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 325593

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 30-015-50010
4. Property Code 329348	5. Property Name POTATO BABY STATE COM	6. Well No. 910H

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	695	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	330	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	22535	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	9420	1018	0
Prod	6.75	5.5	23	22535	1685	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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Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015- 50010	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
329348	POTATO BABY STATE COM	910H

7 OGRID No.	8 Operator Name	9 Elevation
229137	COG OPERATING LLC	3073.57'

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	695'	WEST	EDDY

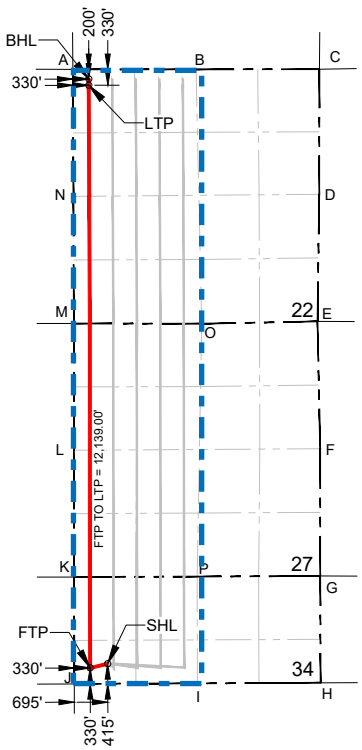
11 Bottom Hole Location If Different From Surface

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	330'	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=619523.43 LAT.= 32.00112657° N
Y=364240.54 LONG.= -104.08110822° W
415' FSL, 695' FWL - SECTION 34

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=619158.77 LAT.= 32.00089053° N
Y=364153.83 LONG.= -104.08228523° W
330' FSL, 330' FWL - SECTION 34

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=619130.97 LAT.= 32.03426031° N
Y=376292.77 LONG.= -104.08228394° W
330' FNL, 330' FWL - SECTION 22

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=619130.43 LAT.= 32.03461768° N
Y=376422.77 LONG.= -104.08228472° W
200' FNL, 330' 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 — Signature — 9/16/2022 — 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. HORICA — NEW MEXICO — 25490 — PROFESSIONAL SURVEYOR

Certificate Number

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

Form APD Conditions

Permit 325593

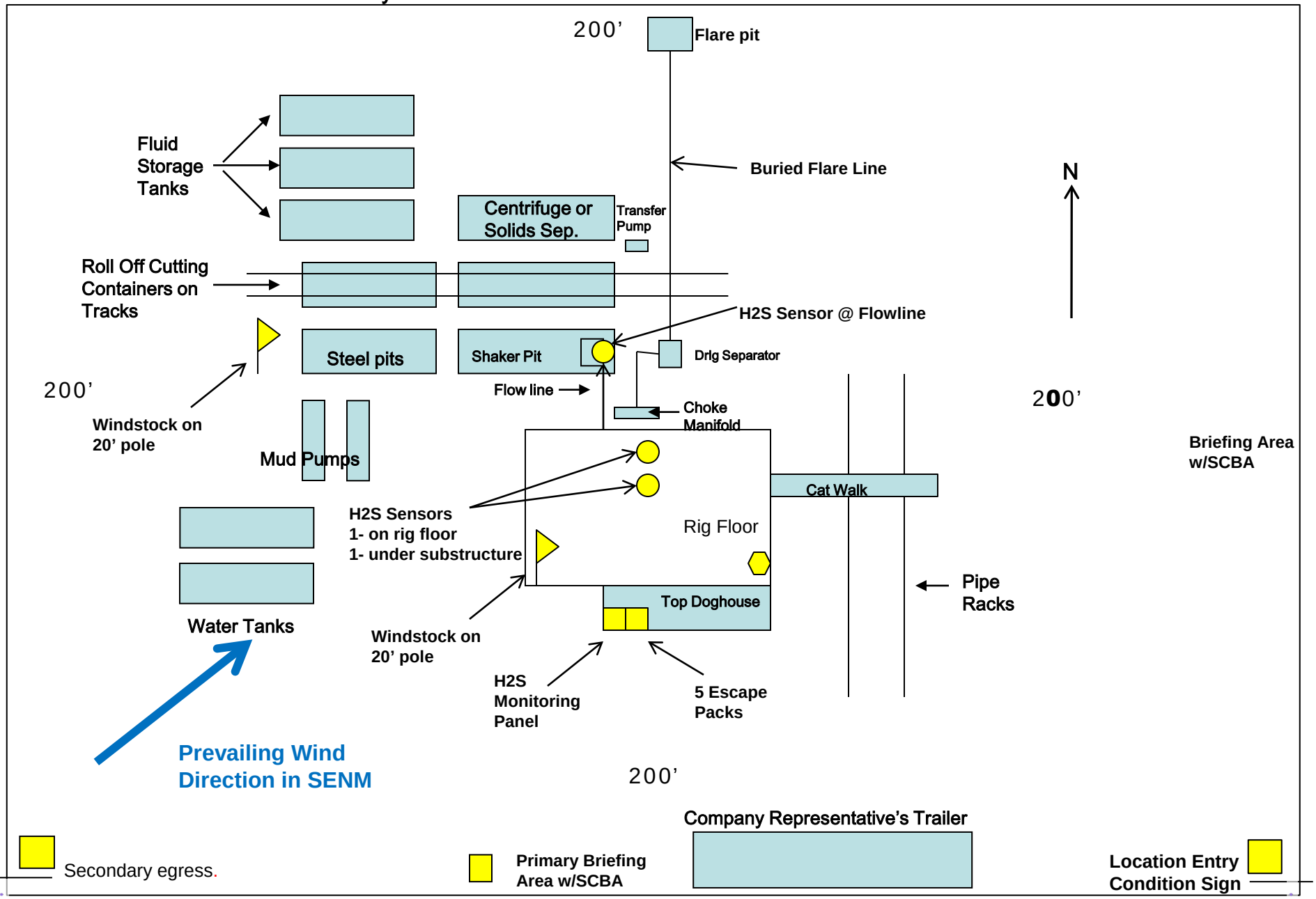
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	30-015-50010
	Well: POTATO BABY STATE COM #910H

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

COG Operating LLC
H_2S Equipment Schematic
Terrain: Shinnery sand hills.

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



COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

a. The hazards and characteristics of hydrogen sulfide (H_2S).
b. The proper use and maintenance of personal protective equipment and life support systems.
c. The proper use of H_2S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
d. The proper techniques for first aid and rescue procedures.

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

a. The effects of H2S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
c. The contents and requirements of the H_2S Drilling Operations Plan and the Public Protection Plan.

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

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

Note: All H_2S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H2S. If H2S greater than 100 ppm is encountered in the gas stream we will shut in and install H2S equipment.

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

b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.

c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.

d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.

e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.

f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.

g. Communication:
Company vehicles equipped with cellular telephone.

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

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

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

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

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

EMERGENCY RESPONSE NUMBERS

	OFFICE
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

NATURAL GAS MANAGEMENT PLAN

This Natural Gas Management Plan must be submitted with each Application for Permit to Drill (APD) for a new or recompleted well.

Section 1 – Plan Description
Effective May 25, 2021

I. Operator: COG Operating LLC **OGRID: 229137** **Date: 09/06/2022**

II. Type: ☒ Original ☐ Amendment due to ☐ 19.15.27.9.D(6)(a) NMAC ☐ 19.15.27.9.D(6)(b) NMAC ☐ Other.

If Other, please describe: _____

III. Well(s): Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Potato Baby State Com 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 910H

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#	9,420’	1,018	0’
Production	6-3/4”	5-1/2”	23#	22,535’	1,685	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 ~9,420’ 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 ~22,535’ 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 #910H

OWB
PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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	9,938.9	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
9,938.9	22,534.7	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	9,423.5	21,903.7	696.8	564.4	5.265	CC, ES, SF
BOO RADLEY COM #702H - OWB - AWP						Out of range
BOO RADLEY COM #703H - OWB - AWP						Out of range
HONEY GRAHAM STATE PROJECT (ATLAS 2628)						
GRAHAM NASH STATE COM #6H - LAT01 - AWP-LAT1						Out of range
GRAHAM NASH STATE COM #6H - OWB-PILOT HOLE						Out of range
KRAKEN ST COM PROJECT						
KRAKEN ST COM #701H - OWB - PWP1	22,534.7	25,252.5	1,218.5	1,004.8	5.702	CC, ES, SF
KRAKEN ST COM #702H - OWB - PWP1						Out of range
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP						Out of range
WETHERBEE #424H - OWB - AWP						Out of range
WETHERBEE D ALLOCATION #408H - OWB - AWP						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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 #6H - OWB - AWP						Out of range
GRAHAM NASH STATE COM #5H - OWB - AWP	7,901.2	7,915.5	1,058.3	1,033.6	42.841	CC, ES
GRAHAM NASH STATE COM #5H - OWB - AWP	7,980.0	7,944.5	1,060.6	1,035.9	42.821	SF
POTATO BABY STATE COM #704H - OWB - AWP	1,021.4	1,024.0	681.4	674.3	94.957	CC, ES
POTATO BABY STATE COM #704H - OWB - AWP	4,500.0	4,351.0	1,314.6	1,287.6	48.700	SF
POTATO BABY STATE COM #705H - OWB - AWP	1,562.4	1,578.6	628.0	620.2	79.910	CC, ES
POTATO BABY STATE COM #705H - OWB - AWP	9,595.0	9,523.0	1,085.7	1,058.0	39.296	SF
POTATO BABY STATE COM #706H - OWB - AWP	9,421.9	9,565.3	365.6	335.0	11.950	CC, ES
POTATO BABY STATE COM #706H - OWB - AWP	22,534.7	21,821.0	929.5	732.3	4.712	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1						Out of range
POTATO BABY STATE COM #906H - OWB - PWP0.1	1,500.0	1,498.9	120.2	111.3	13.533	CC, ES
POTATO BABY STATE COM #906H - OWB - PWP0.1	1,600.0	1,594.8	123.5	114.2	13.353	SF
POTATO BABY STATE COM #907H - OWB - PWP0.1	1,500.0	1,499.1	90.0	81.1	10.137	CC, ES
POTATO BABY STATE COM #907H - OWB - PWP0.1	1,520.0	1,518.5	90.1	81.2	10.069	SF
POTATO BABY STATE COM #908H - OWB - PWP0.1	1,500.0	1,499.4	60.2	51.3	6.778	CC, ES
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,534.7	22,566.5	980.4	790.1	5.152	SF
POTATO BABY STATE COM #909H - OWB - PWP0.1	1,500.0	1,499.5	30.0	21.1	3.380	CC, ES
POTATO BABY STATE COM #909H - OWB - PWP0.1	22,534.7	22,330.0	525.7	334.7	2.753	SF
SRO STATE #53H - ST01 - AWP						Out of range
SRO STATE COM #63H - OWB - AWP						Out of range
SRO STATE COM #64H - OWB - AWP						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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	22,534.7	10,032.0				Out of Range @TD
BOO RADLEY COM #702H - OWB - AWP	22,534.7	9,741.0				Out of Range @TD
BOO RADLEY COM #703H - OWB - AWP	22,534.7	9,634.1				Out of Range @TD
HONEY GRAHAM STATE PROJECT (ATLAS 2628)						
GRAHAM NASH STATE COM #6H - LAT01 - AWP-LAT1	22,534.7	14,299.0				Out of Range @TD
GRAHAM NASH STATE COM #6H - OWB-PILOT HOLE	22,534.7	10,400.0				Out of Range @TD
KRAKEN ST COM PROJECT						
KRAKEN ST COM #701H - OWB - PWP1	22,534.7	25,252.5	1,218.5	1,004.8	5.702	CC, ES, SF
KRAKEN ST COM #702H - OWB - PWP1	22,534.7	25,286.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #1 - OWB - SWD	22,534.7	10,525.4				Out of Range @TD
WETHERBEE #401H - OWB - AWP	22,534.7	9,007.0				Out of Range @TD
WETHERBEE #424H - OWB - AWP	22,534.7	15,475.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	22,534.7	7,562.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
DIAMONDBACK 22 STATE COM #6H - OWB - AWP	22,534.7	8,261.0				Out of Range @TD
GRAHAM NASH STATE COM #5H - OWB - AWP	22,534.7	14,810.0				Out of Range @TD
POTATO BABY STATE COM #704H - OWB - AWP	22,534.7	21,915.0				Out of Range @TD
POTATO BABY STATE COM #705H - OWB - AWP	22,534.7	21,737.0				Out of Range @TD
POTATO BABY STATE COM #706H - OWB - AWP	22,534.7	21,821.0	929.5	732.3	4.712	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	22,534.7	22,170.0				Out of Range @TD
POTATO BABY STATE COM #906H - OWB - PWP0.1	22,534.7	22,723.5				Out of Range @TD
POTATO BABY STATE COM #907H - OWB - PWP0.1	22,534.7	22,444.7				Out of Range @TD
POTATO BABY STATE COM #908H - OWB - PWP0.1	22,534.7	22,566.5	980.4	790.1	5.152	SF
POTATO BABY STATE COM #909H - OWB - PWP0.1	22,534.7	22,330.0	525.7	334.7	2.753	SF
SRO STATE #53H - ST01 - AWP	22,534.7	12,667.0				Out of Range @TD
SRO STATE COM #63H - OWB - AWP	22,534.7	15,676.0				Out of Range @TD
SRO STATE COM #64H - OWB - AWP	22,534.7	16,852.0				Out of Range @TD

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

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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
8,360.0	8,341.2	21,899.3	9,319.0	19.3	113.4	-88.30	-66.0	-1,061.1	1,271.5	1,151.2	120.27	10.572	
8,400.0	8,381.2	21,899.5	9,319.0	19.3	113.4	-88.31	-66.2	-1,061.1	1,238.2	1,117.6	120.63	10.264	
8,455.0	8,436.2	21,899.7	9,319.0	19.3	113.4	-88.33	-66.4	-1,061.1	1,193.1	1,072.0	121.16	9.848	
8,500.0	8,481.2	21,899.9	9,319.0	19.3	113.4	-88.34	-66.6	-1,061.2	1,156.9	1,035.3	121.61	9.513	
8,550.0	8,531.2	21,900.0	9,319.0	19.4	113.4	-88.36	-66.8	-1,061.2	1,117.4	995.2	122.15	9.148	
8,600.0	8,581.2	21,900.2	9,319.0	19.4	113.4	-88.38	-67.0	-1,061.2	1,078.8	956.0	122.71	8.791	
8,645.0	8,626.2	21,900.4	9,319.0	19.4	113.4	-88.39	-67.1	-1,061.2	1,044.8	921.6	123.25	8.477	
8,700.0	8,681.2	21,900.6	9,319.0	19.4	113.4	-88.41	-67.4	-1,061.2	1,004.5	880.6	123.94	8.105	
8,740.0	8,721.2	21,900.8	9,319.0	19.4	113.4	-88.42	-67.5	-1,061.2	976.1	851.6	124.46	7.842	
8,800.0	8,781.2	21,901.0	9,319.0	19.5	113.4	-88.44	-67.7	-1,061.2	935.0	809.8	125.28	7.463	
8,835.0	8,816.2	21,901.2	9,319.0	19.5	113.4	-88.45	-67.9	-1,061.2	912.1	786.3	125.78	7.251	
8,900.0	8,881.2	21,901.4	9,319.0	19.5	113.4	-88.47	-68.1	-1,061.2	871.5	744.8	126.73	6.877	
8,930.0	8,911.2	21,901.5	9,319.0	19.5	113.4	-88.48	-68.3	-1,061.2	853.9	726.7	127.18	6.714	
9,000.0	8,981.2	21,901.8	9,319.0	19.6	113.4	-88.51	-68.5	-1,061.2	815.4	687.2	128.24	6.359	
9,025.0	9,006.2	21,901.9	9,319.0	19.6	113.4	-88.51	-68.6	-1,061.2	802.7	674.1	128.61	6.241	
9,100.0	9,081.2	21,902.2	9,319.0	19.6	113.4	-88.54	-68.9	-1,061.2	768.2	638.5	129.70	5.923	
9,120.0	9,101.2	21,902.3	9,319.0	19.6	113.4	-88.55	-69.0	-1,061.2	760.0	630.1	129.98	5.847	
9,200.0	9,181.2	21,902.6	9,319.0	19.7	113.4	-88.57	-69.4	-1,061.2	731.8	600.8	130.98	5.587	
9,215.0	9,196.2	21,903.0	9,319.0	19.7	113.4	-88.60	-69.7	-1,061.2	727.3	596.2	131.15	5.546	
9,300.0	9,281.2	21,903.1	9,319.0	19.7	113.4	-88.61	-69.8	-1,061.2	707.7	575.7	131.90	5.365	
9,310.0	9,291.2	21,903.1	9,319.0	19.7	113.4	-88.61	-69.8	-1,061.2	706.0	574.0	131.97	5.350	
9,400.0	9,381.2	21,903.6	9,319.0	19.7	113.4	-88.65	-70.3	-1,061.2	697.2	564.9	132.33	5.269	
9,405.0	9,386.2	21,903.6	9,319.0	19.8	113.4	-88.65	-70.3	-1,061.2	697.0	564.7	132.33	5.267	
9,423.5	9,404.7	21,903.7	9,319.0	19.8	113.4	-88.66	-70.4	-1,061.2	696.8	564.4	132.34	5.265	CC, ES, SF
9,500.0	9,481.2	21,904.1	9,319.0	19.8	113.4	-88.69	-70.8	-1,061.3	701.0	568.8	132.19	5.303	
9,595.0	9,576.2	21,904.6	9,319.0	19.8	113.4	-88.74	-71.3	-1,061.3	717.6	586.0	131.59	5.453	
9,600.0	9,581.2	21,904.6	9,319.0	19.8	113.4	-88.74	-71.4	-1,061.3	718.8	587.2	131.55	5.464	
9,690.0	9,671.2	21,905.1	9,319.0	19.9	113.4	-88.78	-71.8	-1,061.3	746.0	615.3	130.67	5.709	
9,700.0	9,681.2	21,905.2	9,319.0	19.9	113.4	-88.78	-71.9	-1,061.3	749.6	619.1	130.56	5.741	
9,785.0	9,766.2	21,905.6	9,319.0	19.9	113.4	-88.82	-72.4	-1,061.3	785.0	655.4	129.61	6.057	
9,800.0	9,781.2	21,905.7	9,319.0	19.9	113.4	-88.83	-72.4	-1,061.3	792.0	662.5	129.43	6.119	
9,880.0	9,861.2	21,906.2	9,319.0	20.0	113.4	-88.86	-72.9	-1,061.3	833.0	704.5	128.52	6.481	
9,900.0	9,881.2	21,906.3	9,319.0	20.0	113.4	-88.87	-73.0	-1,061.3	844.1	715.8	128.31	6.579	
9,938.9	9,920.0	21,906.5	9,319.0	20.0	113.4	-88.89	-73.2	-1,061.3	866.6	738.8	127.89	6.777	
9,950.0	9,931.2	21,906.4	9,319.0	20.0	113.4	-87.92	-73.1	-1,061.3	873.3	745.4	127.89	6.829	
9,975.0	9,956.2	21,905.2	9,319.0	20.0	113.4	-85.90	-72.0	-1,061.3	888.6	760.9	127.62	6.963	
10,000.0	9,981.1	21,902.7	9,319.0	20.0	113.4	-83.70	-69.4	-1,061.2	904.2	776.9	127.35	7.100	
10,050.0	10,030.5	21,895.1	9,319.0	20.0	113.3	-78.95	-61.9	-1,061.0	936.4	809.5	126.83	7.383	
10,070.0	10,050.0	21,890.8	9,319.0	20.0	113.3	-76.92	-57.5	-1,060.9	949.5	822.8	126.62	7.498	
10,100.0	10,079.1	21,883.0	9,318.9	20.0	113.2	-73.77	-49.7	-1,060.8	969.3	843.0	126.31	7.674	
10,150.0	10,126.4	21,866.4	9,318.9	20.0	113.1	-68.39	-33.2	-1,060.4	1,002.6	876.8	125.81	7.969	
10,165.0	10,140.4	21,860.6	9,318.9	20.0	113.0	-66.77	-27.3	-1,060.2	1,012.6	886.9	125.66	8.058	
10,200.0	10,172.2	21,845.5	9,318.9	20.1	112.9	-63.03	-12.2	-1,059.9	1,035.7	910.4	125.32	8.264	
10,250.0	10,216.1	21,820.3	9,318.9	20.1	112.7	-57.91	13.0	-1,059.3	1,068.2	943.4	124.85	8.556	
10,260.0	10,224.6	21,814.8	9,318.9	20.1	112.7	-56.92	18.5	-1,059.1	1,074.6	949.9	124.75	8.614	
10,300.0	10,257.7	21,796.2	9,318.9	20.1	112.5	-53.40	37.1	-1,058.7	1,099.7	975.3	124.45	8.837	
10,350.0	10,296.8	21,772.8	9,318.8	20.1	112.3	-49.49	60.5	-1,058.3	1,130.0	1,005.9	124.13	9.104	
10,355.0	10,300.5	21,770.3	9,318.8	20.1	112.3	-49.12	63.0	-1,058.2	1,132.9	1,008.8	124.09	9.130	
10,400.0	10,333.0	21,747.1	9,318.6	20.1	112.1	-46.03	86.1	-1,058.0	1,158.7	1,034.9	123.81	9.358	
10,450.0	10,366.0	21,723.7	9,318.3	20.2	111.9	-43.14	109.5	-1,057.8	1,185.5	1,062.0	123.56	9.594	
10,500.0	10,395.7	21,670.4	9,317.7	20.2	111.5	-40.09	162.8	-1,057.6	1,210.0	1,087.0	123.02	9.836	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,545.0	10,419.3	21,619.3	9,317.4	20.2	111.1	-37.84	214.0	-1,057.1	1,229.3	1,106.8	122.52	10.034	
10,550.0	10,421.7	21,614.6	9,317.4	20.2	111.0	-37.63	218.6	-1,057.0	1,231.3	1,108.8	122.48	10.053	
10,600.0	10,443.9	21,566.9	9,317.4	20.3	110.6	-35.82	266.3	-1,056.3	1,249.3	1,127.2	122.07	10.234	
10,640.0	10,458.8	21,528.7	9,317.5	20.3	110.3	-34.67	304.6	-1,055.7	1,261.3	1,139.5	121.77	10.358	
10,650.0	10,462.2	21,512.8	9,317.6	20.3	110.2	-34.37	320.5	-1,055.4	1,264.0	1,142.3	121.62	10.393	
10,700.0	10,476.3	21,431.7	9,318.4	20.4	109.5	-33.09	401.4	-1,052.4	1,274.4	1,153.5	120.82	10.547	
10,735.0	10,483.6	21,398.2	9,318.9	20.4	109.3	-32.60	434.9	-1,050.7	1,279.1	1,158.5	120.60	10.606	
10,750.0	10,486.1	21,384.1	9,319.1	20.4	109.2	-32.43	449.0	-1,049.9	1,280.6	1,160.1	120.51	10.627	
10,800.0	10,491.7	21,336.0	9,319.8	20.5	108.8	-32.08	497.0	-1,047.5	1,283.3	1,163.1	120.21	10.676	
10,830.0	10,492.9	21,307.1	9,320.3	20.5	108.5	-32.02	525.9	-1,046.2	1,283.2	1,163.2	120.03	10.691	
10,837.2	10,493.0	21,300.0	9,320.4	20.6	108.5	-32.03	533.0	-1,046.0	1,283.0	1,163.0	119.99	10.693	
10,900.0	10,493.2	21,241.0	9,322.1	20.7	108.0	-32.00	591.9	-1,044.5	1,280.7	1,161.1	119.64	10.705	
10,925.0	10,493.2	21,216.3	9,322.9	20.7	107.8	-32.00	616.6	-1,044.1	1,279.9	1,160.4	119.49	10.711	
11,000.0	10,493.5	21,147.0	9,325.1	20.8	107.2	-32.02	685.9	-1,043.6	1,277.6	1,158.5	119.12	10.725	
11,020.0	10,493.5	21,147.0	9,325.1	20.9	107.2	-32.02	685.9	-1,043.6	1,277.2	1,157.9	119.26	10.709	
11,098.3	10,493.7	21,085.6	9,326.6	21.1	106.7	-32.07	747.2	-1,044.3	1,276.3	1,157.2	119.02	10.723	
11,100.0	10,493.7	21,084.6	9,326.6	21.1	106.7	-32.08	748.3	-1,044.3	1,276.3	1,157.2	119.02	10.723	
11,115.0	10,493.8	21,074.9	9,326.8	21.1	106.6	-32.09	758.0	-1,044.6	1,276.3	1,157.3	119.00	10.725	
11,200.0	10,494.0	20,999.5	9,327.7	21.3	106.0	-32.21	833.3	-1,047.5	1,277.3	1,158.6	118.66	10.764	
11,210.0	10,494.1	20,988.8	9,327.8	21.3	105.9	-32.23	843.9	-1,047.9	1,277.4	1,158.8	118.60	10.771	
11,300.0	10,494.3	20,897.4	9,328.6	21.6	105.2	-32.35	935.3	-1,050.9	1,278.4	1,160.2	118.14	10.821	
11,305.0	10,494.3	20,892.5	9,328.7	21.6	105.1	-32.35	940.3	-1,051.1	1,278.4	1,160.3	118.11	10.824	
11,400.0	10,494.6	20,797.3	9,329.0	21.8	104.4	-32.43	1,035.4	-1,053.2	1,279.4	1,161.8	117.65	10.875	
11,495.0	10,494.9	20,698.1	9,329.2	22.1	103.5	-32.49	1,134.6	-1,055.1	1,280.3	1,163.2	117.16	10.928	
11,500.0	10,494.9	20,692.8	9,329.2	22.1	103.5	-32.49	1,139.9	-1,055.2	1,280.4	1,163.2	117.13	10.931	
11,590.0	10,495.1	20,594.4	9,329.4	22.4	102.7	-32.51	1,238.3	-1,055.9	1,280.7	1,164.1	116.63	10.981	
11,600.0	10,495.2	20,583.4	9,329.4	22.5	102.6	-32.51	1,249.3	-1,055.9	1,280.7	1,164.2	116.58	10.986	
11,616.3	10,495.2	20,567.5	9,329.4	22.5	102.5	-32.50	1,265.2	-1,055.9	1,280.7	1,164.2	116.51	10.992	
11,685.0	10,495.4	20,503.3	9,329.3	22.8	102.0	-32.49	1,329.3	-1,055.9	1,280.8	1,164.6	116.26	11.017	
11,700.0	10,495.4	20,491.8	9,329.3	22.8	101.9	-32.49	1,340.9	-1,055.9	1,280.9	1,164.7	116.24	11.020	
11,780.0	10,495.7	20,375.9	9,330.1	23.1	100.9	-32.46	1,456.8	-1,055.2	1,280.2	1,164.8	115.47	11.088	
11,800.0	10,495.7	20,349.4	9,330.6	23.2	100.7	-32.45	1,483.3	-1,054.6	1,279.7	1,164.5	115.30	11.100	
11,875.0	10,495.9	20,260.3	9,332.7	23.5	100.0	-32.39	1,572.3	-1,052.1	1,277.2	1,162.4	114.80	11.126	
11,900.0	10,496.0	20,234.5	9,333.4	23.6	99.8	-32.38	1,598.1	-1,051.3	1,276.2	1,161.5	114.68	11.128	
11,970.0	10,496.2	20,165.6	9,335.5	23.8	99.2	-32.34	1,666.9	-1,049.4	1,273.5	1,159.1	114.43	11.129	
12,000.0	10,496.3	20,137.3	9,336.3	24.0	99.0	-32.33	1,695.2	-1,048.7	1,272.4	1,158.0	114.34	11.128	
12,065.0	10,496.5	20,075.3	9,337.9	24.2	98.5	-32.29	1,757.1	-1,047.0	1,270.1	1,155.9	114.15	11.127	
12,100.0	10,496.6	20,041.7	9,338.7	24.4	98.2	-32.28	1,790.8	-1,046.1	1,268.9	1,154.9	114.04	11.127	
12,160.0	10,496.7	19,990.5	9,339.9	24.6	97.8	-32.25	1,841.9	-1,044.9	1,267.1	1,153.1	113.96	11.119	
12,200.0	10,496.8	19,960.1	9,340.4	24.8	97.6	-32.24	1,872.3	-1,044.5	1,266.2	1,152.2	113.95	11.112	
12,255.0	10,497.0	19,919.0	9,340.9	25.1	97.3	-32.23	1,913.4	-1,044.1	1,265.5	1,151.5	113.94	11.106	
12,264.5	10,497.0	19,919.0	9,340.9	25.1	97.3	-32.23	1,913.4	-1,044.1	1,265.4	1,151.4	114.03	11.098	
12,300.0	10,497.1	19,894.6	9,341.0	25.3	97.1	-32.23	1,937.8	-1,044.2	1,265.5	1,151.4	114.04	11.097	
12,350.0	10,497.3	19,868.0	9,340.7	25.5	96.8	-32.24	1,964.4	-1,044.6	1,266.4	1,152.2	114.13	11.096	
12,400.0	10,497.4	19,824.0	9,339.5	25.7	96.5	-32.26	2,008.3	-1,046.1	1,268.4	1,154.4	114.04	11.123	
12,445.0	10,497.5	19,807.1	9,338.9	26.0	96.3	-32.27	2,025.2	-1,046.9	1,270.6	1,156.4	114.16	11.130	
12,500.0	10,497.7	19,731.0	9,336.5	26.2	95.7	-32.30	2,101.3	-1,049.4	1,273.1	1,159.3	113.81	11.186	
12,540.0	10,497.8	19,692.1	9,335.4	26.4	95.4	-32.30	2,140.1	-1,050.3	1,274.6	1,160.9	113.71	11.209	
12,600.0	10,498.0	19,634.6	9,333.5	26.7	94.9	-32.29	2,197.6	-1,051.4	1,276.9	1,163.4	113.56	11.244	
12,635.0	10,498.1	19,581.1	9,331.9	26.9	94.5	-32.27	2,251.1	-1,052.1	1,278.1	1,164.8	113.29	11.282	
12,700.0	10,498.3	19,506.6	9,330.9	27.2	93.9	-32.26	2,325.6	-1,052.8	1,279.3	1,166.2	113.02	11.319	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
12,730.0	10,498.3	19,480.3	9,330.6	27.4	93.7	-32.27	2,351.8	-1,053.3	1,279.9	1,166.9	112.98	11.328	
12,800.0	10,498.5	19,420.9	9,330.1	27.7	93.2	-32.32	2,411.2	-1,055.1	1,281.6	1,168.7	112.91	11.350	
12,825.0	10,498.6	19,400.6	9,329.9	27.9	93.0	-32.34	2,431.5	-1,055.9	1,282.4	1,169.5	112.90	11.358	
12,900.0	10,498.8	19,332.2	9,329.0	28.3	92.5	-32.43	2,499.8	-1,059.2	1,285.2	1,172.4	112.79	11.394	
12,920.0	10,498.9	19,304.1	9,328.8	28.4	92.3	-32.48	2,527.9	-1,060.7	1,285.9	1,173.2	112.68	11.412	
13,000.0	10,499.1	19,183.9	9,329.9	28.8	91.3	-32.69	2,647.9	-1,066.1	1,287.3	1,175.2	112.10	11.484	
13,015.0	10,499.1	19,160.3	9,330.4	28.9	91.1	-32.71	2,671.5	-1,066.6	1,287.3	1,175.3	111.97	11.497	
13,100.0	10,499.4	19,045.4	9,334.6	29.4	90.2	-32.85	2,786.3	-1,068.1	1,285.2	1,173.8	111.42	11.535	
13,110.0	10,499.4	19,038.4	9,334.9	29.4	90.1	-32.86	2,793.3	-1,068.2	1,284.9	1,173.5	111.44	11.530	
13,200.0	10,499.7	18,970.0	9,337.0	29.9	89.6	-32.95	2,861.7	-1,069.3	1,283.5	1,171.9	111.55	11.506	
13,205.0	10,499.7	18,970.0	9,337.0	30.0	89.6	-32.95	2,861.7	-1,069.3	1,283.4	1,171.8	111.60	11.500	
13,229.9	10,499.7	18,952.9	9,337.3	30.1	89.4	-32.96	2,878.7	-1,069.7	1,283.4	1,171.7	111.65	11.495	
13,300.0	10,499.9	18,899.3	9,337.8	30.5	89.0	-33.02	2,932.4	-1,071.0	1,283.8	1,172.1	111.70	11.494	
13,395.0	10,500.2	18,812.9	9,337.5	31.0	88.3	-33.08	3,018.7	-1,073.2	1,285.5	1,173.9	111.62	11.517	
13,400.0	10,500.2	18,808.0	9,337.4	31.1	88.3	-33.08	3,023.6	-1,073.3	1,285.6	1,174.0	111.61	11.519	
13,490.0	10,500.5	18,723.3	9,336.1	31.6	87.6	-33.08	3,108.2	-1,074.4	1,287.5	1,176.0	111.50	11.548	
13,500.0	10,500.5	18,714.1	9,335.9	31.7	87.5	-33.07	3,117.4	-1,074.4	1,287.8	1,176.3	111.49	11.551	
13,585.0	10,500.8	18,640.2	9,333.6	32.2	86.9	-33.00	3,191.3	-1,074.4	1,290.2	1,178.7	111.43	11.578	
13,600.0	10,500.8	18,627.6	9,333.1	32.2	86.8	-32.99	3,203.9	-1,074.5	1,290.7	1,179.2	111.43	11.583	
13,680.0	10,501.0	18,547.0	9,329.8	32.7	86.2	-32.91	3,284.4	-1,074.8	1,293.6	1,182.4	111.27	11.626	
13,700.0	10,501.1	18,522.9	9,328.9	32.8	86.0	-32.89	3,308.6	-1,074.8	1,294.3	1,183.1	111.19	11.640	
13,775.0	10,501.3	18,439.7	9,326.1	33.3	85.3	-32.79	3,391.7	-1,074.4	1,296.3	1,185.4	110.98	11.681	
13,800.0	10,501.4	18,413.1	9,325.2	33.5	85.1	-32.76	3,418.3	-1,074.2	1,296.9	1,186.0	110.91	11.693	
13,870.0	10,501.6	18,254.6	9,327.0	33.9	83.9	-32.64	3,576.7	-1,070.5	1,294.6	1,184.9	109.70	11.801	
13,900.0	10,501.6	18,226.9	9,327.8	34.1	83.6	-32.62	3,604.3	-1,069.5	1,293.3	1,183.6	109.69	11.790	
13,965.0	10,501.8	18,172.3	9,329.2	34.5	83.2	-32.57	3,658.9	-1,067.5	1,290.7	1,181.0	109.73	11.762	
14,000.0	10,501.9	18,143.8	9,329.6	34.7	83.0	-32.54	3,687.3	-1,066.5	1,289.6	1,179.8	109.77	11.748	
14,060.0	10,502.1	18,093.3	9,330.2	35.1	82.6	-32.48	3,737.8	-1,064.8	1,288.0	1,178.2	109.81	11.730	
14,100.0	10,502.2	18,058.0	9,330.3	35.3	82.3	-32.43	3,773.1	-1,063.5	1,287.2	1,177.4	109.81	11.722	
14,155.0	10,502.4	18,007.6	9,330.2	35.7	81.9	-32.35	3,823.5	-1,061.7	1,286.3	1,176.5	109.78	11.717	
14,200.0	10,502.5	17,960.8	9,329.9	35.9	81.6	-32.26	3,870.3	-1,059.8	1,285.6	1,175.9	109.69	11.720	
14,250.0	10,502.6	17,862.4	9,330.2	36.3	80.8	-32.06	3,968.5	-1,054.6	1,284.4	1,175.5	108.92	11.792	
14,300.0	10,502.8	17,790.5	9,333.6	36.6	80.3	-31.98	4,040.2	-1,050.7	1,280.9	1,172.4	108.51	11.804	
14,345.0	10,502.9	17,748.1	9,336.2	36.9	79.9	-31.97	4,082.5	-1,049.1	1,277.7	1,169.2	108.50	11.777	
14,400.0	10,503.1	17,693.8	9,339.6	37.2	79.5	-31.98	4,136.6	-1,047.4	1,273.9	1,165.5	108.45	11.747	
14,440.0	10,503.2	17,653.8	9,342.0	37.5	79.2	-31.98	4,176.6	-1,045.9	1,271.2	1,162.8	108.40	11.727	
14,500.0	10,503.3	17,592.0	9,345.6	37.9	78.7	-31.95	4,238.3	-1,043.3	1,267.0	1,158.7	108.30	11.699	
14,535.0	10,503.4	17,555.6	9,347.7	38.1	78.5	-31.94	4,274.5	-1,041.7	1,264.5	1,156.3	108.24	11.682	
14,600.0	10,503.6	17,498.9	9,350.8	38.5	78.0	-31.91	4,331.1	-1,039.2	1,260.0	1,151.7	108.30	11.634	
14,630.0	10,503.7	17,473.6	9,352.0	38.7	77.8	-31.89	4,356.3	-1,038.1	1,258.1	1,149.8	108.35	11.612	
14,700.0	10,503.9	17,424.9	9,354.1	39.2	77.5	-31.85	4,404.9	-1,036.1	1,254.3	1,145.7	108.60	11.550	
14,725.0	10,504.0	17,410.0	9,354.5	39.3	77.3	-31.85	4,419.9	-1,035.7	1,253.3	1,144.5	108.72	11.527	
14,800.0	10,504.2	17,356.0	9,355.6	39.8	76.9	-31.84	4,473.8	-1,035.1	1,251.5	1,142.5	108.94	11.488	
14,820.0	10,504.2	17,351.2	9,355.7	40.0	76.9	-31.84	4,478.7	-1,035.1	1,251.2	1,142.1	109.11	11.467	
14,900.0	10,504.5	17,271.6	9,356.2	40.5	76.3	-31.82	4,558.2	-1,034.5	1,250.6	1,141.6	109.04	11.469	
14,915.0	10,504.5	17,260.0	9,356.2	40.6	76.2	-31.81	4,569.8	-1,034.3	1,250.5	1,141.4	109.07	11.465	
14,920.9	10,504.5	17,260.0	9,356.2	40.6	76.2	-31.81	4,569.8	-1,034.3	1,250.5	1,141.3	109.13	11.458	
15,000.0	10,504.7	17,215.1	9,355.6	41.2	75.8	-31.78	4,614.7	-1,034.2	1,251.4	1,142.0	109.43	11.435	
15,010.0	10,504.8	17,210.0	9,355.5	41.2	75.8	-31.78	4,619.7	-1,034.2	1,251.7	1,142.2	109.47	11.434	
15,100.0	10,505.0	17,163.5	9,353.4	41.8	75.4	-31.76	4,666.2	-1,035.1	1,256.1	1,146.3	109.76	11.443	
15,105.0	10,505.0	17,156.8	9,353.0	41.9	75.4	-31.76	4,672.9	-1,035.4	1,256.4	1,146.7	109.75	11.448	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,200.0	10,505.3	17,039.9	9,348.1	42.5	74.5	-31.76	4,789.6	-1,039.0	1,261.4	1,151.9	109.49	11.521	
15,295.0	10,505.6	16,944.5	9,345.1	43.1	73.7	-31.81	4,885.0	-1,042.4	1,265.9	1,156.5	109.41	11.570	
15,300.0	10,505.6	16,939.3	9,344.9	43.2	73.7	-31.81	4,890.1	-1,042.6	1,266.1	1,156.7	109.41	11.573	
15,390.0	10,505.8	16,847.5	9,343.5	43.8	73.0	-31.97	4,981.8	-1,048.0	1,270.2	1,160.9	109.35	11.617	
15,400.0	10,505.9	16,837.4	9,343.5	43.8	72.9	-32.00	4,991.8	-1,048.8	1,270.7	1,161.3	109.34	11.621	
15,485.0	10,506.1	16,756.6	9,344.0	44.4	72.2	-32.29	5,072.3	-1,056.4	1,274.5	1,165.2	109.36	11.655	
15,500.0	10,506.2	16,743.5	9,344.1	44.5	72.1	-32.34	5,085.3	-1,057.6	1,275.3	1,165.9	109.37	11.660	
15,580.0	10,506.4	16,596.0	9,343.6	45.1	71.0	-32.62	5,232.5	-1,066.0	1,278.8	1,170.1	108.68	11.767	
15,583.7	10,506.4	16,596.0	9,343.6	45.1	71.0	-32.62	5,232.5	-1,066.0	1,278.8	1,170.1	108.72	11.763	
15,600.0	10,506.4	16,596.0	9,343.6	45.2	71.0	-32.62	5,232.5	-1,066.0	1,278.9	1,170.0	108.89	11.745	
15,675.0	10,506.6	16,534.9	9,343.3	45.7	70.5	-32.62	5,293.6	-1,066.4	1,279.7	1,170.7	108.99	11.741	
15,700.0	10,506.7	16,519.6	9,343.0	45.9	70.4	-32.61	5,308.9	-1,066.6	1,280.3	1,171.3	109.07	11.739	
15,770.0	10,506.9	16,460.7	9,340.9	46.4	70.0	-32.59	5,367.8	-1,067.5	1,283.0	1,173.9	109.13	11.757	
15,800.0	10,507.0	16,430.1	9,339.8	46.6	69.7	-32.58	5,398.3	-1,068.0	1,284.2	1,175.1	109.10	11.771	
15,865.0	10,507.2	16,306.0	9,337.9	47.0	68.8	-32.56	5,522.4	-1,069.2	1,285.7	1,177.2	108.44	11.856	
15,900.0	10,507.3	16,272.2	9,338.2	47.3	68.5	-32.56	5,556.2	-1,069.3	1,285.5	1,177.0	108.44	11.854	
15,960.0	10,507.5	16,214.1	9,338.6	47.7	68.1	-32.56	5,614.2	-1,069.3	1,285.2	1,176.7	108.43	11.852	
16,000.0	10,507.6	16,175.6	9,338.8	48.0	67.8	-32.56	5,652.8	-1,069.2	1,285.0	1,176.6	108.43	11.851	
16,055.0	10,507.7	16,122.6	9,338.9	48.4	67.4	-32.55	5,705.8	-1,069.0	1,284.9	1,176.5	108.43	11.850	
16,082.4	10,507.8	16,097.1	9,338.9	48.5	67.2	-32.54	5,731.2	-1,068.9	1,284.9	1,176.4	108.44	11.849	
16,100.0	10,507.8	16,080.9	9,338.9	48.7	67.1	-32.53	5,747.5	-1,068.9	1,284.9	1,176.4	108.44	11.848	
16,150.0	10,508.0	16,034.6	9,338.7	49.0	66.7	-32.52	5,793.8	-1,068.7	1,285.0	1,176.5	108.46	11.847	
16,200.0	10,508.1	15,977.9	9,338.6	49.4	66.3	-32.50	5,850.5	-1,068.6	1,285.1	1,176.7	108.36	11.859	
16,245.0	10,508.3	15,913.9	9,338.9	49.7	65.8	-32.48	5,914.5	-1,068.2	1,284.9	1,176.8	108.12	11.884	
16,300.0	10,508.4	15,817.2	9,342.1	50.1	65.1	-32.46	6,011.1	-1,065.9	1,282.4	1,174.8	107.54	11.925	
16,340.0	10,508.5	15,791.5	9,343.0	50.3	64.9	-32.45	6,036.8	-1,065.2	1,280.6	1,172.9	107.73	11.888	
16,400.0	10,508.7	15,742.0	9,343.8	50.8	64.6	-32.41	6,086.2	-1,063.9	1,279.0	1,171.1	107.84	11.859	
16,435.0	10,508.8	15,723.6	9,344.0	51.0	64.4	-32.40	6,104.6	-1,063.5	1,278.3	1,170.2	108.05	11.831	
16,500.0	10,509.0	15,660.7	9,344.4	51.5	64.0	-32.34	6,167.5	-1,062.1	1,277.2	1,169.1	108.05	11.821	
16,530.0	10,509.1	15,619.0	9,344.9	51.7	63.7	-32.31	6,209.2	-1,061.2	1,276.6	1,168.7	107.89	11.833	
16,600.0	10,509.3	15,527.1	9,348.1	52.2	63.0	-32.34	6,301.0	-1,060.3	1,274.2	1,166.7	107.58	11.844	
16,625.0	10,509.3	15,498.4	9,349.4	52.3	62.8	-32.37	6,329.7	-1,060.1	1,273.2	1,165.7	107.53	11.840	
16,700.0	10,509.5	15,435.4	9,352.8	52.9	62.3	-32.43	6,392.6	-1,060.0	1,269.9	1,162.2	107.69	11.792	
16,720.0	10,509.6	15,424.0	9,353.3	53.0	62.3	-32.45	6,404.0	-1,060.1	1,269.3	1,161.5	107.81	11.774	
16,800.0	10,509.8	15,363.0	9,355.2	53.6	61.8	-32.55	6,465.0	-1,061.9	1,268.3	1,160.3	108.05	11.739	
16,815.0	10,509.9	15,356.4	9,355.4	53.7	61.8	-32.57	6,471.5	-1,062.2	1,268.2	1,160.1	108.15	11.726	
16,900.0	10,510.1	15,235.4	9,359.7	54.3	60.9	-32.80	6,592.4	-1,066.1	1,267.5	1,159.8	107.72	11.767	
16,910.0	10,510.1	15,214.2	9,360.9	54.4	60.7	-32.83	6,613.6	-1,066.2	1,267.1	1,159.6	107.56	11.780	
17,000.0	10,510.4	15,134.5	9,365.2	55.0	60.2	-32.90	6,693.1	-1,065.5	1,262.8	1,155.1	107.71	11.724	
17,005.0	10,510.4	15,131.7	9,365.3	55.0	60.1	-32.90	6,695.9	-1,065.5	1,262.6	1,154.9	107.74	11.719	
17,100.0	10,510.7	15,078.0	9,366.2	55.7	59.7	-32.90	6,749.6	-1,065.1	1,261.0	1,152.8	108.25	11.649	
17,100.9	10,510.7	15,078.0	9,366.2	55.7	59.7	-32.90	6,749.6	-1,065.1	1,261.0	1,152.8	108.26	11.648	
17,195.0	10,510.9	15,006.0	9,365.1	56.4	59.2	-32.84	6,821.6	-1,064.5	1,261.9	1,153.4	108.49	11.631	
17,200.0	10,510.9	15,002.2	9,365.0	56.4	59.2	-32.84	6,825.5	-1,064.5	1,262.0	1,153.5	108.50	11.631	
17,290.0	10,511.2	14,901.5	9,362.3	57.1	58.5	-32.70	6,926.1	-1,063.2	1,263.5	1,155.2	108.37	11.660	
17,300.0	10,511.2	14,888.2	9,362.0	57.1	58.4	-32.69	6,939.4	-1,063.0	1,263.6	1,155.3	108.33	11.665	
17,385.0	10,511.5	14,780.5	9,361.2	57.8	57.6	-32.57	7,047.0	-1,060.9	1,263.3	1,155.3	108.06	11.691	
17,400.0	10,511.5	14,766.7	9,361.2	57.9	57.5	-32.56	7,060.8	-1,060.6	1,263.2	1,155.1	108.07	11.688	
17,480.0	10,511.7	14,687.0	9,361.2	58.4	57.0	-32.49	7,140.5	-1,059.3	1,262.6	1,154.5	108.07	11.683	
17,500.0	10,511.8	14,650.7	9,361.5	58.6	56.7	-32.47	7,176.8	-1,058.6	1,262.3	1,154.4	107.87	11.702	
17,575.0	10,512.0	14,534.4	9,365.1	59.1	55.9	-32.41	7,293.0	-1,055.3	1,259.2	1,151.9	107.32	11.733	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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

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
17,600.0	10,512.1	14,508.0	9,366.2	59.3	55.7	-32.39	7,319.4	-1,054.2	1,257.7	1,150.4	107.30	11.722	
17,670.0	10,512.3	14,453.8	9,368.4	59.8	55.4	-32.36	7,373.5	-1,052.2	1,254.1	1,146.6	107.53	11.662	
17,700.0	10,512.4	14,432.4	9,369.0	60.0	55.2	-32.35	7,394.8	-1,051.5	1,252.9	1,145.3	107.66	11.638	
17,765.0	10,512.5	14,386.8	9,370.0	60.5	54.9	-32.32	7,440.5	-1,050.5	1,251.0	1,143.1	107.92	11.592	
17,800.0	10,512.6	14,362.5	9,370.2	60.7	54.8	-32.31	7,464.8	-1,050.0	1,250.4	1,142.4	108.06	11.572	
17,860.0	10,512.8	14,317.0	9,370.2	61.2	54.4	-32.28	7,510.2	-1,049.4	1,250.1	1,141.9	108.24	11.549	
17,861.2	10,512.8	14,317.0	9,370.2	61.2	54.4	-32.28	7,510.2	-1,049.4	1,250.1	1,141.8	108.25	11.548	
17,900.0	10,512.9	14,290.2	9,369.9	61.5	54.3	-32.26	7,537.0	-1,049.2	1,250.3	1,141.9	108.39	11.535	
17,955.0	10,513.1	14,247.6	9,369.2	61.9	54.0	-32.23	7,579.6	-1,049.2	1,251.1	1,142.6	108.53	11.528	
18,000.0	10,513.2	14,212.5	9,368.4	62.2	53.7	-32.21	7,614.7	-1,049.4	1,252.2	1,143.5	108.64	11.526	
18,050.0	10,513.3	14,172.8	9,367.1	62.5	53.5	-32.18	7,654.4	-1,049.5	1,253.7	1,145.0	108.74	11.529	
18,100.0	10,513.5	13,996.0	9,369.5	62.9	52.3	-32.17	7,831.0	-1,048.4	1,253.2	1,146.0	107.24	11.686	
18,145.0	10,513.6	13,959.8	9,371.9	63.2	52.0	-32.21	7,867.0	-1,048.0	1,250.4	1,143.0	107.40	11.643	
18,200.0	10,513.8	13,915.9	9,374.4	63.6	51.7	-32.24	7,910.8	-1,047.3	1,247.4	1,139.8	107.58	11.595	
18,240.0	10,513.9	13,884.2	9,375.9	63.9	51.5	-32.25	7,942.6	-1,046.9	1,245.6	1,137.8	107.72	11.563	
18,300.0	10,514.1	13,848.0	9,377.4	64.4	51.3	-32.26	7,978.7	-1,046.4	1,243.3	1,135.3	108.06	11.506	
18,335.0	10,514.2	13,810.8	9,378.5	64.6	51.1	-32.27	8,015.9	-1,046.0	1,242.2	1,134.2	108.05	11.497	
18,400.0	10,514.3	13,753.0	9,379.4	65.1	50.7	-32.25	8,073.7	-1,045.3	1,241.0	1,132.9	108.17	11.473	
18,424.9	10,514.4	13,753.0	9,379.4	65.3	50.7	-32.25	8,073.7	-1,045.3	1,240.8	1,132.3	108.48	11.438	
18,430.0	10,514.4	13,753.0	9,379.4	65.3	50.7	-32.25	8,073.7	-1,045.3	1,240.8	1,132.3	108.54	11.432	
18,500.0	10,514.6	13,709.6	9,379.0	65.8	50.4	-32.23	8,117.0	-1,045.3	1,241.5	1,132.7	108.84	11.407	
18,525.0	10,514.7	13,697.4	9,378.7	66.0	50.3	-32.23	8,129.3	-1,045.4	1,242.3	1,133.3	108.97	11.400	
18,600.0	10,514.9	13,658.0	9,377.0	66.5	50.0	-32.22	8,168.6	-1,046.5	1,246.1	1,136.8	109.29	11.402	
18,620.0	10,515.0	13,658.0	9,377.0	66.7	50.0	-32.22	8,168.6	-1,046.5	1,247.6	1,138.1	109.44	11.400	
18,700.0	10,515.2	13,594.1	9,373.2	67.3	49.6	-32.26	8,232.3	-1,050.0	1,254.1	1,144.5	109.57	11.446	
18,715.0	10,515.2	13,517.9	9,370.8	67.4	49.1	-32.40	8,308.2	-1,055.4	1,254.9	1,145.7	109.18	11.494	
18,800.0	10,515.5	13,373.0	9,373.9	68.0	48.2	-32.74	8,452.8	-1,063.0	1,255.3	1,146.6	108.71	11.547	
18,804.0	10,515.5	13,373.0	9,373.9	68.0	48.2	-32.74	8,452.8	-1,063.0	1,255.3	1,146.6	108.76	11.542	
18,810.0	10,515.5	13,373.0	9,373.9	68.1	48.2	-32.74	8,452.8	-1,063.0	1,255.3	1,146.5	108.83	11.535	
18,900.0	10,515.7	13,294.6	9,375.5	68.7	47.7	-32.91	8,531.1	-1,066.7	1,256.2	1,147.1	109.04	11.521	
18,905.0	10,515.8	13,290.3	9,375.6	68.8	47.6	-32.92	8,535.4	-1,066.9	1,256.2	1,147.2	109.05	11.520	
19,000.0	10,516.0	13,224.9	9,376.1	69.5	47.2	-33.06	8,600.7	-1,070.5	1,258.7	1,149.3	109.41	11.504	
19,095.0	10,516.3	13,141.2	9,376.3	70.2	46.7	-33.35	8,684.0	-1,078.2	1,263.3	1,153.6	109.62	11.524	
19,100.0	10,516.3	13,134.5	9,376.4	70.2	46.6	-33.37	8,690.7	-1,078.8	1,263.5	1,153.9	109.62	11.526	
19,190.0	10,516.6	13,018.3	9,379.0	70.8	45.9	-33.84	8,806.4	-1,089.9	1,266.7	1,157.1	109.54	11.563	
19,200.0	10,516.6	13,005.6	9,379.4	70.9	45.8	-33.88	8,819.0	-1,091.0	1,266.9	1,157.4	109.54	11.566	
19,285.0	10,516.8	12,957.2	9,380.1	71.5	45.5	-34.05	8,867.3	-1,095.0	1,269.9	1,160.0	109.94	11.551	
19,300.0	10,516.9	12,949.6	9,380.1	71.7	45.5	-34.07	8,874.8	-1,095.6	1,270.8	1,160.8	110.02	11.551	
19,380.0	10,517.1	12,901.0	9,378.6	72.2	45.2	-34.18	8,923.2	-1,100.0	1,276.7	1,166.4	110.31	11.574	
19,400.0	10,517.2	12,901.0	9,378.6	72.4	45.2	-34.18	8,923.2	-1,100.0	1,278.5	1,168.1	110.43	11.578	
19,475.0	10,517.4	12,829.3	9,374.1	72.9	44.7	-34.28	8,994.5	-1,105.8	1,285.9	1,175.4	110.53	11.634	
19,500.0	10,517.4	12,806.0	9,372.4	73.1	44.6	-34.29	9,017.7	-1,107.4	1,288.4	1,177.9	110.57	11.653	
19,570.0	10,517.6	12,749.7	9,367.5	73.6	44.3	-34.29	9,073.6	-1,110.9	1,295.9	1,185.2	110.69	11.707	
19,600.0	10,517.7	12,725.6	9,365.1	73.9	44.1	-34.27	9,097.6	-1,112.2	1,299.3	1,188.6	110.74	11.733	
19,665.0	10,517.9	12,640.8	9,357.0	74.3	43.6	-34.22	9,181.9	-1,116.8	1,306.6	1,195.9	110.73	11.801	
19,700.0	10,518.0	12,596.8	9,353.6	74.6	43.3	-34.23	9,225.6	-1,119.3	1,310.0	1,199.3	110.72	11.831	
19,760.0	10,518.2	12,505.4	9,347.5	75.0	42.8	-34.25	9,316.8	-1,124.6	1,315.5	1,204.9	110.63	11.891	
19,800.0	10,518.3	12,453.0	9,344.5	75.3	42.5	-34.27	9,368.9	-1,127.3	1,318.8	1,208.2	110.60	11.924	
19,950.0	10,518.7	12,187.4	9,339.3	76.4	41.1	-33.90	9,634.3	-1,121.6	1,318.3	1,208.5	109.78	12.008	
20,000.0	10,518.8	12,141.0	9,338.8	76.8	40.9	-33.79	9,680.6	-1,119.2	1,317.3	1,207.4	109.89	11.988	
20,045.0	10,519.0	12,120.9	9,338.3	77.1	40.8	-33.74	9,700.7	-1,118.2	1,316.8	1,206.6	110.21	11.948	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors 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

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
20,075.0	10,519.1	12,097.8	9,337.7	77.4	40.6	-33.69	9,723.8	-1,117.2	1,316.7	1,206.4	110.32	11.936	
20,100.0	10,519.1	12,078.5	9,337.2	77.5	40.5	-33.64	9,743.0	-1,116.4	1,316.8	1,206.4	110.40	11.927	
20,140.0	10,519.2	12,046.0	9,336.1	77.8	40.4	-33.56	9,775.5	-1,115.1	1,317.1	1,206.6	110.53	11.916	
20,200.0	10,519.4	12,001.5	9,334.2	78.3	40.2	-33.46	9,819.9	-1,113.6	1,318.1	1,207.3	110.75	11.901	
20,235.0	10,519.5	11,974.5	9,333.0	78.5	40.0	-33.40	9,846.9	-1,112.9	1,319.0	1,208.1	110.87	11.897	
20,600.0	10,520.5	11,527.8	9,322.5	81.2	38.0	-32.41	10,292.9	-1,094.5	1,318.5	1,207.7	110.77	11.903	
20,615.0	10,520.6	11,510.1	9,322.3	81.3	37.9	-32.35	10,310.5	-1,093.0	1,318.0	1,207.2	110.77	11.898	
20,700.0	10,520.8	11,390.4	9,321.8	82.0	37.4	-31.89	10,429.7	-1,081.4	1,314.0	1,203.5	110.56	11.886	
20,710.0	10,520.9	11,375.6	9,321.8	82.1	37.4	-31.82	10,444.4	-1,079.6	1,313.4	1,202.9	110.52	11.884	
20,800.0	10,521.1	11,222.9	9,323.7	82.7	36.8	-31.03	10,595.5	-1,057.9	1,306.1	1,196.2	109.90	11.884	
20,805.0	10,521.1	11,206.3	9,324.5	82.8	36.8	-30.96	10,611.9	-1,055.5	1,305.5	1,195.8	109.76	11.895	
20,900.0	10,521.4	11,075.0	9,339.9	83.5	36.3	-30.82	10,741.5	-1,043.1	1,291.0	1,181.4	109.54	11.786	
20,995.0	10,521.7	11,029.8	9,347.9	84.2	36.2	-31.03	10,786.0	-1,044.0	1,278.1	1,167.6	110.57	11.560	
21,000.0	10,521.7	11,027.9	9,348.2	84.2	36.2	-31.04	10,787.8	-1,044.1	1,277.6	1,167.0	110.63	11.548	
21,090.0	10,521.9	10,981.0	9,355.6	84.9	36.0	-31.40	10,833.9	-1,049.3	1,270.0	1,158.5	111.51	11.388	
21,100.0	10,522.0	10,981.0	9,355.6	84.9	36.0	-31.40	10,833.9	-1,049.3	1,269.3	1,157.6	111.66	11.367	
21,185.0	10,522.2	10,953.3	9,359.4	85.6	35.9	-31.66	10,860.9	-1,053.8	1,265.8	1,153.2	112.55	11.246	
21,200.0	10,522.2	10,946.1	9,360.4	85.7	35.8	-31.73	10,867.9	-1,055.0	1,265.5	1,152.8	112.68	11.231	
21,235.1	10,522.3	10,929.5	9,362.4	85.9	35.8	-31.89	10,884.2	-1,058.0	1,265.3	1,152.3	112.98	11.199	
21,280.0	10,522.5	10,887.0	9,367.0	86.3	35.6	-32.33	10,925.5	-1,066.7	1,266.0	1,152.8	113.23	11.181	
21,300.0	10,522.5	10,887.0	9,367.0	86.4	35.6	-32.33	10,925.5	-1,066.7	1,266.3	1,152.8	113.44	11.162	
21,375.0	10,522.7	10,887.0	9,367.0	87.0	35.6	-32.33	10,925.5	-1,066.7	1,269.8	1,155.8	114.07	11.132	
21,400.0	10,522.8	10,856.3	9,369.4	87.2	35.5	-32.65	10,955.3	-1,073.6	1,271.1	1,157.0	114.20	11.131	
21,470.0	10,523.0	10,827.6	9,370.9	87.7	35.4	-32.94	10,983.1	-1,080.5	1,277.4	1,162.8	114.61	11.146	
21,500.0	10,523.1	10,791.0	9,371.7	87.9	35.2	-33.31	11,018.5	-1,089.9	1,281.4	1,166.6	114.76	11.166	
21,565.0	10,523.3	10,791.0	9,371.7	88.4	35.2	-33.31	11,018.5	-1,089.9	1,289.6	1,174.6	115.04	11.210	
21,600.0	10,523.4	10,758.0	9,371.8	88.7	35.1	-33.64	11,050.2	-1,098.7	1,294.9	1,179.7	115.22	11.239	
21,660.0	10,523.5	10,708.7	9,372.0	89.1	34.9	-34.15	11,097.6	-1,112.5	1,304.3	1,188.8	115.51	11.292	
21,700.0	10,523.6	10,658.6	9,372.5	89.4	34.7	-34.68	11,145.6	-1,126.9	1,310.8	1,195.0	115.76	11.323	
21,755.0	10,523.8	10,603.0	9,373.5	89.8	34.5	-35.26	11,199.0	-1,142.3	1,318.9	1,202.9	116.06	11.364	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KRAKEN ST COM PROJECT - KRAKEN ST COM #701H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 9090-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
22,300.0	10,525.3	25,252.5	9,464.0	93.9	137.4	-35.12	12,582.7	-1,055.7	1,314.3	1,116.9	197.39	6.658	
22,325.0	10,525.4	25,252.5	9,464.0	94.1	137.4	-35.12	12,582.7	-1,055.7	1,302.4	1,103.1	199.24	6.537	
22,404.7	10,525.6	25,252.5	9,464.0	94.7	137.4	-35.12	12,582.7	-1,055.7	1,267.1	1,062.1	204.99	6.181	
22,420.0	10,525.7	25,252.5	9,464.0	94.8	137.4	-35.12	12,582.7	-1,055.7	1,260.7	1,054.7	206.07	6.118	
22,500.0	10,525.9	25,252.5	9,464.0	95.4	137.4	-35.12	12,582.7	-1,055.7	1,230.3	1,018.8	211.48	5.817	
22,515.0	10,525.9	25,252.5	9,464.0	95.5	137.4	-35.12	12,582.7	-1,055.7	1,225.1	1,012.6	212.45	5.766	
22,534.7	10,526.0	25,252.5	9,464.0	95.6	137.4	-35.12	12,582.7	-1,055.7	1,218.5	1,004.8	213.70	5.702	CC, ES, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - GRAHAM NASH STATE COM #5H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 7361-r.5 MWD+IFR1+MS

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
3,040.0	3,032.7	3,009.8	3,008.6	8.9	3.7	8.90	-137.6	-1,454.8	1,317.6	1,305.1	12.51	105.306	
3,100.0	3,092.3	3,070.3	3,069.1	9.1	3.7	8.95	-137.5	-1,454.9	1,311.4	1,298.7	12.75	102.882	
3,135.0	3,127.1	3,105.0	3,103.9	9.2	3.7	8.97	-137.4	-1,454.9	1,307.8	1,295.0	12.89	101.492	
3,200.0	3,191.8	3,169.1	3,167.9	9.5	3.8	9.02	-137.4	-1,455.0	1,301.2	1,288.1	13.15	98.966	
3,230.0	3,221.6	3,197.5	3,196.3	9.6	3.8	9.04	-137.4	-1,455.0	1,298.2	1,284.9	13.27	97.823	
3,300.0	3,291.2	3,268.2	3,267.0	9.8	3.8	9.09	-137.5	-1,455.2	1,291.1	1,277.5	13.56	95.217	
3,325.0	3,316.1	3,293.8	3,292.6	9.9	3.9	9.11	-137.5	-1,455.2	1,288.5	1,274.9	13.66	94.304	
3,400.0	3,390.7	3,366.0	3,364.9	10.2	3.9	9.16	-137.5	-1,455.4	1,281.0	1,267.0	13.98	91.644	
3,420.0	3,410.6	3,386.2	3,385.0	10.3	3.9	9.17	-137.6	-1,455.4	1,279.0	1,264.9	14.06	90.950	
3,500.0	3,490.1	3,466.1	3,464.9	10.5	3.9	9.23	-137.7	-1,455.6	1,270.9	1,256.5	14.40	88.259	
3,515.0	3,505.1	3,481.8	3,480.6	10.6	4.0	9.24	-137.7	-1,455.7	1,269.4	1,254.9	14.46	87.764	
3,600.0	3,589.6	3,561.6	3,560.5	10.9	4.0	9.29	-137.9	-1,455.9	1,260.9	1,246.1	14.83	85.044	
3,610.0	3,599.5	3,570.8	3,569.6	11.0	4.0	9.30	-137.9	-1,456.0	1,260.0	1,245.1	14.87	84.733	
3,700.0	3,689.0	3,666.1	3,664.9	11.3	4.1	9.36	-138.2	-1,456.3	1,251.0	1,235.8	15.25	82.020	
3,705.0	3,694.0	3,670.4	3,669.3	11.3	4.1	9.36	-138.3	-1,456.3	1,250.5	1,235.2	15.27	81.875	
3,800.0	3,788.5	3,767.0	3,765.8	11.7	4.1	9.43	-138.5	-1,456.4	1,240.8	1,225.2	15.67	79.168	
3,895.0	3,883.0	3,860.8	3,859.6	12.0	4.2	9.49	-138.8	-1,456.5	1,231.1	1,215.1	16.08	76.579	
3,900.0	3,888.0	3,865.6	3,864.4	12.0	4.2	9.50	-138.8	-1,456.5	1,230.6	1,214.5	16.10	76.446	
3,990.0	3,977.5	3,954.9	3,953.8	12.4	4.2	9.56	-139.0	-1,456.6	1,221.4	1,204.9	16.48	74.118	
4,000.0	3,987.4	3,964.4	3,963.2	12.4	4.2	9.56	-139.0	-1,456.6	1,220.4	1,203.9	16.52	73.861	
4,085.0	4,071.9	4,049.1	4,047.9	12.7	4.3	9.62	-139.2	-1,456.7	1,211.8	1,194.9	16.89	71.735	
4,100.0	4,086.9	4,064.3	4,063.1	12.8	4.3	9.63	-139.3	-1,456.7	1,210.2	1,193.3	16.96	71.371	
4,180.0	4,166.4	4,144.1	4,142.9	13.1	4.3	9.69	-139.5	-1,456.8	1,202.1	1,184.8	17.31	69.466	
4,200.0	4,186.3	4,164.4	4,163.2	13.2	4.3	9.71	-139.6	-1,456.8	1,200.1	1,182.7	17.39	69.003	
4,275.0	4,260.9	4,239.0	4,237.8	13.5	4.4	9.76	-139.7	-1,456.9	1,192.4	1,174.7	17.72	67.302	
4,300.0	4,285.8	4,264.3	4,263.1	13.5	4.4	9.78	-139.8	-1,456.9	1,189.9	1,172.1	17.82	66.754	
4,370.0	4,355.4	4,332.9	4,331.7	13.8	4.4	9.83	-140.0	-1,457.0	1,182.7	1,164.6	18.13	65.249	
4,400.0	4,385.2	4,363.5	4,362.3	13.9	4.5	9.85	-140.1	-1,457.0	1,179.7	1,161.4	18.26	64.617	
4,465.0	4,449.9	4,431.0	4,429.8	14.2	4.5	9.90	-140.3	-1,457.0	1,173.0	1,154.5	18.53	63.293	
4,500.0	4,484.7	4,465.4	4,464.2	14.3	4.5	9.93	-140.4	-1,456.9	1,169.3	1,150.6	18.68	62.610	
4,560.0	4,544.3	4,524.6	4,523.4	14.5	4.5	9.97	-140.6	-1,456.9	1,163.1	1,144.2	18.93	61.449	
4,600.0	4,584.1	4,564.3	4,563.1	14.7	4.6	10.00	-140.7	-1,456.8	1,158.9	1,139.8	19.09	60.694	
4,655.0	4,638.8	4,618.5	4,617.3	14.9	4.6	10.04	-140.9	-1,456.8	1,153.2	1,133.9	19.33	59.671	
4,700.0	4,683.6	4,664.2	4,663.0	15.1	4.6	10.07	-141.1	-1,456.7	1,148.5	1,129.0	19.52	58.854	
4,750.0	4,733.3	4,713.7	4,712.5	15.3	4.7	10.11	-141.3	-1,456.6	1,143.3	1,123.6	19.72	57.965	
4,800.0	4,783.0	4,762.9	4,761.7	15.5	4.7	10.15	-141.4	-1,456.6	1,138.2	1,118.2	19.94	57.087	
4,845.0	4,827.8	4,808.4	4,807.2	15.6	4.7	10.18	-141.5	-1,456.5	1,133.5	1,113.3	20.13	56.318	
4,900.0	4,882.5	4,862.0	4,860.8	15.9	4.7	10.22	-141.7	-1,456.5	1,127.8	1,107.4	20.36	55.395	
4,935.9	4,918.2	4,899.2	4,898.0	16.0	4.8	10.25	-141.8	-1,456.4	1,124.0	1,103.5	20.50	54.837	
4,940.0	4,922.3	4,903.3	4,902.1	16.0	4.8	10.26	-141.8	-1,456.4	1,123.6	1,103.1	20.51	54.773	
5,000.0	4,982.0	4,963.1	4,961.9	16.2	4.8	10.29	-142.0	-1,456.3	1,117.7	1,096.9	20.75	53.862	
5,035.0	5,016.8	4,997.8	4,996.6	16.4	4.8	10.31	-142.1	-1,456.2	1,114.5	1,093.6	20.89	53.351	
5,100.0	5,081.6	5,062.4	5,061.2	16.6	4.9	10.34	-142.2	-1,456.2	1,109.2	1,088.1	21.15	52.437	
5,130.0	5,111.5	5,093.0	5,091.8	16.7	4.9	10.35	-142.3	-1,456.1	1,107.0	1,085.7	21.27	52.047	
5,200.0	5,181.4	5,163.0	5,161.8	17.0	4.9	10.38	-142.5	-1,456.0	1,102.4	1,080.9	21.54	51.184	
5,225.0	5,206.3	5,188.5	5,187.3	17.0	4.9	10.39	-142.5	-1,455.9	1,101.0	1,079.3	21.63	50.905	
5,300.0	5,281.2	5,265.4	5,264.2	17.3	4.9	10.42	-142.4	-1,455.6	1,097.1	1,075.2	21.90	50.108	
5,320.0	5,301.2	5,285.2	5,284.0	17.3	5.0	10.42	-142.4	-1,455.5	1,096.3	1,074.3	21.96	49.917	
5,400.0	5,381.2	5,365.6	5,364.4	17.6	5.0	10.46	-142.0	-1,455.1	1,093.5	1,071.3	22.23	49.188	
5,415.0	5,396.2	5,380.5	5,379.3	17.6	5.0	10.47	-141.9	-1,455.1	1,093.1	1,070.8	22.27	49.073	
5,500.0	5,481.2	5,460.4	5,459.2	17.8	5.0	10.49	-141.6	-1,454.9	1,091.8	1,069.2	22.53	48.456	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - GRAHAM NASH STATE COM #5H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 7361-r.5 MWD+IFR1+MS

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
5,510.0	5,491.2	5,470.3	5,469.1	17.9	5.0	10.50	-141.6	-1,454.9	1,091.7	1,069.2	22.55	48.421	
5,533.3	5,514.5	5,493.1	5,491.9	17.9	5.0	10.50	-141.5	-1,454.9	1,091.7	1,069.1	22.58	48.341	
5,535.8	5,517.0	5,495.6	5,494.4	17.9	5.0	-92.88	-141.5	-1,454.9	1,091.7	1,069.1	22.59	48.333	
5,600.0	5,581.2	5,559.2	5,558.0	17.9	5.0	-92.87	-141.4	-1,455.0	1,091.7	1,069.1	22.64	48.223	
5,605.0	5,586.2	5,564.2	5,563.0	17.9	5.0	-92.87	-141.4	-1,455.0	1,091.7	1,069.1	22.64	48.212	
5,700.0	5,681.2	5,659.6	5,658.5	17.9	5.1	-92.86	-141.3	-1,455.1	1,091.8	1,069.1	22.74	48.003	
5,795.0	5,776.2	5,754.5	5,753.3	18.0	5.2	-92.87	-141.3	-1,455.2	1,091.9	1,069.0	22.85	47.782	
5,800.0	5,781.2	5,759.7	5,758.5	18.0	5.2	-92.87	-141.3	-1,455.2	1,091.9	1,069.0	22.86	47.772	
5,890.0	5,871.2	5,850.8	5,849.6	18.0	5.2	-92.87	-141.4	-1,455.2	1,091.9	1,069.0	22.94	47.590	
5,900.0	5,881.2	5,860.9	5,859.7	18.0	5.2	-92.87	-141.4	-1,455.2	1,091.9	1,068.9	22.95	47.571	
5,985.0	5,966.2	5,946.4	5,945.2	18.0	5.3	-92.88	-141.6	-1,455.1	1,091.8	1,068.8	23.03	47.416	
6,000.0	5,981.2	5,961.3	5,960.1	18.0	5.3	-92.88	-141.7	-1,455.1	1,091.8	1,068.8	23.04	47.391	
6,080.0	6,061.2	6,041.7	6,040.5	18.1	5.3	-92.89	-141.7	-1,455.0	1,091.7	1,068.6	23.10	47.259	
6,100.0	6,081.2	6,061.0	6,059.8	18.1	5.4	-92.89	-141.7	-1,455.0	1,091.7	1,068.6	23.12	47.223	
6,112.7	6,093.9	6,073.0	6,071.8	18.1	5.4	-92.89	-141.7	-1,455.0	1,091.7	1,068.6	23.13	47.199	
6,175.0	6,156.2	6,133.5	6,132.3	18.1	5.4	-92.89	-141.8	-1,455.0	1,091.8	1,068.6	23.20	47.066	
6,200.0	6,181.2	6,159.3	6,158.1	18.1	5.4	-92.90	-141.9	-1,455.0	1,091.8	1,068.6	23.22	47.014	
6,270.0	6,251.2	6,226.5	6,225.3	18.2	5.5	-92.89	-141.8	-1,455.2	1,091.9	1,068.6	23.30	46.862	
6,300.0	6,281.2	6,255.4	6,254.2	18.2	5.5	-92.89	-141.7	-1,455.3	1,092.1	1,068.7	23.33	46.802	
6,365.0	6,346.2	6,318.4	6,317.2	18.2	5.5	-92.87	-141.5	-1,455.6	1,092.4	1,069.0	23.41	46.667	
6,400.0	6,381.2	6,352.8	6,351.6	18.2	5.6	-92.87	-141.5	-1,455.9	1,092.6	1,069.2	23.45	46.595	
6,460.0	6,441.2	6,414.7	6,413.5	18.2	5.6	-92.89	-141.9	-1,456.2	1,093.0	1,069.5	23.52	46.477	
6,500.0	6,481.2	6,454.3	6,453.1	18.2	5.6	-92.91	-142.2	-1,456.4	1,093.2	1,069.6	23.56	46.396	
6,555.0	6,536.2	6,509.9	6,508.7	18.3	5.7	-92.93	-142.6	-1,456.7	1,093.5	1,069.8	23.62	46.287	
6,600.0	6,581.2	6,554.8	6,553.5	18.3	5.7	-92.95	-143.0	-1,456.9	1,093.7	1,070.0	23.67	46.198	
6,650.0	6,631.2	6,600.0	6,598.8	18.3	5.8	-92.97	-143.4	-1,457.2	1,094.1	1,070.3	23.73	46.098	
6,700.0	6,681.2	6,652.8	6,651.6	18.3	5.8	-92.99	-143.7	-1,457.6	1,094.5	1,070.7	23.79	46.000	
6,745.0	6,726.2	6,694.3	6,693.1	18.3	5.9	-93.00	-144.0	-1,458.0	1,094.9	1,071.1	23.85	45.912	
6,800.0	6,781.2	6,747.2	6,746.0	18.4	5.9	-93.01	-144.3	-1,458.5	1,095.5	1,071.6	23.92	45.804	
6,840.0	6,821.2	6,787.3	6,786.1	18.4	5.9	-93.03	-144.6	-1,459.0	1,096.0	1,072.0	23.97	45.729	
6,900.0	6,881.2	6,843.4	6,842.2	18.4	6.0	-93.04	-144.9	-1,459.7	1,096.7	1,072.7	24.04	45.616	
6,935.0	6,916.2	6,875.0	6,873.8	18.4	6.0	-93.05	-145.0	-1,460.3	1,097.4	1,073.3	24.09	45.554	
7,000.0	6,981.2	6,934.4	6,933.2	18.4	6.1	-93.05	-145.1	-1,461.6	1,098.8	1,074.6	24.17	45.453	
7,030.0	7,011.2	6,965.7	6,964.5	18.5	6.1	-93.05	-145.2	-1,462.3	1,099.5	1,075.3	24.21	45.410	
7,100.0	7,081.2	7,042.5	7,041.3	18.5	6.2	-93.05	-145.2	-1,463.7	1,100.8	1,076.5	24.30	45.297	
7,125.0	7,106.2	7,069.2	7,067.9	18.5	6.2	-93.05	-145.2	-1,464.1	1,101.2	1,076.8	24.33	45.252	
7,200.0	7,181.2	7,151.8	7,150.6	18.5	6.3	-93.05	-145.3	-1,465.1	1,102.1	1,077.7	24.43	45.112	
7,220.0	7,201.2	7,172.4	7,171.2	18.5	6.3	-93.05	-145.4	-1,465.3	1,102.2	1,077.8	24.46	45.070	
7,300.0	7,281.2	7,256.1	7,254.8	18.6	6.4	-93.07	-145.8	-1,465.7	1,102.7	1,078.1	24.55	44.907	
7,315.0	7,296.2	7,272.8	7,271.5	18.6	6.4	-93.08	-145.9	-1,465.8	1,102.7	1,078.2	24.57	44.877	
7,400.0	7,381.2	7,359.9	7,358.6	18.6	6.4	-93.08	-146.1	-1,465.9	1,102.8	1,078.2	24.67	44.706	
7,410.0	7,391.2	7,368.9	7,367.6	18.6	6.5	-93.08	-146.0	-1,465.9	1,102.9	1,078.2	24.68	44.686	
7,500.0	7,481.2	7,463.9	7,462.6	18.7	6.5	-92.99	-144.2	-1,466.4	1,103.2	1,078.5	24.76	44.549	
7,505.0	7,486.2	7,473.9	7,472.5	18.7	6.5	-92.95	-143.6	-1,466.4	1,103.2	1,078.4	24.76	44.549	
7,600.0	7,581.2	7,803.0	7,778.5	18.7	7.1	-87.59	-41.9	-1,431.5	1,090.1	1,065.4	24.64	44.242	
7,695.0	7,676.2	7,844.5	7,810.4	18.7	7.2	-86.20	-16.3	-1,424.4	1,073.6	1,048.9	24.63	43.585	
7,700.0	7,681.2	7,846.2	7,811.7	18.7	7.2	-86.14	-15.2	-1,424.2	1,072.8	1,048.2	24.63	43.555	
7,790.0	7,771.2	7,877.3	7,834.2	18.8	7.3	-84.99	5.8	-1,420.0	1,062.9	1,038.2	24.65	43.120	
7,800.0	7,781.2	7,881.2	7,836.9	18.8	7.3	-84.84	8.5	-1,419.6	1,062.1	1,037.4	24.65	43.086	
7,885.0	7,866.2	7,910.6	7,857.1	18.8	7.4	-83.68	29.8	-1,416.5	1,058.4	1,033.7	24.69	42.868	
7,900.0	7,881.2	7,915.2	7,860.1	18.8	7.4	-83.49	33.2	-1,416.1	1,058.3	1,033.6	24.70	42.843	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - GRAHAM NASH STATE COM #5H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 7361-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
7,901.2	7,882.4	7,915.5	7,860.3	18.8	7.4	-83.48	33.5	-1,416.1	1,058.3	1,033.6	24.70	42.841	CC, ES
7,980.0	7,961.2	7,944.5	7,878.2	18.9	7.5	-82.25	56.1	-1,413.9	1,060.6	1,035.9	24.77	42.821	SF
8,000.0	7,981.2	7,953.6	7,883.5	18.9	7.5	-81.85	63.5	-1,413.2	1,061.9	1,037.1	24.78	42.846	
8,075.0	8,056.2	7,977.3	7,896.7	18.9	7.6	-80.79	83.1	-1,411.5	1,069.4	1,044.5	24.90	42.947	
8,100.0	8,081.2	7,983.9	7,900.2	18.9	7.6	-80.49	88.7	-1,411.1	1,072.8	1,047.9	24.95	42.999	
8,170.0	8,151.2	7,993.0	7,904.9	19.0	7.6	-80.07	96.5	-1,410.5	1,085.2	1,060.0	25.14	43.158	
8,200.0	8,181.2	8,007.9	7,912.2	19.0	7.6	-79.38	109.3	-1,409.7	1,091.6	1,066.4	25.20	43.320	
8,265.0	8,246.2	8,024.0	7,919.7	19.0	7.7	-78.61	123.6	-1,408.9	1,107.9	1,082.5	25.38	43.648	
8,300.0	8,281.2	8,031.1	7,922.8	19.0	7.7	-78.27	130.1	-1,408.6	1,118.0	1,092.5	25.50	43.851	
8,360.0	8,341.2	8,050.0	7,930.5	19.0	7.7	-77.35	147.3	-1,407.6	1,137.3	1,111.6	25.67	44.298	
8,400.0	8,381.2	8,056.0	7,932.9	19.1	7.7	-77.06	152.8	-1,407.2	1,151.5	1,125.7	25.82	44.599	
8,455.0	8,436.2	8,068.4	7,937.4	19.1	7.8	-76.46	164.2	-1,406.4	1,172.8	1,146.8	26.01	45.089	
8,500.0	8,481.2	8,075.1	7,939.7	19.1	7.8	-76.13	170.5	-1,406.0	1,191.8	1,165.6	26.18	45.520	
8,550.0	8,531.2	8,088.0	7,943.9	19.1	7.8	-75.48	182.7	-1,405.2	1,214.4	1,188.0	26.36	46.077	
8,600.0	8,581.2	8,088.0	7,943.9	19.1	7.8	-75.48	182.7	-1,405.2	1,238.4	1,211.9	26.57	46.617	
8,645.0	8,626.2	8,088.0	7,943.9	19.2	7.8	-75.48	182.7	-1,405.2	1,261.4	1,234.6	26.75	47.147	
8,700.0	8,681.2	8,088.0	7,943.9	19.2	7.8	-75.48	182.7	-1,405.2	1,291.0	1,264.0	26.98	47.851	
8,740.0	8,721.2	8,100.2	7,947.5	19.2	7.8	-74.87	194.4	-1,404.4	1,313.4	1,286.3	27.12	48.429	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
0.0	0.0	2.5	2.5	3.0	3.0	92.65	-31.9	690.0	690.7				
95.0	95.0	101.9	101.9	3.0	3.0	92.60	-31.3	689.7	690.4	684.4	6.02	114.728	
100.0	100.0	107.4	107.4	3.0	3.0	92.60	-31.3	689.6	690.4	684.3	6.02	114.667	
190.0	190.0	200.0	200.0	3.1	3.0	92.49	-30.0	688.7	689.4	683.2	6.13	112.481	
200.0	200.0	210.1	210.1	3.1	3.0	92.48	-29.8	688.6	689.2	683.1	6.15	112.143	
266.4	266.4	269.1	269.1	3.2	3.0	92.42	-29.1	688.2	688.8	682.6	6.22	110.672	
285.0	285.0	285.6	285.5	3.3	3.0	92.42	-29.1	688.2	688.8	682.6	6.25	110.254	
300.0	300.0	300.0	300.0	3.3	3.0	92.42	-29.1	688.3	688.9	682.6	6.27	109.913	
380.0	380.0	372.0	372.0	3.4	3.0	92.48	-29.8	689.0	689.7	683.3	6.36	108.465	
400.0	400.0	391.8	391.8	3.4	3.0	92.50	-30.1	689.3	690.0	683.6	6.38	108.089	
475.0	475.0	472.7	472.7	3.5	3.0	92.61	-31.4	690.2	690.9	684.4	6.47	106.780	
500.0	500.0	500.9	500.8	3.5	3.0	92.63	-31.7	690.3	691.0	684.5	6.50	106.292	
570.0	570.0	582.6	582.6	3.6	3.0	92.66	-32.1	689.7	690.5	684.0	6.58	104.930	
600.0	600.0	615.5	615.5	3.6	3.0	92.66	-32.0	689.2	690.1	683.4	6.62	104.288	
665.0	665.0	688.9	688.8	3.7	3.0	92.64	-31.7	687.3	688.3	681.7	6.69	102.865	
700.0	700.0	723.0	722.9	3.8	3.0	92.63	-31.6	686.2	687.3	680.5	6.73	102.052	
760.0	760.0	779.9	779.8	3.8	3.0	92.63	-31.5	684.7	685.6	678.8	6.80	100.765	
800.0	800.0	817.8	817.7	3.9	3.1	92.64	-31.5	683.8	684.7	677.8	6.85	99.924	
855.0	855.0	870.3	870.1	4.0	3.1	92.65	-31.6	682.7	683.5	676.6	6.92	98.814	
900.0	900.0	914.2	914.0	4.0	3.1	92.68	-31.9	681.9	682.7	675.7	6.98	97.777	
950.0	950.0	961.9	961.8	4.1	3.1	92.70	-32.1	681.1	681.9	674.9	7.06	96.634	
1,000.0	1,000.0	1,005.4	1,005.2	4.1	3.1	92.74	-32.6	680.7	681.5	674.3	7.14	95.443	
1,021.4	1,021.4	1,024.0	1,023.8	4.2	3.2	92.76	-32.8	680.7	681.4	674.3	7.18	94.957	CC, ES
1,045.0	1,045.0	1,046.0	1,045.8	4.2	3.2	92.79	-33.1	680.7	681.5	674.3	7.22	94.414	
1,100.0	1,100.0	1,088.7	1,088.5	4.2	3.2	92.86	-34.0	681.2	682.2	674.9	7.32	93.250	
1,140.0	1,140.0	1,120.7	1,120.5	4.3	3.3	92.93	-34.9	682.0	683.2	675.8	7.39	92.477	
1,200.0	1,200.0	1,169.9	1,169.6	4.4	3.3	93.07	-36.7	683.9	685.6	678.1	7.51	91.358	
1,235.0	1,235.0	1,199.0	1,198.6	4.4	3.4	93.15	-37.7	685.3	687.5	679.9	7.58	90.745	
1,300.0	1,300.0	1,254.3	1,253.9	4.5	3.5	93.30	-39.8	688.8	691.6	683.9	7.72	89.628	
1,330.0	1,330.0	1,280.6	1,280.0	4.5	3.5	93.37	-40.7	690.6	693.8	686.0	7.79	89.119	
1,400.0	1,400.0	1,341.7	1,340.9	4.6	3.6	93.50	-42.6	695.5	699.5	691.6	7.95	87.970	
1,425.0	1,425.0	1,363.4	1,362.5	4.6	3.7	93.55	-43.2	697.4	701.8	693.8	8.01	87.581	
1,500.0	1,500.0	1,428.7	1,427.4	4.7	3.8	93.69	-45.4	703.8	709.2	701.0	8.20	86.456	
1,520.0	1,520.0	1,446.3	1,444.9	4.7	3.8	-162.87	-46.1	705.6	711.4	703.2	8.28	85.962	
1,600.0	1,600.0	1,518.2	1,516.3	4.8	4.0	-162.62	-49.4	713.7	722.2	713.6	8.58	84.181	
1,615.0	1,615.0	1,533.5	1,531.5	4.8	4.0	-162.57	-50.2	715.5	724.5	715.9	8.66	83.706	
1,700.0	1,699.8	1,623.2	1,620.5	5.0	4.2	-162.26	-55.3	725.5	738.8	729.7	9.11	81.104	
1,710.0	1,709.8	1,635.2	1,632.4	5.0	4.3	-162.22	-55.9	726.8	740.6	731.4	9.17	80.769	
1,800.0	1,799.4	1,742.7	1,739.4	5.2	4.6	-162.02	-61.0	736.7	756.7	747.0	9.71	77.891	
1,805.0	1,804.4	1,748.8	1,745.4	5.3	4.6	-162.02	-61.2	737.2	757.6	747.9	9.74	77.766	
1,900.0	1,898.9	1,846.7	1,843.0	5.5	4.8	-162.00	-65.1	744.2	774.1	763.8	10.22	75.763	
1,995.0	1,993.4	1,925.9	1,921.9	5.7	5.1	-161.95	-68.9	750.3	791.2	780.6	10.65	74.292	
2,000.0	1,998.4	1,929.7	1,925.6	5.7	5.1	-161.94	-69.1	750.7	792.2	781.5	10.67	74.232	
2,090.0	2,087.9	2,005.3	2,000.7	5.9	5.3	-161.85	-73.6	758.4	810.6	799.5	11.10	73.016	
2,100.0	2,097.8	2,016.4	2,011.7	5.9	5.3	-161.83	-74.2	759.6	812.7	801.5	11.16	72.819	
2,185.0	2,182.3	2,108.3	2,103.0	6.2	5.6	-161.71	-79.6	768.6	829.8	818.1	11.67	71.134	
2,200.0	2,197.3	2,123.8	2,118.4	6.2	5.7	-161.69	-80.5	770.1	832.7	821.0	11.75	70.858	
2,280.0	2,276.8	2,195.8	2,190.0	6.4	5.9	-161.62	-84.5	776.8	848.4	836.2	12.18	69.630	
2,300.0	2,296.7	2,210.1	2,204.2	6.5	5.9	-161.61	-85.3	778.3	852.5	840.3	12.28	69.436	
2,375.0	2,371.3	2,266.0	2,259.6	6.7	6.1	-161.56	-88.4	784.9	869.1	856.5	12.64	68.742	
2,400.0	2,396.2	2,282.5	2,276.0	6.8	6.2	-161.55	-89.3	787.1	875.0	862.2	12.75	68.598	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,470.0	2,465.8	2,335.9	2,328.7	7.0	6.3	-161.53	-92.0	794.8	892.2	879.1	13.10	68.078	
2,500.0	2,495.6	2,361.0	2,353.5	7.1	6.4	-161.53	-93.2	798.8	899.9	886.6	13.27	67.834	
2,565.0	2,560.3	2,441.7	2,433.2	7.3	6.7	-161.55	-96.6	810.9	916.2	902.4	13.75	66.630	
2,600.0	2,595.1	2,484.4	2,475.4	7.4	6.8	-161.58	-98.0	816.6	924.3	910.3	14.01	65.994	
2,660.0	2,654.7	2,555.1	2,545.6	7.6	7.1	-161.65	-100.0	825.3	937.7	923.3	14.44	64.943	
2,700.0	2,694.5	2,596.5	2,586.7	7.7	7.2	-161.70	-100.9	830.1	946.4	931.7	14.70	64.371	
2,755.0	2,749.2	2,653.5	2,643.3	7.9	7.4	-161.78	-102.0	836.6	958.1	943.0	15.07	63.584	
2,800.0	2,794.0	2,697.6	2,687.2	8.1	7.5	-161.85	-102.7	841.5	967.6	952.2	15.36	63.007	
2,850.0	2,843.7	2,746.8	2,736.0	8.2	7.7	-161.93	-103.4	847.0	978.1	962.5	15.68	62.374	
2,900.0	2,893.4	2,797.1	2,786.0	8.4	7.9	-162.01	-104.1	852.6	988.6	972.6	16.01	61.740	
2,945.0	2,938.2	2,842.5	2,831.1	8.6	8.0	-162.09	-104.7	857.6	998.0	981.7	16.31	61.175	
3,000.0	2,992.9	2,898.8	2,887.1	8.8	8.2	-162.18	-105.3	863.7	1,009.4	992.7	16.69	60.487	
3,040.0	3,032.7	2,940.0	2,928.0	8.9	8.3	-162.26	-105.7	868.0	1,017.6	1,000.6	16.96	59.991	
3,100.0	3,092.3	3,002.3	2,990.1	9.1	8.6	-162.36	-106.2	874.5	1,029.7	1,012.4	17.38	59.251	
3,135.0	3,127.1	3,039.5	3,027.1	9.2	8.7	-162.43	-106.6	878.2	1,036.7	1,019.1	17.63	58.812	
3,200.0	3,191.8	3,110.4	3,097.7	9.5	8.9	-162.53	-107.3	884.9	1,049.3	1,031.2	18.10	57.982	
3,230.0	3,221.6	3,142.8	3,129.9	9.6	9.0	-162.58	-107.7	887.8	1,055.0	1,036.7	18.31	57.608	
3,300.0	3,291.2	3,212.0	3,198.8	9.8	9.3	-162.69	-108.3	893.8	1,068.0	1,049.2	18.79	56.837	
3,325.0	3,316.1	3,234.7	3,221.4	9.9	9.4	-162.73	-108.4	895.8	1,072.6	1,053.7	18.95	56.596	
3,400.0	3,390.7	3,289.8	3,276.2	10.2	9.5	-162.79	-109.2	901.2	1,087.5	1,068.1	19.38	56.124	
3,420.0	3,410.6	3,306.0	3,292.4	10.3	9.6	-162.81	-109.6	902.9	1,091.7	1,072.2	19.50	55.992	
3,500.0	3,490.1	3,378.1	3,364.0	10.5	9.9	-162.85	-111.5	911.1	1,108.7	1,088.7	20.02	55.392	
3,515.0	3,505.1	3,392.0	3,377.8	10.6	9.9	-162.86	-111.9	912.7	1,111.9	1,091.8	20.11	55.279	
3,600.0	3,589.6	3,481.1	3,466.3	10.9	10.2	-162.84	-115.6	922.6	1,130.0	1,109.3	20.73	54.508	
3,610.0	3,599.5	3,491.8	3,476.9	11.0	10.2	-162.84	-116.1	923.8	1,132.1	1,111.3	20.81	54.415	
3,700.0	3,689.0	3,578.2	3,562.6	11.3	10.6	-162.76	-120.8	933.1	1,151.0	1,129.6	21.42	53.735	
3,705.0	3,694.0	3,583.0	3,567.4	11.3	10.6	-162.76	-121.1	933.6	1,152.1	1,130.6	21.45	53.699	
3,800.0	3,788.5	3,680.1	3,663.8	11.7	10.9	-162.66	-126.8	944.0	1,171.9	1,149.8	22.14	52.943	
3,895.0	3,883.0	3,775.6	3,758.6	12.0	11.3	-162.58	-132.1	953.9	1,191.5	1,168.7	22.81	52.234	
3,900.0	3,888.0	3,780.6	3,763.6	12.0	11.3	-162.57	-132.3	954.4	1,192.6	1,169.7	22.85	52.197	
3,990.0	3,977.5	3,875.0	3,857.3	12.4	11.6	-162.51	-137.2	963.9	1,210.8	1,187.3	23.51	51.501	
4,000.0	3,987.4	3,885.0	3,867.4	12.4	11.6	-162.51	-137.7	964.9	1,212.8	1,189.2	23.58	51.430	
4,085.0	4,071.9	3,970.5	3,952.3	12.7	11.9	-162.48	-141.5	973.2	1,229.7	1,205.5	24.19	50.833	
4,100.0	4,086.9	3,986.1	3,967.9	12.8	12.0	-162.48	-142.2	974.7	1,232.6	1,208.3	24.30	50.724	
4,180.0	4,166.4	4,066.0	4,047.3	13.1	12.3	-162.47	-145.4	982.2	1,248.3	1,223.4	24.87	50.184	
4,200.0	4,186.3	4,084.5	4,065.7	13.2	12.4	-162.47	-146.1	984.0	1,252.2	1,227.2	25.01	50.067	
4,275.0	4,260.9	4,142.8	4,123.7	13.5	12.6	-162.44	-148.9	989.8	1,267.4	1,241.9	25.46	49.775	
4,300.0	4,285.8	4,162.8	4,143.5	13.5	12.6	-162.43	-150.0	992.0	1,272.7	1,247.0	25.61	49.684	
4,370.0	4,355.4	4,243.0	4,223.2	13.8	12.9	-162.37	-154.5	1,000.5	1,287.2	1,261.0	26.17	49.179	
4,400.0	4,385.2	4,270.4	4,250.3	13.9	13.0	-162.35	-155.9	1,003.2	1,293.3	1,266.9	26.38	49.033	
4,465.0	4,449.9	4,320.1	4,299.7	14.2	13.2	-162.31	-158.8	1,008.6	1,306.9	1,280.2	26.76	48.833	
4,500.0	4,484.7	4,351.0	4,330.3	14.3	13.3	-162.28	-160.8	1,012.1	1,314.6	1,287.6	26.99	48.700 SF	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
0.0	0.0	1.4	1.4	3.0	3.0	92.79	-32.1	659.9	660.7				
95.0	95.0	95.3	95.3	3.0	3.0	92.74	-31.6	660.0	660.8	654.7	6.02	109.804	
100.0	100.0	100.0	100.0	3.0	3.0	92.73	-31.5	660.0	660.8	654.7	6.02	109.753	
190.0	190.0	191.0	191.0	3.1	3.0	92.62	-30.2	660.2	660.9	654.8	6.13	107.855	
200.0	200.0	200.9	200.8	3.1	3.0	92.60	-30.0	660.2	660.9	654.7	6.14	107.554	
285.0	285.0	286.8	286.8	3.3	3.0	92.45	-28.3	660.2	660.8	654.6	6.25	105.809	
300.0	300.0	301.5	301.5	3.3	3.0	92.43	-28.0	660.2	660.8	654.6	6.27	105.465	
380.0	380.0	384.5	384.4	3.4	3.0	92.33	-26.9	660.1	660.6	654.3	6.36	103.880	
400.0	400.0	405.5	405.5	3.4	3.0	92.32	-26.7	660.0	660.5	654.1	6.38	103.452	
475.0	475.0	487.5	487.5	3.5	3.0	92.29	-26.3	659.0	659.6	653.1	6.47	101.909	
500.0	500.0	515.2	515.2	3.5	3.0	92.28	-26.3	658.5	659.2	652.7	6.50	101.348	
570.0	570.0	599.2	599.1	3.6	3.1	92.27	-26.0	655.8	656.9	650.3	6.59	99.733	
600.0	600.0	631.8	631.7	3.6	3.1	92.28	-26.0	654.4	655.6	649.0	6.62	98.966	
665.0	665.0	697.0	696.8	3.7	3.1	92.29	-26.0	651.3	652.5	645.8	6.70	97.320	
700.0	700.0	729.6	729.4	3.8	3.1	92.29	-26.0	649.8	650.9	644.2	6.75	96.432	
760.0	760.0	783.9	783.6	3.8	3.1	92.30	-26.0	647.8	648.7	641.8	6.83	95.039	
800.0	800.0	821.7	821.4	3.9	3.1	92.31	-26.1	646.5	647.4	640.5	6.88	94.131	
855.0	855.0	877.9	877.6	4.0	3.1	92.31	-26.0	644.6	645.5	638.5	6.95	92.911	
900.0	900.0	924.0	923.6	4.0	3.1	92.32	-26.1	643.0	643.9	636.9	7.01	91.895	
950.0	950.0	973.0	972.6	4.1	3.2	92.37	-26.5	641.3	642.2	635.2	7.07	90.822	
1,000.0	1,000.0	1,022.2	1,021.7	4.1	3.2	92.56	-28.6	639.7	640.7	633.5	7.13	89.806	
1,045.0	1,045.0	1,068.1	1,067.6	4.2	3.2	92.78	-31.0	638.1	639.2	632.0	7.19	88.924	
1,100.0	1,100.0	1,124.2	1,123.5	4.2	3.2	93.06	-34.0	636.0	637.3	630.1	7.26	87.828	
1,140.0	1,140.0	1,162.9	1,162.1	4.3	3.2	93.26	-36.2	634.6	636.0	628.7	7.30	87.063	
1,200.0	1,200.0	1,223.7	1,222.8	4.4	3.2	93.57	-39.5	632.4	634.0	626.6	7.38	85.924	
1,235.0	1,235.0	1,257.0	1,256.1	4.4	3.2	93.74	-41.3	631.2	632.8	625.4	7.42	85.277	
1,300.0	1,300.0	1,311.7	1,310.6	4.5	3.2	94.08	-45.0	629.8	631.4	623.9	7.50	84.226	
1,330.0	1,330.0	1,341.3	1,340.2	4.5	3.2	94.28	-47.1	629.2	631.0	623.5	7.53	83.794	
1,400.0	1,400.0	1,411.1	1,409.7	4.6	3.3	94.76	-52.3	627.7	630.0	622.4	7.61	82.773	
1,425.0	1,425.0	1,436.9	1,435.4	4.6	3.3	94.94	-54.2	627.2	629.6	622.0	7.64	82.421	
1,500.0	1,500.0	1,514.0	1,512.3	4.7	3.3	95.47	-59.9	625.6	628.5	620.8	7.73	81.359	
1,520.0	1,520.0	1,534.6	1,532.9	4.7	3.3	-161.02	-61.4	625.1	628.2	620.5	7.77	80.872	
1,562.4	1,562.4	1,578.6	1,576.8	4.8	3.3	-160.75	-64.4	623.9	628.0	620.2	7.86	79.910 CC, ES	
1,600.0	1,600.0	1,617.3	1,615.3	4.8	3.3	-160.53	-67.1	622.8	628.2	620.3	7.94	79.131	
1,615.0	1,615.0	1,632.5	1,630.5	4.8	3.3	-160.45	-68.1	622.4	628.4	620.4	7.98	78.714	
1,700.0	1,699.8	1,718.5	1,716.3	5.0	3.4	-160.07	-73.5	619.7	630.8	622.6	8.24	76.547	
1,710.0	1,709.8	1,728.6	1,726.4	5.0	3.4	-160.03	-74.1	619.4	631.3	623.0	8.27	76.311	
1,800.0	1,799.4	1,800.0	1,797.6	5.2	3.4	-159.75	-78.7	617.7	637.4	628.8	8.55	74.553	
1,805.0	1,804.4	1,804.9	1,802.4	5.3	3.4	-159.73	-79.0	617.7	637.9	629.3	8.56	74.511	
1,900.0	1,898.9	1,890.7	1,888.1	5.5	3.4	-159.51	-84.7	618.1	648.5	639.7	8.78	73.859	
1,995.0	1,993.4	1,977.0	1,974.2	5.7	3.5	-159.33	-90.1	619.6	660.1	651.1	9.01	73.276	
2,000.0	1,998.4	1,981.9	1,979.1	5.7	3.5	-159.33	-90.4	619.7	660.8	651.7	9.02	73.249	
2,090.0	2,087.9	2,070.9	2,067.8	5.9	3.5	-159.17	-95.8	622.1	672.6	663.3	9.25	72.684	
2,100.0	2,097.8	2,081.0	2,078.0	5.9	3.5	-159.16	-96.4	622.3	673.9	664.6	9.28	72.617	
2,185.0	2,182.3	2,160.7	2,157.5	6.2	3.5	-159.03	-101.2	624.3	685.0	675.5	9.51	72.023	
2,200.0	2,197.3	2,175.0	2,171.7	6.2	3.5	-159.00	-102.1	624.8	687.0	677.5	9.55	71.929	
2,280.0	2,276.8	2,239.1	2,235.6	6.4	3.6	-158.90	-106.1	627.6	698.9	689.1	9.77	71.554	
2,300.0	2,296.7	2,256.2	2,252.7	6.5	3.6	-158.88	-107.2	628.5	702.1	692.3	9.82	71.482	
2,375.0	2,371.3	2,320.9	2,317.1	6.7	3.6	-158.79	-111.2	632.6	714.7	704.7	10.03	71.234	
2,400.0	2,396.2	2,346.3	2,342.4	6.8	3.6	-158.76	-112.9	634.4	719.1	709.0	10.11	71.138	
2,470.0	2,465.8	2,418.4	2,414.2	7.0	3.6	-158.68	-117.3	639.3	731.1	720.8	10.33	70.804	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,500.0	2,495.6	2,449.5	2,445.2	7.1	3.6	-158.65	-119.1	641.2	736.2	725.7	10.42	70.644	
2,565.0	2,560.3	2,519.6	2,515.1	7.3	3.7	-158.62	-122.8	645.4	746.7	736.1	10.63	70.218	
2,600.0	2,595.1	2,556.3	2,551.7	7.4	3.7	-158.61	-124.5	647.4	752.3	741.5	10.75	69.978	
2,660.0	2,654.7	2,617.2	2,612.4	7.6	3.7	-158.62	-127.2	650.6	761.6	750.6	10.95	69.551	
2,700.0	2,694.5	2,655.9	2,651.1	7.7	3.7	-158.63	-128.8	652.7	767.8	756.7	11.08	69.278	
2,755.0	2,749.2	2,710.9	2,705.9	7.9	3.8	-158.65	-131.1	655.6	776.3	765.0	11.27	68.878	
2,800.0	2,794.0	2,754.6	2,749.5	8.1	3.8	-158.67	-132.9	657.9	783.3	771.8	11.42	68.562	
2,850.0	2,843.7	2,802.9	2,797.7	8.2	3.8	-158.69	-134.7	660.5	791.1	779.5	11.60	68.211	
2,900.0	2,893.4	2,852.9	2,847.7	8.4	3.8	-158.73	-136.5	663.3	798.9	787.1	11.78	67.848	
2,945.0	2,938.2	2,897.1	2,891.7	8.6	3.8	-158.76	-138.1	665.7	805.9	794.0	11.94	67.518	
3,000.0	2,992.9	2,951.8	2,946.3	8.8	3.9	-158.81	-140.0	668.7	814.5	802.4	12.14	67.117	
3,040.0	3,032.7	2,990.2	2,984.6	8.9	3.9	-158.84	-141.2	670.8	820.8	808.5	12.28	66.834	
3,100.0	3,092.3	3,048.1	3,042.4	9.1	3.9	-158.88	-143.3	674.1	830.2	817.7	12.50	66.412	
3,135.0	3,127.1	3,094.0	3,088.2	9.2	3.9	-158.87	-145.5	676.3	835.5	822.9	12.65	66.058	
3,200.0	3,191.8	3,160.2	3,154.2	9.5	4.0	-158.79	-149.5	678.9	844.9	832.0	12.90	65.519	
3,230.0	3,221.6	3,189.0	3,182.9	9.6	4.0	-158.75	-151.4	680.0	849.2	836.2	13.01	65.284	
3,300.0	3,291.2	3,260.1	3,253.8	9.8	4.1	-158.65	-155.9	682.7	859.2	845.9	13.28	64.714	
3,325.0	3,316.1	3,284.2	3,277.9	9.9	4.1	-158.62	-157.4	683.6	862.8	849.4	13.37	64.521	
3,400.0	3,390.7	3,360.6	3,354.1	10.2	4.1	-158.53	-162.1	686.4	873.5	859.8	13.67	63.918	
3,420.0	3,410.6	3,382.0	3,375.4	10.3	4.2	-158.50	-163.5	687.1	876.2	862.5	13.75	63.748	
3,500.0	3,490.1	3,462.2	3,455.4	10.5	4.2	-158.42	-168.2	689.8	887.3	873.3	14.06	63.111	
3,515.0	3,505.1	3,478.0	3,471.2	10.6	4.2	-158.41	-169.1	690.4	889.4	875.3	14.12	62.985	
3,600.0	3,589.6	3,564.1	3,557.1	10.9	4.3	-158.34	-173.8	693.0	900.9	886.5	14.46	62.302	
3,610.0	3,599.5	3,573.1	3,566.2	11.0	4.3	-158.34	-174.3	693.3	902.3	887.8	14.50	62.230	
3,700.0	3,689.0	3,664.2	3,657.1	11.3	4.4	-158.29	-179.0	696.1	914.4	899.6	14.86	61.524	
3,705.0	3,694.0	3,669.6	3,662.4	11.3	4.4	-158.29	-179.3	696.3	915.1	900.2	14.88	61.483	
3,800.0	3,788.5	3,761.9	3,754.6	11.7	4.5	-158.25	-184.0	699.1	927.8	912.6	15.27	60.781	
3,895.0	3,883.0	3,855.1	3,847.6	12.0	4.6	-158.21	-188.7	701.9	940.6	924.9	15.65	60.095	
3,900.0	3,888.0	3,859.9	3,852.4	12.0	4.6	-158.20	-189.0	702.1	941.3	925.6	15.67	60.061	
3,990.0	3,977.5	3,950.9	3,943.3	12.4	4.6	-158.18	-193.4	705.0	953.5	937.5	16.05	59.423	
4,000.0	3,987.4	3,960.8	3,953.2	12.4	4.6	-158.18	-193.9	705.3	954.9	938.8	16.09	59.354	
4,085.0	4,071.9	4,043.6	4,035.8	12.7	4.7	-158.15	-197.9	708.0	966.4	949.9	16.44	58.788	
4,100.0	4,086.9	4,058.3	4,050.5	12.8	4.7	-158.15	-198.6	708.5	968.4	951.9	16.50	58.689	
4,180.0	4,166.4	4,136.8	4,128.8	13.1	4.8	-158.12	-202.5	711.0	979.3	962.5	16.83	58.175	
4,200.0	4,186.3	4,157.8	4,149.8	13.2	4.8	-158.11	-203.7	711.7	982.1	965.1	16.92	58.041	
4,275.0	4,260.9	4,230.3	4,222.1	13.5	4.9	-158.06	-207.8	714.0	992.3	975.1	17.23	57.588	
4,300.0	4,285.8	4,253.7	4,245.5	13.5	4.9	-158.04	-209.1	714.8	995.8	978.5	17.33	57.446	
4,370.0	4,355.4	4,325.0	4,316.6	13.8	5.0	-157.99	-213.1	717.1	1,005.4	987.7	17.63	57.013	
4,400.0	4,385.2	4,354.8	4,346.4	13.9	5.0	-157.97	-214.8	718.1	1,009.5	991.7	17.76	56.836	
4,465.0	4,449.9	4,417.0	4,408.4	14.2	5.1	-157.93	-218.3	720.2	1,018.5	1,000.4	18.03	56.475	
4,500.0	4,484.7	4,452.6	4,444.0	14.3	5.1	-157.91	-220.3	721.4	1,023.3	1,005.1	18.18	56.272	
4,560.0	4,544.3	4,510.5	4,501.7	14.5	5.2	-157.87	-223.6	723.3	1,031.6	1,013.2	18.44	55.950	
4,600.0	4,584.1	4,551.2	4,542.3	14.7	5.2	-157.84	-225.9	724.8	1,037.2	1,018.6	18.61	55.729	
4,655.0	4,638.8	4,637.8	4,628.8	14.9	5.3	-157.71	-232.0	726.0	1,043.8	1,024.9	18.90	55.219	
4,700.0	4,683.6	4,682.0	4,672.7	15.1	5.3	-157.61	-235.5	725.9	1,048.7	1,029.6	19.09	54.933	
4,750.0	4,733.3	4,731.5	4,722.1	15.3	5.4	-157.51	-239.5	725.8	1,054.0	1,034.7	19.30	54.618	
4,800.0	4,783.0	4,782.7	4,773.1	15.5	5.4	-157.39	-243.6	725.7	1,059.4	1,039.9	19.51	54.302	
4,845.0	4,827.8	4,825.5	4,815.8	15.6	5.5	-157.30	-247.1	725.7	1,064.3	1,044.6	19.69	54.038	
4,900.0	4,882.5	4,881.5	4,871.6	15.9	5.5	-157.18	-251.6	725.6	1,070.2	1,050.3	19.93	53.704	
4,935.9	4,918.2	4,937.7	4,927.7	16.0	5.6	-157.11	-255.3	725.2	1,073.8	1,053.7	20.10	53.427	
4,940.0	4,922.3	4,944.6	4,934.6	16.0	5.6	-157.11	-255.5	725.1	1,074.2	1,054.1	20.12	53.392	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
5,000.0	4,982.0	5,009.2	4,999.2	16.2	5.7	-157.15	-257.3	723.9	1,078.8	1,058.4	20.35	53.004	
5,035.0	5,016.8	5,042.7	5,032.6	16.4	5.7	-157.17	-258.3	723.2	1,081.2	1,060.8	20.49	52.777	
5,100.0	5,081.6	5,108.6	5,098.5	16.6	5.8	-157.19	-260.1	722.0	1,085.3	1,064.5	20.74	52.327	
5,130.0	5,111.5	5,137.3	5,127.2	16.7	5.8	-157.19	-260.9	721.5	1,086.9	1,066.0	20.85	52.129	
5,200.0	5,181.4	5,205.8	5,195.6	17.0	5.8	-157.18	-262.9	720.3	1,090.2	1,069.1	21.11	51.650	
5,225.0	5,206.3	5,231.6	5,221.4	17.0	5.9	-157.18	-263.6	719.9	1,091.2	1,070.0	21.20	51.481	
5,300.0	5,281.2	5,302.5	5,292.3	17.3	5.9	-157.14	-265.5	718.7	1,093.6	1,072.1	21.45	50.980	
5,320.0	5,301.2	5,323.8	5,313.6	17.3	6.0	-157.13	-266.1	718.4	1,094.1	1,072.6	21.52	50.847	
5,400.0	5,381.2	5,402.5	5,392.2	17.6	6.0	-157.06	-268.4	717.2	1,095.5	1,073.8	21.77	50.316	
5,415.0	5,396.2	5,418.3	5,408.0	17.6	6.0	-157.04	-268.9	717.0	1,095.7	1,073.9	21.82	50.226	
5,500.0	5,481.2	5,503.3	5,493.0	17.8	6.1	-156.92	-271.4	715.7	1,095.9	1,073.9	22.05	49.706	
5,510.0	5,491.2	5,513.6	5,503.3	17.9	6.1	-156.91	-271.7	715.5	1,095.9	1,073.8	22.06	49.674	
5,535.8	5,517.0	5,538.9	5,528.5	17.9	6.2	99.76	-272.4	715.1	1,095.7	1,073.6	22.09	49.593	
5,600.0	5,581.2	5,604.3	5,594.0	17.9	6.2	99.87	-274.4	714.2	1,095.1	1,073.0	22.13	49.483	
5,605.0	5,586.2	5,609.4	5,599.0	17.9	6.2	99.88	-274.5	714.1	1,095.0	1,072.9	22.13	49.472	
5,700.0	5,681.2	5,704.1	5,693.7	17.9	6.3	100.03	-277.3	712.6	1,094.1	1,071.9	22.20	49.273	
5,795.0	5,776.2	5,798.7	5,788.2	18.0	6.4	100.14	-279.2	711.3	1,093.1	1,070.8	22.27	49.071	
5,800.0	5,781.2	5,803.3	5,792.9	18.0	6.4	100.14	-279.2	711.2	1,093.0	1,070.7	22.28	49.062	
5,890.0	5,871.2	5,894.1	5,883.7	18.0	6.5	100.15	-279.1	710.4	1,092.2	1,069.8	22.35	48.873	
5,900.0	5,881.2	5,903.7	5,893.2	18.0	6.5	100.15	-279.1	710.3	1,092.1	1,069.7	22.35	48.853	
5,985.0	5,966.2	5,989.0	5,978.5	18.0	6.5	100.15	-279.0	709.4	1,091.2	1,068.8	22.42	48.668	
6,000.0	5,981.2	6,004.3	5,993.8	18.0	6.5	100.15	-279.0	709.3	1,091.1	1,068.6	22.43	48.634	
6,080.0	6,061.2	6,085.8	6,075.4	18.1	6.6	100.16	-279.1	708.3	1,090.2	1,067.7	22.50	48.448	
6,100.0	6,081.2	6,103.9	6,093.5	18.1	6.6	100.17	-279.1	708.1	1,090.0	1,067.4	22.52	48.410	
6,175.0	6,156.2	6,179.8	6,169.3	18.1	6.6	100.19	-279.4	707.3	1,089.2	1,066.7	22.58	48.240	
6,200.0	6,181.2	6,204.6	6,194.1	18.1	6.6	100.20	-279.6	707.0	1,089.0	1,066.4	22.60	48.183	
6,270.0	6,251.2	6,272.6	6,262.1	18.2	6.7	100.25	-280.4	706.2	1,088.2	1,065.6	22.66	48.031	
6,300.0	6,281.2	6,302.8	6,292.3	18.2	6.7	100.28	-280.9	705.8	1,088.0	1,065.3	22.68	47.964	
6,365.0	6,346.2	6,371.1	6,360.6	18.2	6.8	100.36	-282.3	704.9	1,087.3	1,064.6	22.74	47.807	
6,400.0	6,381.2	6,407.0	6,396.5	18.2	6.8	100.41	-283.0	704.3	1,086.9	1,064.1	22.77	47.723	
6,460.0	6,441.2	6,467.3	6,456.8	18.2	6.9	100.49	-284.4	703.2	1,086.1	1,063.3	22.83	47.582	
6,500.0	6,481.2	6,509.1	6,498.5	18.2	7.0	100.55	-285.4	702.5	1,085.6	1,062.7	22.86	47.482	
6,555.0	6,536.2	6,567.1	6,556.5	18.3	7.0	100.62	-286.6	701.2	1,084.6	1,061.7	22.91	47.334	
6,600.0	6,581.2	6,614.5	6,603.9	18.3	7.1	100.69	-287.7	700.1	1,083.8	1,060.8	22.96	47.211	
6,650.0	6,631.2	6,663.7	6,653.0	18.3	7.1	100.76	-288.8	699.0	1,082.8	1,059.8	23.00	47.085	
6,700.0	6,681.2	6,713.7	6,703.0	18.3	7.2	100.83	-289.9	697.8	1,081.9	1,058.9	23.04	46.956	
6,745.0	6,726.2	6,756.3	6,745.6	18.3	7.2	100.89	-290.8	696.8	1,081.1	1,058.0	23.08	46.849	
6,800.0	6,781.2	6,808.1	6,797.4	18.4	7.2	100.91	-291.2	696.0	1,080.3	1,057.2	23.12	46.724	
6,840.0	6,821.2	6,845.8	6,835.1	18.4	7.3	100.91	-291.1	695.5	1,079.8	1,056.6	23.16	46.631	
6,900.0	6,881.2	6,909.6	6,898.9	18.4	7.3	100.92	-291.0	694.6	1,078.9	1,055.7	23.22	46.462	
6,935.0	6,916.2	6,942.5	6,931.8	18.4	7.3	100.93	-291.2	694.1	1,078.4	1,055.2	23.25	46.380	
7,000.0	6,981.2	7,008.0	6,997.2	18.4	7.4	100.97	-291.7	693.1	1,077.5	1,054.2	23.32	46.216	
7,030.0	7,011.2	7,037.6	7,026.8	18.5	7.4	100.98	-291.9	692.7	1,077.1	1,053.8	23.34	46.143	
7,100.0	7,081.2	7,100.0	7,089.3	18.5	7.4	101.01	-292.2	691.9	1,076.4	1,053.0	23.40	46.000	
7,106.7	7,087.9	7,100.0	7,089.3	18.5	7.4	101.01	-292.2	691.9	1,076.3	1,052.9	23.39	46.010	
7,125.0	7,106.2	7,113.0	7,102.2	18.5	7.4	100.99	-292.0	692.0	1,076.4	1,053.0	23.40	45.992	
7,200.0	7,181.2	7,178.8	7,168.0	18.5	7.4	100.89	-290.2	693.0	1,077.2	1,053.7	23.47	45.893	
7,220.0	7,201.2	7,198.9	7,188.1	18.5	7.4	100.86	-289.7	693.4	1,077.5	1,054.0	23.50	45.859	
7,300.0	7,281.2	7,282.1	7,271.3	18.6	7.4	100.74	-287.6	694.7	1,078.3	1,054.7	23.59	45.703	
7,315.0	7,296.2	7,296.4	7,285.6	18.6	7.4	100.72	-287.3	694.9	1,078.4	1,054.8	23.61	45.680	
7,400.0	7,381.2	7,383.5	7,372.6	18.6	7.4	100.65	-286.1	696.0	1,079.3	1,055.6	23.71	45.528	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
7,410.0	7,391.2	7,394.2	7,383.3	18.6	7.4	100.64	-286.0	696.1	1,079.4	1,055.6	23.72	45.508	
7,500.0	7,481.2	7,502.4	7,491.6	18.7	7.4	100.59	-285.2	696.6	1,079.6	1,055.8	23.85	45.272	
7,505.0	7,486.2	7,508.0	7,497.2	18.7	7.4	100.59	-285.2	696.5	1,079.6	1,055.7	23.85	45.258	
7,600.0	7,581.2	7,602.9	7,592.1	18.7	7.5	100.59	-285.0	695.5	1,078.6	1,054.6	23.95	45.027	
7,695.0	7,676.2	7,695.5	7,684.6	18.7	7.5	100.55	-284.0	695.0	1,077.9	1,053.8	24.05	44.810	
7,700.0	7,681.2	7,700.0	7,689.1	18.7	7.5	100.54	-283.9	695.0	1,077.8	1,053.8	24.06	44.801	
7,790.0	7,771.2	7,786.5	7,775.6	18.8	7.5	100.58	-284.5	694.5	1,077.5	1,053.4	24.14	44.628	
7,800.0	7,781.2	7,796.2	7,785.4	18.8	7.6	100.59	-284.7	694.5	1,077.5	1,053.3	24.15	44.609	
7,885.0	7,866.2	7,889.7	7,878.8	18.8	7.7	100.67	-286.1	693.5	1,076.9	1,052.6	24.25	44.400	
7,900.0	7,881.2	7,905.4	7,894.5	18.8	7.7	100.68	-286.3	693.3	1,076.7	1,052.4	24.27	44.363	
7,980.0	7,961.2	7,989.0	7,978.1	18.9	7.8	100.76	-287.5	692.0	1,075.6	1,051.3	24.36	44.160	
8,000.0	7,981.2	8,009.4	7,998.5	18.9	7.8	100.78	-287.9	691.6	1,075.3	1,051.0	24.38	44.110	
8,075.0	8,056.2	8,082.7	8,071.7	18.9	7.8	100.79	-287.8	690.6	1,074.3	1,049.9	24.46	43.926	
8,100.0	8,081.2	8,106.3	8,095.4	18.9	7.8	100.76	-287.2	690.4	1,074.0	1,049.5	24.48	43.864	
8,170.0	8,151.2	8,179.6	8,168.7	19.0	7.8	100.66	-285.2	689.8	1,073.1	1,048.5	24.58	43.664	
8,200.0	8,181.2	8,217.1	8,206.1	19.0	7.8	100.61	-284.2	689.3	1,072.5	1,047.9	24.63	43.548	
8,265.0	8,246.2	8,286.4	8,275.3	19.0	7.9	100.55	-282.8	687.8	1,070.9	1,046.2	24.72	43.326	
8,300.0	8,281.2	8,318.1	8,307.1	19.0	7.9	100.54	-282.3	687.1	1,070.0	1,045.3	24.75	43.230	
8,360.0	8,341.2	8,375.0	8,364.0	19.0	7.9	100.54	-282.1	685.9	1,068.7	1,043.9	24.81	43.069	
8,400.0	8,381.2	8,417.7	8,406.7	19.1	7.9	100.56	-282.4	684.9	1,067.9	1,043.1	24.86	42.949	
8,455.0	8,436.2	8,476.1	8,465.0	19.1	8.0	100.63	-283.4	683.3	1,066.6	1,041.6	24.93	42.782	
8,500.0	8,481.2	8,520.4	8,509.3	19.1	8.0	100.69	-284.3	681.9	1,065.4	1,040.4	24.98	42.655	
8,550.0	8,531.2	8,564.5	8,553.4	19.1	8.1	100.71	-284.4	680.9	1,064.3	1,039.2	25.02	42.534	
8,600.0	8,581.2	8,614.6	8,603.5	19.1	8.1	100.67	-283.6	680.1	1,063.3	1,038.3	25.08	42.392	
8,645.0	8,626.2	8,657.2	8,646.1	19.2	8.1	100.64	-282.8	679.4	1,062.5	1,037.3	25.13	42.271	
8,700.0	8,681.2	8,715.8	8,704.7	19.2	8.1	100.60	-282.0	678.5	1,061.5	1,036.2	25.21	42.102	
8,740.0	8,721.2	8,753.1	8,741.9	19.2	8.1	100.59	-281.7	677.8	1,060.7	1,035.4	25.25	41.999	
8,800.0	8,781.2	8,815.4	8,804.2	19.2	8.2	100.59	-281.3	676.6	1,059.5	1,034.2	25.32	41.849	
8,835.0	8,816.2	8,851.8	8,840.6	19.3	8.2	100.59	-281.3	675.8	1,058.8	1,033.4	25.35	41.768	
8,900.0	8,881.2	8,908.0	8,896.8	19.3	8.2	100.61	-281.4	674.6	1,057.4	1,032.0	25.38	41.657	
8,930.0	8,911.2	8,935.3	8,924.1	19.3	8.2	100.59	-281.0	674.2	1,056.9	1,031.5	25.40	41.605	
8,961.2	8,942.4	8,955.0	8,943.8	19.3	8.2	100.54	-280.0	674.2	1,056.7	1,031.3	25.42	41.565	
9,000.0	8,981.2	8,980.2	8,968.8	19.3	8.2	100.41	-277.7	674.8	1,056.9	1,031.5	25.46	41.514	
9,025.0	9,006.2	9,003.0	8,991.3	19.3	8.2	100.21	-274.2	675.9	1,057.4	1,031.9	25.50	41.474	
9,100.0	9,081.2	9,050.0	9,036.8	19.4	8.2	99.58	-263.0	679.7	1,060.1	1,034.5	25.62	41.380	
9,120.0	9,101.2	9,067.3	9,053.3	19.4	8.3	99.30	-257.9	681.3	1,061.1	1,035.4	25.66	41.344	
9,200.0	9,181.2	9,215.3	9,190.2	19.4	8.4	96.33	-203.6	689.5	1,060.6	1,034.6	26.04	40.731	
9,215.0	9,196.2	9,225.1	9,198.6	19.4	8.4	96.05	-198.5	690.0	1,060.6	1,034.5	26.08	40.674	
9,217.1	9,198.3	9,226.4	9,199.7	19.4	8.4	96.01	-197.8	690.1	1,060.6	1,034.5	26.08	40.666	
9,300.0	9,281.2	9,277.0	9,241.0	19.5	8.5	94.44	-168.9	693.5	1,062.2	1,035.9	26.30	40.389	
9,310.0	9,291.2	9,287.0	9,249.0	19.5	8.5	94.11	-162.8	694.3	1,062.6	1,036.3	26.34	40.343	
9,400.0	9,381.2	9,428.0	9,352.9	19.5	8.7	89.01	-68.3	702.4	1,067.7	1,040.8	26.91	39.672	
9,405.0	9,386.2	9,428.0	9,352.9	19.5	8.7	89.01	-68.3	702.4	1,067.8	1,040.9	26.92	39.672	
9,500.0	9,481.2	9,476.0	9,382.0	19.6	8.7	86.97	-30.2	702.8	1,073.7	1,046.5	27.23	39.432	
9,595.0	9,576.2	9,523.0	9,408.1	19.6	8.8	84.89	8.9	703.4	1,085.7	1,058.0	27.63	39.296	SF
9,600.0	9,581.2	9,523.0	9,408.1	19.6	8.8	84.89	8.9	703.4	1,086.5	1,058.8	27.65	39.300	
9,690.0	9,671.2	9,546.7	9,420.4	19.7	8.8	83.81	29.2	703.9	1,104.0	1,075.9	28.07	39.336	
9,700.0	9,681.2	9,549.4	9,421.7	19.7	8.8	83.69	31.5	704.0	1,106.3	1,078.2	28.12	39.346	
9,785.0	9,766.2	9,572.0	9,432.6	19.7	8.9	82.65	51.3	704.6	1,129.0	1,100.4	28.59	39.492	
9,800.0	9,781.2	9,572.0	9,432.6	19.7	8.9	82.65	51.3	704.6	1,133.5	1,104.9	28.67	39.533	
9,880.0	9,861.2	9,594.9	9,442.9	19.8	8.9	81.58	71.7	705.5	1,160.3	1,131.2	29.17	39.782	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
9,900.0	9,881.2	9,599.6	9,444.9	19.8	8.9	81.36	76.0	705.6	1,167.7	1,138.4	29.29	39.861	
9,938.9	9,920.0	9,619.0	9,453.0	19.8	9.0	80.45	93.6	706.4	1,182.8	1,153.3	29.54	40.047	
9,950.0	9,931.2	9,619.0	9,453.0	19.8	9.0	80.10	93.6	706.4	1,187.3	1,157.8	29.51	40.238	
9,975.0	9,956.2	9,619.0	9,453.0	19.8	9.0	79.01	93.6	706.4	1,197.4	1,167.8	29.66	40.375	
10,000.0	9,981.1	9,619.0	9,453.0	19.8	9.0	77.89	93.6	706.4	1,207.8	1,178.0	29.81	40.515	
10,050.0	10,030.5	9,639.5	9,461.1	19.8	9.0	74.75	112.3	707.3	1,229.0	1,198.9	30.12	40.800	
10,070.0	10,050.0	9,646.1	9,463.7	19.8	9.0	73.57	118.5	707.6	1,237.5	1,207.3	30.25	40.916	
10,100.0	10,079.1	9,656.4	9,467.5	19.8	9.0	71.82	128.0	708.1	1,250.4	1,220.0	30.43	41.090	
10,150.0	10,126.4	9,679.6	9,475.9	19.8	9.0	68.78	149.6	709.1	1,271.7	1,241.0	30.74	41.376	
10,165.0	10,140.4	9,689.0	9,479.3	19.8	9.1	67.82	158.4	709.5	1,278.0	1,247.2	30.83	41.458	
10,200.0	10,172.2	9,711.7	9,487.2	19.8	9.1	65.66	179.7	710.5	1,292.5	1,261.5	31.04	41.643	
10,250.0	10,216.1	9,733.8	9,494.6	19.8	9.1	63.08	200.4	711.3	1,312.5	1,281.1	31.34	41.882	
10,260.0	10,224.6	9,738.1	9,496.0	19.8	9.1	62.59	204.5	711.5	1,316.4	1,285.0	31.40	41.927	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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	1.4	1.4	3.0	3.0	92.94	-32.3	630.0	630.8				
95.0	95.0	98.5	98.5	3.0	3.0	92.92	-32.2	629.8	630.7	624.7	6.02	104.801	
100.0	100.0	103.7	103.7	3.0	3.0	92.92	-32.2	629.8	630.7	624.6	6.02	104.747	
190.0	190.0	193.9	193.9	3.1	3.0	92.89	-31.8	629.5	630.3	624.2	6.13	102.827	
200.0	200.0	204.0	204.0	3.1	3.0	92.89	-31.8	629.4	630.3	624.1	6.15	102.526	
285.0	285.0	288.9	288.9	3.3	3.0	92.88	-31.7	629.1	629.9	623.7	6.25	100.733	
300.0	300.0	303.8	303.8	3.3	3.0	92.88	-31.7	629.0	629.9	623.6	6.27	100.378	
380.0	380.0	384.7	384.7	3.4	3.0	92.88	-31.6	628.7	629.5	623.1	6.38	98.721	
400.0	400.0	404.6	404.6	3.4	3.0	92.88	-31.6	628.6	629.4	623.0	6.40	98.278	
475.0	475.0	481.1	481.1	3.5	3.0	92.88	-31.6	628.1	628.9	622.4	6.50	96.741	
500.0	500.0	506.4	506.4	3.5	3.1	92.88	-31.6	627.9	628.7	622.2	6.54	96.202	
570.0	570.0	578.2	578.2	3.6	3.1	92.88	-31.6	627.2	628.1	621.4	6.63	94.763	
600.0	600.0	609.4	609.3	3.6	3.1	92.89	-31.6	626.9	627.7	621.1	6.67	94.120	
665.0	665.0	677.7	677.7	3.7	3.1	92.87	-31.4	625.8	626.7	619.9	6.76	92.751	
700.0	700.0	715.2	715.2	3.8	3.1	92.86	-31.2	625.1	626.0	619.2	6.81	91.979	
760.0	760.0	780.6	780.5	3.8	3.1	92.82	-30.7	623.4	624.4	617.5	6.89	90.657	
800.0	800.0	824.2	824.1	3.9	3.2	92.79	-30.3	621.9	623.1	616.1	6.94	89.724	
855.0	855.0	880.0	879.9	4.0	3.2	92.74	-29.6	619.9	621.0	614.0	7.02	88.466	
900.0	900.0	924.6	924.4	4.0	3.2	92.70	-29.1	618.2	619.3	612.3	7.08	87.435	
950.0	950.0	975.5	975.3	4.1	3.2	92.65	-28.5	616.3	617.5	610.3	7.15	86.318	
1,000.0	1,000.0	1,059.1	1,058.8	4.1	3.3	92.68	-28.6	611.4	614.7	607.5	7.22	85.113	
1,045.0	1,045.0	1,114.2	1,113.5	4.2	3.3	92.90	-30.7	605.6	610.1	602.8	7.28	83.784	
1,100.0	1,100.0	1,173.8	1,172.6	4.2	3.3	93.23	-33.8	598.6	603.8	596.4	7.36	82.053	
1,140.0	1,140.0	1,213.0	1,211.4	4.3	3.3	93.46	-35.9	593.9	599.1	591.7	7.41	80.793	
1,200.0	1,200.0	1,270.3	1,268.3	4.4	3.4	93.79	-38.9	587.1	592.1	584.6	7.50	78.926	
1,235.0	1,235.0	1,302.7	1,300.5	4.4	3.4	93.97	-40.5	583.3	588.2	580.7	7.55	77.879	
1,300.0	1,300.0	1,362.3	1,359.6	4.5	3.4	94.30	-43.4	576.9	581.5	573.8	7.65	76.014	
1,330.0	1,330.0	1,392.1	1,389.2	4.5	3.4	94.47	-44.9	573.8	578.5	570.8	7.69	75.200	
1,400.0	1,400.0	1,466.2	1,462.7	4.6	3.5	95.06	-50.1	565.6	571.2	563.4	7.79	73.308	
1,425.0	1,425.0	1,489.8	1,486.0	4.6	3.5	95.30	-52.2	562.9	568.5	560.7	7.83	72.635	
1,500.0	1,500.0	1,560.1	1,555.7	4.7	3.5	95.98	-58.2	555.3	561.0	553.0	7.93	70.701	
1,520.0	1,520.0	1,579.6	1,574.9	4.7	3.5	-160.47	-59.8	553.3	559.1	551.1	7.98	70.045	
1,600.0	1,600.0	1,659.0	1,653.7	4.8	3.6	-159.80	-66.4	544.9	553.1	544.9	8.17	67.698	
1,615.0	1,615.0	1,674.3	1,668.8	4.8	3.6	-159.67	-67.6	543.3	552.2	544.0	8.22	67.198	
1,700.0	1,699.8	1,778.3	1,771.8	5.0	3.7	-159.10	-73.9	530.5	546.7	538.2	8.49	64.413	
1,710.0	1,709.8	1,788.2	1,781.6	5.0	3.7	-159.07	-74.3	529.1	546.0	537.5	8.52	64.080	
1,800.0	1,799.4	1,866.7	1,859.4	5.2	3.7	-158.86	-77.7	519.2	542.7	533.9	8.84	61.395	
1,805.0	1,804.4	1,870.9	1,863.6	5.3	3.7	-158.86	-77.9	518.7	542.6	533.8	8.85	61.288	
1,839.0	1,838.2	1,900.0	1,892.5	5.3	3.7	-158.80	-79.0	515.5	542.5	533.5	8.95	60.603	
1,900.0	1,898.9	1,950.0	1,942.2	5.5	3.8	-158.73	-81.0	510.8	543.1	534.0	9.13	59.508	
1,995.0	1,993.4	2,060.0	2,051.6	5.7	3.9	-158.49	-86.2	501.1	544.8	535.4	9.41	57.917	
2,000.0	1,998.4	2,065.9	2,057.5	5.7	3.9	-158.46	-86.5	500.5	544.8	535.4	9.42	57.822	
2,090.0	2,087.9	2,168.8	2,159.1	5.9	3.9	-157.87	-94.2	486.3	542.1	532.4	9.70	55.897	
2,100.0	2,097.8	2,177.8	2,168.0	5.9	4.0	-157.81	-94.9	485.0	541.8	532.1	9.73	55.679	
2,185.0	2,182.3	2,246.4	2,235.9	6.2	4.0	-157.38	-100.4	476.5	540.6	530.6	10.02	53.976	
2,185.0	2,182.3	2,246.4	2,235.9	6.2	4.0	-157.38	-100.4	476.5	540.6	530.6	10.02	53.975	
2,200.0	2,197.3	2,258.6	2,248.0	6.2	4.0	-157.31	-101.4	475.2	540.6	530.5	10.06	53.714	
2,280.0	2,276.8	2,325.0	2,313.8	6.4	4.1	-156.93	-106.7	469.3	542.3	532.0	10.33	52.493	
2,300.0	2,296.7	2,344.8	2,333.5	6.5	4.1	-156.83	-108.3	467.7	542.9	532.5	10.40	52.219	
2,375.0	2,371.3	2,431.9	2,420.1	6.7	4.2	-156.45	-114.2	459.9	544.4	533.7	10.66	51.082	
2,400.0	2,396.2	2,456.6	2,444.6	6.8	4.2	-156.38	-115.5	457.5	544.6	533.9	10.75	50.682	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,470.0	2,465.8	2,536.2	2,523.8	7.0	4.2	-156.25	-118.7	449.4	544.9	533.9	11.00	49.522	
2,500.0	2,495.6	2,566.2	2,553.5	7.1	4.3	-156.26	-119.3	446.2	544.6	533.5	11.12	48.994	
2,565.0	2,560.3	2,630.9	2,617.8	7.3	4.3	-156.30	-120.4	439.1	544.1	532.7	11.37	47.868	
2,600.0	2,595.1	2,664.1	2,650.9	7.4	4.4	-156.32	-120.9	435.6	543.9	532.4	11.50	47.285	
2,660.0	2,654.7	2,722.7	2,709.1	7.6	4.4	-156.36	-122.0	429.6	543.8	532.0	11.74	46.319	
2,700.0	2,694.5	2,762.3	2,748.6	7.7	4.5	-156.38	-122.7	425.5	543.7	531.8	11.90	45.697	
2,755.0	2,749.2	2,817.3	2,803.2	7.9	4.5	-156.40	-123.8	419.9	543.6	531.5	12.12	44.856	
2,771.6	2,765.7	2,833.3	2,819.2	8.0	4.5	-156.41	-124.2	418.3	543.6	531.4	12.19	44.609	
2,800.0	2,794.0	2,860.1	2,845.8	8.1	4.6	-156.41	-124.8	415.6	543.7	531.4	12.30	44.198	
2,850.0	2,843.7	2,909.0	2,894.4	8.2	4.6	-156.31	-126.9	410.7	543.9	531.4	12.50	43.513	
2,900.0	2,893.4	2,959.2	2,944.2	8.4	4.6	-156.13	-129.9	405.5	544.1	531.4	12.70	42.859	
2,945.0	2,938.2	3,003.5	2,988.3	8.6	4.7	-155.97	-132.6	401.0	544.4	531.5	12.87	42.285	
3,000.0	2,992.9	3,055.8	3,040.2	8.8	4.7	-155.77	-135.7	395.8	544.9	531.8	13.09	41.622	
3,040.0	3,032.7	3,095.3	3,079.4	8.9	4.8	-155.63	-138.1	392.0	545.4	532.1	13.25	41.158	
3,100.0	3,092.3	3,153.7	3,137.5	9.1	4.8	-155.42	-141.6	386.4	546.2	532.7	13.49	40.489	
3,135.0	3,127.1	3,186.8	3,170.4	9.2	4.9	-155.30	-143.6	383.4	546.8	533.1	13.63	40.118	
3,200.0	3,191.8	3,250.0	3,233.2	9.5	4.9	-155.09	-147.4	377.8	548.1	534.2	13.89	39.462	
3,230.0	3,221.6	3,279.6	3,262.6	9.6	5.0	-154.99	-149.2	375.3	548.7	534.7	14.01	39.168	
3,300.0	3,291.2	3,347.4	3,330.1	9.8	5.0	-154.78	-153.1	369.6	550.4	536.1	14.29	38.514	
3,325.0	3,316.1	3,371.1	3,353.6	9.9	5.0	-154.71	-154.5	367.7	551.1	536.7	14.39	38.292	
3,400.0	3,390.7	3,444.2	3,426.4	10.2	5.1	-154.54	-158.3	362.1	553.4	538.7	14.70	37.655	
3,420.0	3,410.6	3,463.5	3,445.7	10.3	5.1	-154.50	-159.3	360.7	554.1	539.3	14.78	37.491	
3,500.0	3,490.1	3,542.9	3,524.8	10.5	5.2	-154.35	-163.2	355.0	556.9	541.8	15.11	36.856	
3,515.0	3,505.1	3,558.4	3,540.2	10.6	5.2	-154.32	-164.0	353.9	557.4	542.2	15.17	36.738	
3,600.0	3,589.6	3,654.3	3,635.7	10.9	5.3	-154.17	-168.3	346.1	559.5	544.0	15.54	36.010	
3,610.0	3,599.5	3,664.6	3,646.0	11.0	5.3	-154.15	-168.7	345.2	559.7	544.1	15.58	35.919	
3,700.0	3,689.0	3,755.2	3,736.1	11.3	5.4	-154.04	-172.3	336.9	560.8	544.9	15.97	35.124	
3,705.0	3,694.0	3,760.2	3,741.1	11.3	5.4	-154.03	-172.5	336.4	560.9	544.9	15.99	35.081	
3,800.0	3,788.5	3,855.7	3,836.1	11.7	5.5	-153.90	-176.3	327.6	562.1	545.7	16.40	34.279	
3,895.0	3,883.0	3,950.0	3,929.9	12.0	5.6	-153.76	-180.2	318.9	563.3	546.5	16.81	33.512	
3,900.0	3,888.0	3,954.8	3,934.7	12.0	5.7	-153.75	-180.4	318.4	563.3	546.5	16.83	33.473	
3,990.0	3,977.5	4,041.3	4,020.8	12.4	5.7	-153.63	-183.9	310.7	564.8	547.6	17.22	32.802	
4,000.0	3,987.4	4,050.7	4,030.1	12.4	5.8	-153.62	-184.3	309.9	565.0	547.7	17.26	32.732	
4,085.0	4,071.9	4,134.8	4,113.8	12.7	5.8	-153.53	-187.7	302.9	566.9	549.2	17.63	32.154	
4,100.0	4,086.9	4,150.3	4,129.2	12.8	5.9	-153.51	-188.3	301.7	567.2	549.5	17.70	32.053	
4,180.0	4,166.4	4,227.4	4,206.1	13.1	6.0	-153.42	-191.4	295.4	569.1	551.1	18.04	31.544	
4,200.0	4,186.3	4,246.5	4,225.1	13.2	6.0	-153.40	-192.2	293.9	569.6	551.5	18.13	31.424	
4,275.0	4,260.9	4,319.9	4,298.2	13.5	6.1	-153.31	-195.3	288.3	571.8	553.4	18.45	30.988	
4,300.0	4,285.8	4,344.8	4,323.1	13.5	6.1	-153.28	-196.4	286.5	572.6	554.0	18.56	30.848	
4,370.0	4,355.4	4,414.5	4,392.4	13.8	6.2	-153.18	-199.6	281.2	574.8	555.9	18.86	30.468	
4,400.0	4,385.2	4,443.8	4,421.6	13.9	6.2	-153.13	-200.9	279.1	575.7	556.7	18.99	30.311	
4,465.0	4,449.9	4,509.0	4,486.6	14.2	6.3	-153.03	-204.1	274.3	577.8	558.6	19.27	29.980	
4,500.0	4,484.7	4,545.4	4,522.8	14.3	6.3	-152.97	-205.8	271.5	578.9	559.5	19.43	29.800	
4,560.0	4,544.3	4,624.0	4,600.9	14.5	6.4	-152.74	-210.0	263.7	579.4	559.7	19.70	29.416	
4,600.0	4,584.1	4,663.5	4,640.2	14.7	6.4	-152.61	-212.3	259.3	579.3	559.5	19.87	29.161	
4,622.6	4,606.6	4,685.3	4,661.7	14.8	6.5	-152.53	-213.6	256.9	579.3	559.4	19.96	29.020	
4,655.0	4,638.8	4,715.5	4,691.7	14.9	6.5	-152.43	-215.4	253.6	579.4	559.3	20.10	28.826	
4,700.0	4,683.6	4,756.5	4,732.5	15.1	6.5	-152.28	-217.8	249.4	579.7	559.4	20.29	28.575	
4,750.0	4,733.3	4,801.8	4,777.4	15.3	6.6	-152.14	-220.5	245.1	580.5	560.0	20.49	28.323	
4,800.0	4,783.0	4,850.9	4,826.3	15.5	6.6	-151.99	-223.4	240.6	581.4	560.7	20.70	28.083	
4,845.0	4,827.8	4,896.2	4,871.3	15.6	6.7	-151.85	-226.1	236.5	582.3	561.4	20.89	27.871	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
4,900.0	4,882.5	4,966.1	4,940.7	15.9	6.8	-151.62	-230.2	229.5	582.9	561.8	21.14	27.580	
4,935.9	4,918.2	5,003.8	4,978.1	16.0	6.8	-151.50	-232.3	225.1	582.6	561.4	21.28	27.384	
4,940.0	4,922.3	5,007.8	4,982.0	16.0	6.8	-151.48	-232.5	224.6	582.6	561.3	21.29	27.361	
5,000.0	4,982.0	5,064.3	5,038.1	16.2	6.9	-151.27	-235.6	218.0	581.9	560.4	21.53	27.030	
5,035.0	5,016.8	5,096.9	5,070.4	16.4	6.9	-151.15	-237.4	214.4	581.5	559.8	21.67	26.835	
5,100.0	5,081.6	5,155.4	5,128.5	16.6	7.0	-150.92	-240.5	208.5	580.7	558.8	21.92	26.486	
5,130.0	5,111.5	5,183.0	5,156.0	16.7	7.0	-150.81	-241.9	205.9	580.3	558.3	22.04	26.335	
5,200.0	5,181.4	5,251.3	5,223.9	17.0	7.1	-150.52	-245.4	199.8	579.2	556.9	22.30	25.977	
5,225.0	5,206.3	5,276.2	5,248.7	17.0	7.1	-150.41	-246.7	197.6	578.7	556.3	22.38	25.850	
5,300.0	5,281.2	5,369.8	5,341.6	17.3	7.2	-149.86	-251.7	187.8	575.4	552.7	22.65	25.403	
5,320.0	5,301.2	5,389.5	5,361.1	17.3	7.3	-149.71	-252.8	185.4	574.0	551.3	22.71	25.275	
5,400.0	5,381.2	5,467.4	5,438.4	17.6	7.4	-149.08	-257.3	175.8	568.1	545.1	22.94	24.761	
5,415.0	5,396.2	5,481.5	5,452.3	17.6	7.4	-148.96	-258.1	174.1	566.9	543.9	22.98	24.671	
5,500.0	5,481.2	5,561.7	5,531.8	17.8	7.5	-148.27	-262.5	165.0	560.1	536.9	23.18	24.165	
5,510.0	5,491.2	5,571.1	5,541.2	17.9	7.5	-148.19	-263.0	163.9	559.3	536.1	23.19	24.120	
5,535.8	5,517.0	5,595.0	5,565.0	17.9	7.5	108.65	-264.3	161.3	557.1	533.9	23.21	24.004	
5,600.0	5,581.2	5,656.6	5,626.1	17.9	7.6	109.19	-267.5	155.0	551.9	528.7	23.22	23.769	
5,605.0	5,586.2	5,661.6	5,631.1	17.9	7.6	109.23	-267.8	154.5	551.6	528.3	23.22	23.750	
5,700.0	5,681.2	5,746.7	5,715.7	17.9	7.7	109.89	-271.6	146.4	544.5	521.2	23.26	23.405	
5,795.0	5,776.2	5,838.4	5,807.2	18.0	7.8	110.26	-273.1	140.4	539.1	515.8	23.35	23.090	
5,800.0	5,781.2	5,843.1	5,811.9	18.0	7.8	110.28	-273.2	140.1	538.9	515.5	23.35	23.074	
5,890.0	5,871.2	5,915.2	5,883.9	18.0	7.9	110.43	-273.6	136.9	535.4	512.0	23.42	22.861	
5,900.0	5,881.2	5,925.0	5,893.7	18.0	7.9	110.44	-273.6	136.7	535.2	511.8	23.43	22.839	
5,985.0	5,966.2	6,008.5	5,977.2	18.0	8.0	110.48	-273.4	135.1	533.6	510.0	23.55	22.658	
6,000.0	5,981.2	6,023.0	5,991.7	18.0	8.0	110.48	-273.3	134.9	533.3	509.7	23.57	22.628	
6,080.0	6,061.2	6,101.9	6,070.6	18.1	8.1	110.54	-273.3	133.5	532.0	508.3	23.68	22.471	
6,100.0	6,081.2	6,121.3	6,089.9	18.1	8.1	110.56	-273.4	133.2	531.7	508.0	23.70	22.437	
6,175.0	6,156.2	6,195.3	6,163.9	18.1	8.2	110.67	-274.0	131.9	530.7	507.0	23.78	22.321	
6,200.0	6,181.2	6,219.3	6,188.0	18.1	8.2	110.72	-274.4	131.5	530.5	506.7	23.80	22.290	
6,270.0	6,251.2	6,287.3	6,255.9	18.2	8.3	110.89	-275.7	130.3	529.8	506.0	23.84	22.220	
6,300.0	6,281.2	6,314.9	6,283.5	18.2	8.3	110.98	-276.4	129.9	529.7	505.8	23.85	22.206	
6,309.4	6,290.6	6,323.4	6,292.0	18.2	8.3	111.01	-276.7	129.8	529.7	505.8	23.86	22.204	
6,365.0	6,346.2	6,372.2	6,340.7	18.2	8.4	111.20	-278.3	129.4	530.0	506.1	23.86	22.215	
6,400.0	6,381.2	6,401.8	6,370.3	18.2	8.4	111.33	-279.6	129.5	530.6	506.8	23.85	22.251	
6,460.0	6,441.2	6,456.5	6,424.9	18.2	8.4	111.60	-282.6	130.0	532.3	508.5	23.83	22.341	
6,500.0	6,481.2	6,494.7	6,463.1	18.2	8.4	111.83	-285.0	130.5	533.7	509.9	23.81	22.413	
6,555.0	6,536.2	6,553.7	6,522.0	18.3	8.5	112.15	-288.6	131.2	535.6	511.8	23.81	22.500	
6,600.0	6,581.2	6,603.2	6,571.4	18.3	8.5	112.32	-290.5	131.7	536.7	512.9	23.81	22.537	
6,650.0	6,631.2	6,653.6	6,621.8	18.3	8.5	112.48	-292.3	132.1	537.7	513.9	23.82	22.577	
6,700.0	6,681.2	6,703.5	6,671.6	18.3	8.6	112.65	-294.2	132.4	538.7	514.9	23.82	22.617	
6,745.0	6,726.2	6,749.3	6,717.5	18.3	8.6	112.81	-295.9	132.7	539.6	515.8	23.82	22.650	
6,800.0	6,781.2	6,805.6	6,773.7	18.4	8.6	113.00	-297.9	132.9	540.6	516.8	23.83	22.684	
6,840.0	6,821.2	6,848.6	6,816.6	18.4	8.6	113.16	-299.5	132.9	541.2	517.3	23.84	22.698	
6,900.0	6,881.2	6,922.0	6,890.0	18.4	8.7	113.40	-301.7	132.1	541.4	517.5	23.89	22.661	
6,935.0	6,916.2	6,963.2	6,931.2	18.4	8.8	113.41	-301.4	131.3	540.6	516.7	23.95	22.569	
7,000.0	6,981.2	7,031.4	6,999.4	18.4	8.8	113.41	-300.7	129.5	538.8	514.7	24.06	22.392	
7,030.0	7,011.2	7,062.4	7,030.3	18.5	8.8	113.46	-300.7	128.4	537.8	513.7	24.10	22.315	
7,100.0	7,081.2	7,133.0	7,101.0	18.5	8.9	113.58	-300.8	125.8	535.4	511.2	24.19	22.137	
7,125.0	7,106.2	7,157.8	7,125.7	18.5	9.0	113.63	-300.9	124.8	534.6	510.4	24.22	22.076	
7,200.0	7,181.2	7,231.8	7,199.7	18.5	9.1	113.83	-301.6	121.9	532.1	507.9	24.29	21.908	
7,220.0	7,201.2	7,251.9	7,219.7	18.5	9.1	113.89	-301.9	121.0	531.5	507.2	24.31	21.864	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
7,300.0	7,281.2	7,325.0	7,292.8	18.6	9.2	114.01	-302.1	118.7	529.2	504.9	24.39	21.700	
7,315.0	7,296.2	7,339.4	7,307.1	18.6	9.2	114.00	-301.8	118.5	529.0	504.6	24.41	21.668	
7,400.0	7,381.2	7,424.7	7,392.5	18.6	9.2	113.88	-300.2	117.6	527.4	502.9	24.55	21.482	
7,410.0	7,391.2	7,434.7	7,402.5	18.6	9.2	113.86	-300.0	117.4	527.3	502.7	24.57	21.460	
7,500.0	7,481.2	7,525.2	7,492.9	18.7	9.3	113.73	-298.2	116.4	525.5	500.8	24.72	21.260	
7,505.0	7,486.2	7,530.1	7,497.8	18.7	9.3	113.72	-298.1	116.3	525.4	500.7	24.73	21.249	
7,600.0	7,581.2	7,622.1	7,589.8	18.7	9.3	113.60	-296.4	115.2	523.7	498.9	24.88	21.053	
7,695.0	7,676.2	7,714.7	7,682.4	18.7	9.4	113.70	-296.8	114.0	522.7	497.7	24.99	20.918	
7,700.0	7,681.2	7,719.8	7,687.5	18.7	9.4	113.71	-296.8	113.9	522.7	497.7	24.99	20.912	
7,790.0	7,771.2	7,808.8	7,776.4	18.8	9.5	113.98	-298.8	112.2	522.0	496.9	25.05	20.834	
7,800.0	7,781.2	7,818.8	7,786.4	18.8	9.5	114.02	-299.1	112.0	521.9	496.8	25.06	20.827	
7,885.0	7,866.2	7,905.1	7,872.7	18.8	9.6	114.31	-301.2	110.3	521.2	496.1	25.12	20.752	
7,900.0	7,881.2	7,920.5	7,888.1	18.8	9.7	114.31	-301.2	110.2	521.1	495.9	25.14	20.727	
7,980.0	7,961.2	8,000.6	7,968.2	18.9	9.7	114.28	-300.6	109.6	520.2	495.0	25.27	20.588	
8,000.0	7,981.2	8,020.0	7,987.6	18.9	9.7	114.27	-300.4	109.4	520.0	494.7	25.30	20.555	
8,075.0	8,056.2	8,096.1	8,063.7	18.9	9.8	114.25	-299.9	108.7	519.2	493.8	25.42	20.424	
8,100.0	8,081.2	8,121.6	8,089.1	18.9	9.8	114.26	-299.9	108.4	518.9	493.5	25.46	20.380	
8,170.0	8,151.2	8,190.3	8,157.9	19.0	9.9	114.30	-299.9	107.5	518.1	492.5	25.56	20.268	
8,200.0	8,181.2	8,218.7	8,186.3	19.0	9.9	114.33	-300.1	107.1	517.8	492.2	25.59	20.232	
8,265.0	8,246.2	8,282.9	8,250.5	19.0	10.0	114.43	-300.7	106.4	517.4	491.8	25.66	20.166	
8,300.0	8,281.2	8,317.9	8,285.4	19.0	10.1	114.49	-301.1	106.0	517.2	491.5	25.69	20.133	
8,360.0	8,341.2	8,377.5	8,345.0	19.0	10.1	114.63	-302.1	105.2	516.9	491.2	25.73	20.086	
8,400.0	8,381.2	8,416.0	8,383.5	19.1	10.2	114.73	-302.9	104.7	516.8	491.0	25.76	20.063	
8,416.0	8,397.2	8,431.1	8,398.6	19.1	10.2	114.78	-303.3	104.5	516.8	491.0	25.76	20.057	
8,455.0	8,436.2	8,466.6	8,434.1	19.1	10.2	114.92	-304.5	104.1	516.9	491.1	25.77	20.055	
8,500.0	8,481.2	8,512.8	8,480.3	19.1	10.2	115.13	-306.4	103.6	517.2	491.4	25.78	20.062	
8,550.0	8,531.2	8,574.1	8,541.5	19.1	10.3	115.36	-308.1	102.4	516.9	491.1	25.82	20.017	
8,600.0	8,581.2	8,626.5	8,593.9	19.1	10.4	115.52	-308.9	100.8	515.9	490.0	25.87	19.938	
8,645.0	8,626.2	8,673.1	8,640.5	19.2	10.4	115.65	-309.5	99.2	514.8	488.9	25.92	19.859	
8,700.0	8,681.2	8,726.8	8,694.2	19.2	10.5	115.79	-310.0	97.5	513.5	487.5	25.98	19.766	
8,740.0	8,721.2	8,768.4	8,735.7	19.2	10.6	115.89	-310.4	96.3	512.5	486.5	26.02	19.695	
8,800.0	8,781.2	8,826.2	8,793.5	19.2	10.6	116.02	-310.9	94.6	511.1	485.1	26.06	19.617	
8,835.0	8,816.2	8,859.7	8,827.0	19.3	10.6	116.10	-311.2	93.7	510.4	484.4	26.06	19.585	
8,900.0	8,881.2	8,922.7	8,889.9	19.3	10.6	116.26	-312.1	92.1	509.4	483.3	26.07	19.537	
8,930.0	8,911.2	8,953.9	8,921.1	19.3	10.6	116.35	-312.6	91.4	509.0	482.9	26.09	19.513	
9,000.0	8,981.2	9,221.4	9,175.7	19.3	10.7	110.99	-250.2	61.5	495.7	467.2	28.45	17.424	
9,025.0	9,006.2	9,264.3	9,211.1	19.3	10.7	108.64	-227.5	52.9	485.4	456.4	28.96	16.760	
9,100.0	9,081.2	9,357.0	9,280.0	19.4	10.8	101.56	-168.4	34.6	452.8	422.9	29.96	15.115	
9,120.0	9,101.2	9,376.1	9,293.3	19.4	10.8	99.86	-155.4	30.6	444.2	414.1	30.12	14.746	
9,200.0	9,181.2	9,447.8	9,340.0	19.4	10.9	92.51	-103.3	14.4	410.8	380.1	30.66	13.399	
9,215.0	9,196.2	9,456.3	9,345.0	19.4	10.9	91.52	-96.7	12.6	405.2	374.5	30.66	13.214	
9,300.0	9,281.2	9,499.9	9,369.5	19.5	11.0	86.12	-61.7	4.1	379.7	349.1	30.60	12.410	
9,310.0	9,291.2	9,504.8	9,372.2	19.5	11.0	85.50	-57.8	3.2	377.5	346.9	30.58	12.343	
9,400.0	9,381.2	9,553.1	9,398.1	19.5	11.1	79.15	-17.9	-5.4	366.1	335.5	30.58	11.971	
9,405.0	9,386.2	9,555.9	9,399.5	19.5	11.1	78.78	-15.6	-5.9	365.9	335.3	30.58	11.964	
9,421.9	9,403.1	9,565.3	9,404.5	19.5	11.1	77.53	-7.8	-7.7	365.6	335.0	30.60	11.950	CC, ES
9,500.0	9,481.2	9,612.0	9,429.1	19.6	11.2	71.33	30.9	-16.6	371.3	340.6	30.70	12.093	
9,595.0	9,576.2	9,653.4	9,450.4	19.6	11.3	65.89	65.5	-24.6	393.6	362.6	31.00	12.699	
9,600.0	9,581.2	9,655.4	9,451.5	19.6	11.3	65.62	67.2	-25.0	395.3	364.2	31.02	12.743	
9,690.0	9,671.2	9,690.0	9,468.4	19.7	11.4	61.17	96.7	-31.5	431.7	400.2	31.49	13.710	
9,700.0	9,681.2	9,693.6	9,470.1	19.7	11.4	60.71	99.8	-32.1	436.5	405.0	31.55	13.837	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
9,785.0	9,766.2	9,721.0	9,482.6	19.7	11.5	57.30	123.6	-37.0	482.5	450.4	32.11	15.027	
9,800.0	9,781.2	9,725.2	9,484.5	19.7	11.5	56.79	127.3	-37.8	491.4	459.2	32.21	15.256	
9,880.0	9,861.2	9,755.0	9,497.1	19.8	11.6	53.23	153.8	-42.8	543.1	510.4	32.69	16.614	
9,900.0	9,881.2	9,755.0	9,497.1	19.8	11.6	53.23	153.8	-42.8	556.8	523.9	32.89	16.930	
9,938.9	9,920.0	9,755.0	9,497.1	19.8	11.6	53.23	153.8	-42.8	584.4	551.1	33.25	17.575	
9,950.0	9,931.2	9,755.0	9,497.1	19.8	11.6	52.42	153.8	-42.8	592.5	559.2	33.21	17.838	
9,975.0	9,956.2	9,768.8	9,502.6	19.8	11.6	48.90	166.2	-45.0	610.4	577.0	33.32	18.319	
10,000.0	9,981.1	9,775.0	9,505.0	19.8	11.6	46.39	171.9	-46.1	628.2	594.7	33.50	18.752	
10,050.0	10,030.5	9,788.2	9,509.8	19.8	11.7	41.77	184.0	-48.2	663.5	629.6	33.88	19.584	
10,070.0	10,050.0	9,802.0	9,514.6	19.8	11.7	39.44	196.7	-50.5	677.5	643.5	33.96	19.946	
10,100.0	10,079.1	9,802.0	9,514.6	19.8	11.7	37.71	196.7	-50.5	697.8	663.6	34.27	20.364	
10,150.0	10,126.4	9,823.6	9,521.7	19.8	11.8	33.78	216.9	-54.3	730.8	696.2	34.61	21.115	
10,165.0	10,140.4	9,830.2	9,523.7	19.8	11.8	32.72	223.0	-55.5	740.4	705.7	34.72	21.327	
10,200.0	10,172.2	9,851.0	9,529.9	19.8	11.9	30.19	242.4	-59.5	762.1	727.2	34.93	21.818	
10,250.0	10,216.1	9,863.8	9,533.4	19.8	11.9	27.83	254.4	-62.1	791.5	756.2	35.35	22.389	
10,260.0	10,224.6	9,867.2	9,534.3	19.8	11.9	27.37	257.6	-62.8	797.2	761.8	35.43	22.499	
10,300.0	10,257.7	9,880.7	9,537.7	19.9	12.0	25.65	270.4	-65.6	819.2	783.5	35.75	22.916	
10,350.0	10,296.8	9,898.0	9,541.5	19.9	12.0	23.78	286.9	-69.3	844.9	808.8	36.13	23.385	
10,355.0	10,300.5	9,898.0	9,541.5	19.9	12.0	23.67	286.9	-69.3	847.4	811.2	36.18	23.424	
10,400.0	10,333.0	9,919.3	9,545.6	19.9	12.1	22.06	307.2	-74.1	868.5	832.0	36.49	23.800	
10,450.0	10,366.0	9,945.0	9,549.8	19.9	12.2	20.46	331.8	-80.3	889.8	853.0	36.84	24.157	
10,500.0	10,395.7	9,963.1	9,552.2	20.0	12.3	19.29	349.2	-84.8	908.7	871.5	37.19	24.435	
10,545.0	10,419.3	9,983.7	9,554.6	20.0	12.4	18.29	369.0	-89.8	923.5	886.0	37.48	24.638	
10,550.0	10,421.7	9,986.0	9,554.9	20.0	12.4	18.19	371.3	-90.3	925.0	887.5	37.51	24.657	
10,600.0	10,443.9	10,018.1	9,557.9	20.0	12.5	17.09	402.3	-97.9	938.7	900.8	37.82	24.819	
10,640.0	10,458.8	10,040.0	9,559.8	20.1	12.6	16.41	423.4	-103.2	947.1	909.0	38.06	24.883	
10,650.0	10,462.2	10,040.0	9,559.8	20.1	12.6	16.36	423.4	-103.2	949.0	910.9	38.12	24.893	
10,700.0	10,476.3	10,040.0	9,559.8	20.1	12.6	16.12	423.4	-103.2	957.5	919.2	38.39	24.945	
10,735.0	10,483.6	10,081.8	9,562.3	20.2	12.8	15.36	464.1	-112.6	960.2	921.6	38.60	24.878	
10,750.0	10,486.1	10,087.5	9,562.5	20.2	12.8	15.25	469.6	-113.8	961.5	922.8	38.67	24.862	
10,800.0	10,491.7	10,135.0	9,561.9	20.3	13.0	14.64	516.4	-122.1	965.0	926.1	38.95	24.777	
10,830.0	10,492.9	10,135.0	9,561.9	20.3	13.0	14.65	516.4	-122.1	964.6	925.5	39.05	24.699	
10,837.2	10,493.0	10,135.0	9,561.9	20.3	13.0	14.65	516.4	-122.1	964.4	925.3	39.08	24.680	
10,865.8	10,493.1	10,135.0	9,561.9	20.4	13.0	14.65	516.4	-122.1	964.0	924.8	39.14	24.628	
10,900.0	10,493.2	10,159.2	9,560.8	20.4	13.2	14.43	540.3	-125.7	964.3	925.0	39.28	24.551	
10,925.0	10,493.2	10,183.7	9,559.7	20.5	13.3	14.23	564.5	-129.1	964.5	925.1	39.40	24.481	
11,000.0	10,493.5	10,306.7	9,557.4	20.6	13.9	13.47	686.8	-141.8	964.8	924.9	39.89	24.186	
11,020.0	10,493.5	10,307.9	9,558.0	20.7	13.9	13.51	688.1	-141.4	963.8	923.8	39.96	24.120	
11,097.1	10,493.7	10,367.8	9,559.0	20.8	14.2	13.37	747.8	-144.1	962.2	921.9	40.33	23.860	
11,100.0	10,493.7	10,369.2	9,559.0	20.8	14.2	13.36	749.2	-144.1	962.2	921.9	40.34	23.853	
11,115.0	10,493.8	10,376.3	9,558.9	20.9	14.3	13.36	756.3	-144.2	962.3	921.9	40.40	23.818	
11,200.0	10,494.0	10,420.0	9,557.5	21.1	14.5	13.35	800.0	-144.0	965.1	924.4	40.74	23.690	
11,210.0	10,494.1	10,422.9	9,557.4	21.1	14.5	13.36	802.9	-144.0	965.7	924.9	40.77	23.686	
11,300.0	10,494.3	10,530.9	9,552.1	21.3	15.1	13.27	910.8	-144.4	970.2	928.9	41.39	23.441	
11,305.0	10,494.3	10,537.2	9,551.8	21.4	15.1	13.26	917.0	-144.5	970.4	929.0	41.43	23.424	
11,400.0	10,494.6	10,646.8	9,547.5	21.6	15.8	12.89	1,026.4	-150.2	973.3	931.1	42.13	23.100	
11,495.0	10,494.9	10,738.4	9,545.4	21.9	16.3	12.85	1,118.0	-150.4	975.6	932.8	42.79	22.799	
11,500.0	10,494.9	10,742.9	9,545.3	21.9	16.4	12.86	1,122.4	-150.3	975.8	933.0	42.83	22.785	
11,590.0	10,495.1	10,823.7	9,543.3	22.2	16.9	12.98	1,203.2	-148.0	978.8	935.3	43.46	22.524	
11,600.0	10,495.2	10,832.6	9,543.0	22.3	16.9	12.99	1,212.1	-147.7	979.2	935.7	43.53	22.497	
11,685.0	10,495.4	10,951.5	9,539.6	22.6	17.7	13.04	1,331.0	-146.2	982.5	938.2	44.34	22.160	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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	10,495.4	10,998.8	9,540.3	22.6	18.0	13.04	1,378.2	-146.5	982.3	937.8	44.55	22.049	
11,780.0	10,495.7	11,106.2	9,545.9	22.9	18.7	12.96	1,485.4	-149.2	977.7	932.4	45.30	21.581	
11,800.0	10,495.7	11,118.0	9,546.5	23.0	18.8	12.95	1,497.2	-149.7	976.7	931.2	45.46	21.483	
11,875.0	10,495.9	11,176.0	9,547.8	23.3	19.2	12.83	1,555.1	-152.1	974.4	928.3	46.09	21.142	
11,900.0	10,496.0	11,176.0	9,547.8	23.4	19.2	12.83	1,555.1	-152.1	974.0	927.7	46.23	21.066	
11,929.0	10,496.1	11,200.4	9,547.6	23.5	19.4	12.76	1,579.5	-153.3	973.9	927.4	46.49	20.950	
11,970.0	10,496.2	11,232.7	9,547.2	23.7	19.6	12.65	1,611.8	-155.2	974.1	927.2	46.83	20.798	
12,000.0	10,496.3	11,256.3	9,546.6	23.8	19.8	12.56	1,635.3	-156.7	974.4	927.4	47.09	20.694	
12,065.0	10,496.5	11,312.9	9,544.7	24.1	20.2	12.31	1,691.7	-160.6	975.8	928.1	47.68	20.467	
12,100.0	10,496.6	11,344.5	9,543.5	24.2	20.4	12.17	1,723.2	-163.0	976.7	928.7	48.00	20.349	
12,160.0	10,496.7	11,402.8	9,541.1	24.5	20.9	11.91	1,781.3	-167.0	978.5	929.9	48.59	20.139	
12,200.0	10,496.8	11,443.5	9,539.6	24.6	21.2	11.80	1,822.0	-168.7	979.7	930.7	48.99	19.999	
12,255.0	10,497.0	11,506.5	9,537.8	24.9	21.6	11.70	1,885.0	-170.1	981.1	931.5	49.58	19.788	
12,300.0	10,497.1	11,560.6	9,536.8	25.1	22.0	11.60	1,939.0	-171.8	981.8	931.8	50.08	19.606	
12,350.0	10,497.3	11,606.1	9,535.9	25.3	22.4	11.50	1,984.4	-173.5	982.6	932.0	50.58	19.426	
12,400.0	10,497.4	11,652.8	9,534.8	25.6	22.7	11.39	2,031.1	-175.2	983.5	932.4	51.09	19.251	
12,445.0	10,497.5	11,732.4	9,534.2	25.8	23.3	11.20	2,110.6	-178.6	983.6	931.9	51.72	19.019	
12,500.0	10,497.7	11,824.9	9,537.9	26.0	24.0	10.93	2,202.9	-184.3	980.5	928.0	52.42	18.704	
12,540.0	10,497.8	11,871.7	9,540.5	26.2	24.4	10.76	2,249.4	-187.7	977.8	924.9	52.88	18.492	
12,600.0	10,498.0	11,904.4	9,541.7	26.5	24.6	10.65	2,282.0	-189.9	975.0	921.6	53.48	18.232	
12,635.0	10,498.1	11,938.0	9,542.1	26.7	24.9	10.54	2,315.6	-192.0	974.4	920.5	53.87	18.088	
12,679.2	10,498.2	11,950.9	9,542.0	27.0	25.0	10.50	2,328.5	-192.7	973.9	919.6	54.25	17.952	
12,700.0	10,498.3	11,966.1	9,541.9	27.1	25.1	10.46	2,343.7	-193.3	974.0	919.5	54.46	17.884	
12,730.0	10,498.3	11,988.1	9,541.6	27.2	25.3	10.42	2,365.6	-193.9	974.3	919.6	54.76	17.791	
12,800.0	10,498.5	12,041.5	9,540.4	27.6	25.7	10.42	2,419.0	-194.0	976.0	920.6	55.47	17.596	
12,825.0	10,498.6	12,067.0	9,539.7	27.7	25.9	10.44	2,444.5	-193.5	976.8	921.1	55.76	17.519	
12,900.0	10,498.8	12,140.6	9,538.1	28.1	26.5	10.56	2,518.0	-191.2	979.2	922.6	56.61	17.297	
12,920.0	10,498.9	12,156.8	9,537.7	28.2	26.6	10.59	2,534.2	-190.6	979.9	923.1	56.82	17.245	
13,000.0	10,499.1	12,224.0	9,535.3	28.7	27.1	10.73	2,601.3	-187.9	983.5	925.8	57.67	17.053	
13,015.0	10,499.1	12,264.2	9,534.0	28.7	27.4	10.77	2,641.5	-187.0	984.1	926.1	58.00	16.967	
13,039.6	10,499.2	12,294.3	9,534.2	28.9	27.7	10.73	2,671.6	-187.9	983.7	925.4	58.32	16.867	
13,100.0	10,499.4	12,360.3	9,533.9	29.2	28.2	10.70	2,737.6	-188.4	984.1	925.0	59.07	16.659	
13,110.0	10,499.4	12,366.2	9,533.8	29.3	28.2	10.70	2,743.5	-188.3	984.2	925.1	59.17	16.634	
13,200.0	10,499.7	12,415.0	9,532.7	29.8	28.6	10.84	2,792.2	-185.8	987.5	927.5	60.00	16.459	
13,205.0	10,499.7	12,415.0	9,532.7	29.8	28.6	10.84	2,792.2	-185.8	987.8	927.8	60.02	16.457	
13,300.0	10,499.9	12,492.8	9,529.2	30.3	29.2	11.24	2,869.6	-178.1	994.3	933.2	61.03	16.292	
13,395.0	10,500.2	12,767.8	9,537.3	30.9	31.3	12.26	3,143.1	-162.3	991.9	929.0	62.92	15.766	
13,400.0	10,500.2	12,772.4	9,537.8	30.9	31.4	12.27	3,147.7	-162.2	991.4	928.5	62.98	15.742	
13,490.0	10,500.5	12,829.6	9,543.3	31.5	31.8	12.41	3,204.6	-161.1	983.8	919.7	64.10	15.349	
13,500.0	10,500.5	12,835.0	9,543.7	31.5	31.9	12.42	3,210.0	-161.0	983.2	919.0	64.22	15.311	
13,585.0	10,500.8	12,888.0	9,546.1	32.0	32.3	12.50	3,262.9	-160.3	979.7	914.5	65.22	15.022	
13,600.0	10,500.8	12,888.0	9,546.1	32.1	32.3	12.50	3,262.9	-160.3	979.4	914.1	65.36	14.986	
13,656.5	10,501.0	12,932.2	9,546.7	32.4	32.6	12.54	3,307.1	-159.8	979.0	913.0	66.03	14.827	
13,680.0	10,501.0	12,949.6	9,546.7	32.6	32.8	12.55	3,324.5	-159.6	979.1	912.8	66.30	14.768	
13,700.0	10,501.1	12,964.5	9,546.7	32.7	32.9	12.56	3,339.4	-159.5	979.3	912.7	66.53	14.719	
13,775.0	10,501.3	13,043.5	9,545.6	33.2	33.5	12.47	3,418.4	-160.9	980.2	912.7	67.53	14.517	
13,800.0	10,501.4	13,073.2	9,545.1	33.3	33.8	12.36	3,448.1	-162.9	980.4	912.5	67.88	14.443	
13,870.0	10,501.6	13,163.9	9,545.4	33.8	34.5	11.92	3,538.4	-170.7	978.9	910.0	68.89	14.209	
13,900.0	10,501.6	13,172.0	9,545.4	33.9	34.6	11.88	3,546.4	-171.4	978.6	909.4	69.19	14.144	
13,911.8	10,501.7	13,198.6	9,545.7	34.0	34.8	11.77	3,573.0	-173.4	978.0	908.6	69.42	14.089	
13,932.8	10,501.7	13,209.0	9,545.7	34.1	34.9	11.74	3,583.3	-174.0	977.9	908.3	69.65	14.041	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
13,965.0	10,501.8	13,224.9	9,545.4	34.3	35.0	11.69	3,599.2	-174.8	978.2	908.2	69.99	13.976	
14,000.0	10,501.9	13,242.2	9,544.9	34.6	35.2	11.65	3,616.5	-175.5	979.1	908.7	70.34	13.920	
14,060.0	10,502.1	13,304.9	9,541.9	34.9	35.7	11.57	3,679.1	-176.4	981.9	910.7	71.15	13.800	
14,100.0	10,502.2	13,350.9	9,541.7	35.2	36.1	11.56	3,725.1	-176.5	982.1	910.4	71.72	13.693	
14,155.0	10,502.4	13,396.1	9,541.0	35.5	36.4	11.56	3,770.4	-176.5	983.2	910.8	72.39	13.582	
14,200.0	10,502.5	13,416.3	9,540.1	35.8	36.6	11.56	3,790.5	-176.4	985.4	912.6	72.80	13.536	
14,250.0	10,502.6	13,456.0	9,536.9	36.1	36.9	11.55	3,830.1	-176.0	989.4	916.1	73.37	13.485	
14,300.0	10,502.8	13,482.6	9,534.3	36.5	37.1	11.55	3,856.5	-175.5	994.1	920.3	73.81	13.468	
14,345.0	10,502.9	13,729.6	9,542.2	36.7	39.1	11.78	4,102.6	-173.4	988.9	913.6	75.29	13.134	
14,400.0	10,503.1	13,774.6	9,546.8	37.1	39.5	11.74	4,147.3	-175.1	983.2	907.1	76.06	12.926	
14,440.0	10,503.2	13,805.5	9,549.7	37.4	39.8	11.71	4,178.1	-176.3	979.4	902.8	76.62	12.783	
14,500.0	10,503.3	13,853.3	9,553.4	37.7	40.2	11.65	4,225.7	-178.3	974.4	897.0	77.44	12.582	
14,535.0	10,503.4	13,882.2	9,555.5	38.0	40.4	11.61	4,254.5	-179.5	971.8	893.9	77.93	12.471	
14,600.0	10,503.6	13,927.0	9,558.3	38.4	40.8	11.55	4,299.2	-181.1	967.6	888.8	78.80	12.279	
14,630.0	10,503.7	13,927.0	9,558.3	38.6	40.8	11.55	4,299.2	-181.1	966.6	887.4	79.14	12.213	
14,700.0	10,503.9	13,980.3	9,560.0	39.1	41.2	11.50	4,352.4	-182.4	964.7	884.7	80.04	12.053	
14,703.7	10,503.9	13,982.1	9,560.0	39.1	41.2	11.49	4,354.2	-182.5	964.7	884.6	80.08	12.047	
14,725.0	10,504.0	13,992.3	9,559.9	39.2	41.3	11.49	4,364.4	-182.6	964.8	884.5	80.31	12.013	
14,800.0	10,504.2	14,039.8	9,558.4	39.7	41.7	11.45	4,411.9	-183.1	967.1	885.9	81.17	11.915	
14,820.0	10,504.2	14,066.6	9,557.4	39.8	41.9	11.42	4,438.7	-183.4	967.8	886.3	81.50	11.876	
14,900.0	10,504.5	14,147.5	9,555.1	40.4	42.6	11.27	4,519.5	-185.6	969.9	887.3	82.62	11.740	
14,915.0	10,504.5	14,158.2	9,554.7	40.5	42.7	11.25	4,530.2	-185.9	970.4	887.6	82.79	11.721	
15,000.0	10,504.7	14,223.6	9,551.3	41.0	43.2	11.13	4,595.5	-187.5	974.5	890.7	83.82	11.627	
15,010.0	10,504.8	14,234.4	9,550.7	41.1	43.3	11.11	4,606.2	-187.7	975.1	891.1	83.96	11.613	
15,100.0	10,505.0	14,331.8	9,545.7	41.7	44.1	11.02	4,703.6	-188.5	979.8	894.5	85.29	11.488	
15,105.0	10,505.0	14,337.4	9,545.4	41.7	44.2	11.01	4,709.1	-188.5	980.0	894.7	85.36	11.480	
15,200.0	10,505.3	14,427.3	9,541.6	42.4	44.9	10.98	4,798.9	-188.5	984.3	897.7	86.66	11.359	
15,295.0	10,505.6	14,546.1	9,536.1	43.0	45.9	10.99	4,917.5	-187.5	989.3	901.1	88.18	11.219	
15,300.0	10,505.6	14,590.0	9,535.1	43.1	46.3	11.00	4,961.4	-187.1	990.2	901.7	88.47	11.193	
15,346.2	10,505.7	14,625.3	9,535.7	43.4	46.6	11.04	4,996.8	-186.6	989.7	900.6	89.08	11.111	
15,390.0	10,505.8	14,651.3	9,535.7	43.7	46.8	11.08	5,022.7	-185.9	990.1	900.5	89.60	11.051	
15,400.0	10,505.9	14,657.2	9,535.6	43.7	46.8	11.09	5,028.6	-185.7	990.3	900.6	89.71	11.039	
15,485.0	10,506.1	14,730.5	9,533.9	44.3	47.5	11.26	5,101.8	-182.5	993.2	902.4	90.84	10.934	
15,500.0	10,506.2	14,748.4	9,533.5	44.4	47.6	11.32	5,119.7	-181.6	993.7	902.7	91.07	10.911	
15,580.0	10,506.4	14,843.6	9,532.9	45.0	48.4	11.69	5,214.6	-174.9	995.6	903.3	92.32	10.785	
15,600.0	10,506.4	14,867.3	9,533.1	45.1	48.6	11.82	5,238.2	-172.8	995.9	903.3	92.62	10.752	
15,675.0	10,506.6	14,944.3	9,534.1	45.6	49.2	12.26	5,314.8	-165.3	996.7	903.0	93.71	10.636	
15,700.0	10,506.7	14,969.2	9,534.4	45.8	49.4	12.39	5,339.6	-163.1	997.0	902.9	94.07	10.599	
15,770.0	10,506.9	15,058.8	9,535.9	46.3	50.1	12.77	5,429.0	-156.8	997.1	901.9	95.17	10.477	
15,800.0	10,507.0	15,090.4	9,536.7	46.5	50.4	12.86	5,460.6	-155.4	996.8	901.2	95.61	10.426	
15,865.0	10,507.2	15,151.1	9,538.0	46.9	50.9	13.03	5,521.3	-152.7	996.3	899.8	96.53	10.321	
15,900.0	10,507.3	15,182.5	9,538.6	47.2	51.2	13.13	5,552.5	-151.2	996.1	899.1	97.02	10.268	
15,914.0	10,507.3	15,194.5	9,538.8	47.3	51.3	13.17	5,564.6	-150.6	996.1	898.9	97.21	10.247	
15,960.0	10,507.5	15,234.2	9,539.2	47.6	51.6	13.29	5,604.2	-148.6	996.3	898.4	97.84	10.182	
16,000.0	10,507.6	15,261.0	9,539.4	47.9	51.8	13.37	5,631.0	-147.3	996.7	898.3	98.34	10.135	
16,055.0	10,507.7	15,309.0	9,539.3	48.3	52.2	13.51	5,678.9	-144.6	997.7	898.7	99.09	10.069	
16,100.0	10,507.8	15,342.7	9,538.8	48.6	52.5	13.63	5,712.5	-142.6	999.2	899.6	99.65	10.027	
16,150.0	10,508.0	15,426.2	9,539.3	48.9	53.2	13.90	5,795.9	-137.9	999.4	898.8	100.61	9.933	
16,200.0	10,508.1	15,534.3	9,544.3	49.3	54.1	14.23	5,903.7	-133.5	997.3	895.8	101.52	9.824	
16,245.0	10,508.3	15,581.5	9,547.6	49.6	54.5	14.35	5,950.8	-132.1	994.8	892.6	102.18	9.736	
16,300.0	10,508.4	15,635.8	9,551.2	50.0	54.9	14.48	6,004.9	-130.8	991.8	888.8	102.98	9.631	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
16,340.0	10,508.5	15,671.5	9,553.4	50.3	55.2	14.55	6,040.6	-130.3	989.7	886.1	103.56	9.556	
16,400.0	10,508.7	15,724.3	9,556.0	50.7	55.6	14.56	6,093.3	-130.8	986.8	882.4	104.44	9.449	
16,435.0	10,508.8	15,758.4	9,557.3	50.9	55.9	14.53	6,127.4	-131.8	985.4	880.4	104.95	9.389	
16,500.0	10,509.0	15,825.3	9,559.9	51.4	56.5	14.44	6,194.2	-134.2	982.5	876.6	105.91	9.277	
16,530.0	10,509.1	15,857.2	9,561.2	51.6	56.8	14.39	6,226.0	-135.5	981.2	874.8	106.35	9.226	
16,600.0	10,509.3	15,932.1	9,564.4	52.1	57.4	14.27	6,300.8	-138.5	977.8	870.4	107.38	9.105	
16,625.0	10,509.3	15,959.0	9,565.7	52.3	57.6	14.22	6,327.7	-139.7	976.5	868.7	107.75	9.062	
16,700.0	10,509.5	16,035.8	9,569.4	52.8	58.3	14.07	6,404.3	-143.4	972.3	863.4	108.86	8.932	
16,720.0	10,509.6	16,052.9	9,570.2	52.9	58.4	14.03	6,421.4	-144.2	971.2	862.0	109.15	8.898	
16,800.0	10,509.8	16,123.1	9,573.0	53.5	59.0	13.90	6,491.4	-147.4	967.5	857.1	110.33	8.769	
16,815.0	10,509.9	16,139.0	9,573.6	53.6	59.1	13.86	6,507.3	-148.2	966.8	856.3	110.55	8.746	
16,900.0	10,510.1	16,209.0	9,576.2	54.2	59.7	13.69	6,577.1	-151.8	963.1	851.3	111.78	8.616	
16,910.0	10,510.1	16,227.2	9,576.8	54.3	59.9	13.65	6,595.3	-152.9	962.6	850.7	111.94	8.599	
17,000.0	10,510.4	16,284.2	9,577.5	54.9	60.4	13.51	6,652.2	-155.5	960.9	847.8	113.16	8.491	
17,003.5	10,510.4	16,286.4	9,577.4	54.9	60.4	13.50	6,654.5	-155.6	960.9	847.7	113.21	8.488	
17,005.0	10,510.4	16,304.0	9,577.3	55.0	60.5	13.46	6,672.0	-156.2	961.1	847.8	113.30	8.483	
17,021.1	10,510.4	16,304.0	9,577.3	55.1	60.5	13.46	6,672.0	-156.2	961.0	847.5	113.47	8.469	
17,100.0	10,510.7	16,392.8	9,576.7	55.6	61.3	13.24	6,760.8	-160.0	961.0	846.3	114.69	8.380	
17,146.8	10,510.8	16,429.4	9,576.6	56.0	61.6	13.14	6,797.2	-161.9	960.7	845.4	115.33	8.330	
17,195.0	10,510.9	16,464.2	9,576.1	56.3	61.9	13.03	6,832.1	-163.7	961.1	845.1	115.97	8.287	
17,200.0	10,510.9	16,467.8	9,576.0	56.4	61.9	13.02	6,835.7	-163.9	961.1	845.1	116.03	8.283	
17,290.0	10,511.2	16,548.6	9,573.5	57.0	62.6	12.80	6,916.3	-167.2	963.2	846.0	117.30	8.212	
17,300.0	10,511.2	16,558.7	9,573.2	57.1	62.7	12.78	6,926.4	-167.4	963.5	846.1	117.45	8.204	
17,385.0	10,511.5	16,639.6	9,571.3	57.7	63.4	12.75	7,007.3	-167.7	965.7	847.0	118.68	8.137	
17,400.0	10,511.5	16,653.4	9,570.9	57.8	63.5	12.75	7,021.0	-167.6	966.2	847.3	118.89	8.127	
17,480.0	10,511.7	16,721.9	9,568.8	58.4	64.1	12.76	7,089.5	-167.1	969.0	849.0	119.97	8.077	
17,500.0	10,511.8	16,738.3	9,568.1	58.5	64.2	12.76	7,105.9	-167.0	969.9	849.7	120.23	8.067	
17,575.0	10,512.0	16,805.3	9,564.8	59.0	64.8	12.73	7,172.8	-166.8	973.8	852.5	121.26	8.030	
17,600.0	10,512.1	16,830.1	9,563.5	59.2	65.0	12.71	7,197.6	-166.9	975.1	853.5	121.64	8.017	
17,670.0	10,512.3	16,928.8	9,559.0	59.7	65.9	12.60	7,296.2	-168.0	978.5	855.5	122.96	7.958	
17,700.0	10,512.4	16,981.9	9,558.3	59.9	66.3	12.53	7,349.3	-169.1	978.8	855.2	123.56	7.922	
17,765.0	10,512.5	17,075.0	9,559.1	60.4	67.1	12.33	7,442.2	-173.0	977.8	853.2	124.64	7.845	
17,800.0	10,512.6	17,114.8	9,560.0	60.7	67.4	12.21	7,482.1	-175.3	976.8	851.6	125.17	7.804	
17,860.0	10,512.8	17,178.8	9,561.6	61.1	68.0	12.01	7,545.9	-179.3	974.6	848.6	126.07	7.731	
17,900.0	10,512.9	17,217.9	9,562.6	61.4	68.3	11.87	7,584.9	-181.9	973.2	846.5	126.67	7.683	
17,955.0	10,513.1	17,270.4	9,563.9	61.8	68.8	11.69	7,637.2	-185.5	971.3	843.8	127.49	7.619	
18,000.0	10,513.2	17,312.1	9,564.8	62.1	69.1	11.54	7,678.9	-188.3	969.9	841.8	128.16	7.568	
18,050.0	10,513.3	17,358.2	9,565.6	62.5	69.5	11.38	7,724.9	-191.3	968.6	839.7	128.90	7.514	
18,100.0	10,513.5	17,403.9	9,566.2	62.8	69.9	11.20	7,770.4	-194.5	967.4	837.8	129.64	7.462	
18,145.0	10,513.6	17,435.0	9,566.4	63.2	70.2	11.07	7,801.4	-196.9	966.6	836.4	130.27	7.420	
18,194.1	10,513.8	17,478.3	9,566.4	63.5	70.5	10.91	7,844.6	-199.8	966.2	835.3	130.98	7.377	
18,200.0	10,513.8	17,482.5	9,566.3	63.6	70.6	10.89	7,848.8	-200.1	966.2	835.2	131.06	7.373	
18,240.0	10,513.9	17,511.4	9,565.9	63.9	70.8	10.80	7,877.7	-201.6	966.5	835.0	131.59	7.345	
18,300.0	10,514.1	17,558.2	9,564.7	64.3	71.2	10.68	7,924.4	-203.5	967.8	835.4	132.39	7.310	
18,335.0	10,514.2	17,586.9	9,563.7	64.5	71.5	10.61	7,953.1	-204.5	968.8	836.0	132.86	7.292	
18,400.0	10,514.3	17,641.8	9,561.4	65.0	71.9	10.50	8,007.9	-206.2	971.4	837.7	133.74	7.263	
18,430.0	10,514.4	17,669.0	9,560.2	65.2	72.2	10.46	8,035.0	-206.6	972.7	838.6	134.16	7.251	
18,500.0	10,514.6	17,746.7	9,556.6	65.7	72.8	10.42	8,112.7	-206.8	976.1	840.8	135.29	7.215	
18,525.0	10,514.7	17,792.1	9,555.3	65.9	73.2	10.37	8,158.0	-207.5	976.8	841.0	135.85	7.191	
18,600.0	10,514.9	17,879.2	9,554.4	66.5	74.0	10.24	8,245.2	-209.8	977.4	840.4	137.06	7.132	
18,620.0	10,515.0	17,900.1	9,554.4	66.6	74.1	10.23	8,266.0	-210.0	977.5	840.2	137.36	7.116	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
18,700.0	10,515.2	18,023.8	9,556.9	67.2	75.2	10.11	8,389.6	-212.7	975.8	837.1	138.69	7.035	
18,715.0	10,515.2	18,039.0	9,557.4	67.3	75.3	10.08	8,404.8	-213.3	975.2	836.2	138.92	7.020	
18,800.0	10,515.5	18,120.9	9,560.3	67.9	76.0	9.90	8,486.6	-217.2	971.7	831.5	140.20	6.931	
18,810.0	10,515.5	18,129.5	9,560.6	68.0	76.1	9.88	8,495.2	-217.6	971.4	831.0	140.35	6.921	
18,900.0	10,515.7	18,204.6	9,562.8	68.7	76.7	9.81	8,570.2	-219.3	968.7	827.0	141.69	6.837	
18,905.0	10,515.8	18,208.2	9,562.9	68.7	76.8	9.80	8,573.8	-219.4	968.6	826.9	141.76	6.833	
18,969.1	10,515.9	18,253.8	9,563.5	69.2	77.1	9.81	8,619.5	-219.5	968.0	825.4	142.66	6.785	
19,000.0	10,516.0	18,280.0	9,563.4	69.4	77.4	9.83	8,645.6	-219.2	968.2	825.1	143.11	6.766	
19,095.0	10,516.3	18,363.6	9,562.6	70.1	78.1	9.83	8,729.2	-219.1	969.5	825.0	144.47	6.710	
19,100.0	10,516.3	18,368.2	9,562.5	70.1	78.1	9.83	8,733.8	-219.2	969.5	825.0	144.54	6.708	
19,190.0	10,516.6	18,431.7	9,560.7	70.8	78.7	9.80	8,797.2	-219.4	972.3	826.6	145.66	6.675	
19,200.0	10,516.6	18,438.5	9,560.4	70.9	78.7	9.80	8,804.1	-219.4	972.7	826.9	145.77	6.673	
19,285.0	10,516.8	18,504.9	9,556.9	71.5	79.3	9.86	8,870.4	-218.0	977.7	830.9	146.82	6.659	
19,300.0	10,516.9	18,518.1	9,556.1	71.6	79.4	9.88	8,883.5	-217.5	978.8	831.7	147.02	6.657	
19,380.0	10,517.1	18,591.0	9,551.7	72.2	80.0	10.07	8,956.1	-213.4	984.6	836.5	148.13	6.647	
19,400.0	10,517.2	18,610.5	9,550.4	72.3	80.2	10.13	8,975.6	-212.2	986.1	837.7	148.42	6.644	
19,475.0	10,517.4	18,683.5	9,545.8	72.9	80.8	10.35	9,048.3	-207.7	991.9	842.3	149.53	6.633	
19,500.0	10,517.4	18,707.8	9,544.2	73.1	81.0	10.43	9,072.5	-206.1	993.8	843.9	149.90	6.630	
19,570.0	10,517.6	18,815.5	9,539.6	73.6	81.9	10.75	9,179.9	-199.8	997.6	846.2	151.46	6.587	
19,600.0	10,517.7	18,884.7	9,539.2	73.8	82.5	10.94	9,249.0	-196.4	998.1	845.9	152.24	6.556	
19,665.0	10,517.9	18,949.9	9,539.8	74.3	83.0	11.09	9,314.2	-193.9	998.2	845.0	153.23	6.514	
19,700.0	10,518.0	18,985.5	9,540.1	74.5	83.3	11.17	9,349.7	-192.8	998.2	844.5	153.77	6.492	
19,760.0	10,518.2	19,046.8	9,540.6	75.0	83.9	11.27	9,410.9	-191.1	998.3	843.6	154.69	6.453	
19,800.0	10,518.3	19,088.2	9,541.0	75.3	84.2	11.34	9,452.4	-190.1	998.2	842.9	155.31	6.427	
19,855.0	10,518.4	19,142.5	9,541.5	75.7	84.7	11.43	9,506.7	-188.7	998.1	841.9	156.14	6.392	
19,862.2	10,518.5	19,148.6	9,541.6	75.7	84.7	11.44	9,512.7	-188.5	998.1	841.8	156.25	6.388	
19,900.0	10,518.6	19,180.4	9,541.8	76.0	85.0	11.48	9,544.5	-187.8	998.2	841.4	156.79	6.366	
19,950.0	10,518.7	19,225.0	9,541.6	76.4	85.4	11.54	9,589.1	-186.8	998.7	841.2	157.52	6.340	
20,000.0	10,518.8	19,266.5	9,541.2	76.7	85.7	11.59	9,630.6	-186.0	999.5	841.3	158.22	6.317	
20,045.0	10,519.0	19,306.2	9,540.6	77.1	86.1	11.63	9,670.3	-185.1	1,000.6	841.7	158.87	6.298	
20,100.0	10,519.1	19,380.7	9,539.9	77.5	86.7	11.73	9,744.8	-183.3	1,001.6	841.8	159.85	6.266	
20,140.0	10,519.2	19,440.5	9,540.7	77.8	87.2	11.84	9,804.6	-181.7	1,001.4	840.9	160.55	6.237	
20,200.0	10,519.4	19,526.7	9,543.7	78.2	87.9	11.99	9,890.7	-179.8	999.8	838.3	161.50	6.191	
20,235.0	10,519.5	19,565.7	9,545.6	78.5	88.3	12.05	9,929.6	-179.2	998.4	836.3	162.04	6.161	
20,300.0	10,519.7	19,637.7	9,549.7	79.0	88.9	12.16	10,001.5	-178.2	995.2	832.2	163.02	6.105	
20,330.0	10,519.8	19,668.3	9,551.4	79.2	89.1	12.20	10,032.0	-177.8	993.6	830.2	163.48	6.078	
20,400.0	10,520.0	19,735.7	9,555.3	79.7	89.7	12.28	10,099.3	-177.4	990.1	825.5	164.56	6.016	
20,425.0	10,520.0	19,758.7	9,556.5	79.9	89.9	12.31	10,122.3	-177.3	988.8	823.9	164.94	5.995	
20,500.0	10,520.3	19,832.6	9,560.2	80.4	90.5	12.36	10,196.1	-177.2	985.4	819.3	166.09	5.933	
20,520.0	10,520.3	19,853.7	9,561.3	80.6	90.7	12.37	10,217.2	-177.3	984.5	818.1	166.40	5.917	
20,600.0	10,520.5	19,938.5	9,565.7	81.2	91.4	12.37	10,301.9	-178.4	980.5	812.9	167.61	5.850	
20,615.0	10,520.6	19,954.5	9,566.5	81.3	91.5	12.37	10,317.8	-178.7	979.7	811.9	167.84	5.837	
20,700.0	10,520.8	20,037.0	9,571.0	81.9	92.2	12.34	10,400.2	-180.3	975.2	806.0	169.14	5.765	
20,710.0	10,520.9	20,046.2	9,571.4	82.0	92.3	12.33	10,409.4	-180.5	974.7	805.4	169.30	5.757	
20,800.0	10,521.1	20,119.2	9,574.4	82.7	92.9	12.23	10,482.2	-183.1	970.7	800.0	170.70	5.687	
20,805.0	10,521.1	20,122.8	9,574.5	82.7	93.0	12.22	10,485.9	-183.2	970.6	799.8	170.78	5.683	
20,900.0	10,521.4	20,198.0	9,575.4	83.4	93.6	12.05	10,561.0	-186.6	968.8	796.6	172.19	5.626	
20,995.0	10,521.7	20,286.9	9,575.6	84.1	94.4	11.81	10,649.8	-190.8	968.0	794.4	173.62	5.576	
21,000.0	10,521.7	20,291.5	9,575.6	84.1	94.4	11.80	10,654.4	-191.0	968.0	794.3	173.69	5.573	
21,049.1	10,521.8	20,336.7	9,575.4	84.5	94.8	11.68	10,699.6	-193.1	967.9	793.5	174.42	5.549	
21,090.0	10,521.9	20,378.1	9,575.1	84.8	95.2	11.57	10,740.9	-195.0	967.9	792.9	175.05	5.530	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
21,100.0	10,522.0	20,390.7	9,575.0	84.9	95.3	11.54	10,753.5	-195.6	967.9	792.7	175.22	5.524	
21,185.0	10,522.2	20,511.1	9,576.4	85.5	96.3	11.22	10,873.7	-201.6	966.5	789.9	176.57	5.474	
21,200.0	10,522.2	20,536.6	9,577.3	85.6	96.5	11.12	10,899.1	-203.6	965.8	789.0	176.78	5.464	
21,280.0	10,522.5	20,604.7	9,579.7	86.2	97.1	10.79	10,966.8	-209.8	961.9	783.9	178.02	5.403	
21,300.0	10,522.5	20,619.3	9,580.0	86.4	97.2	10.71	10,981.4	-211.2	961.2	782.9	178.33	5.390	
21,375.0	10,522.7	20,677.3	9,580.5	86.9	97.7	10.39	11,039.1	-216.8	959.6	780.1	179.46	5.347	
21,400.0	10,522.8	20,697.7	9,580.4	87.1	97.9	10.29	11,059.4	-218.6	959.3	779.4	179.82	5.334	
21,446.1	10,522.9	20,735.2	9,580.2	87.5	98.2	10.12	11,096.9	-221.4	959.0	778.5	180.49	5.313	
21,470.0	10,523.0	20,744.0	9,580.2	87.6	98.3	10.09	11,105.6	-222.0	959.1	778.4	180.76	5.306	
21,500.0	10,523.1	20,774.4	9,579.7	87.9	98.6	9.99	11,135.9	-223.7	959.4	778.2	181.22	5.294	
21,565.0	10,523.3	20,820.1	9,578.5	88.3	99.0	9.93	11,181.6	-224.6	961.0	779.0	182.03	5.279	
21,600.0	10,523.4	20,846.6	9,577.6	88.6	99.2	9.94	11,208.2	-224.3	962.4	780.0	182.47	5.275	
21,660.0	10,523.5	20,903.3	9,575.3	89.1	99.7	9.99	11,264.8	-223.2	965.2	781.8	183.35	5.264	
21,700.0	10,523.6	20,935.0	9,574.0	89.4	99.9	10.02	11,296.4	-222.5	967.1	783.3	183.84	5.261	
21,755.0	10,523.8	20,984.3	9,571.7	89.8	100.4	10.08	11,345.6	-221.0	970.2	785.6	184.60	5.256	
21,800.0	10,523.9	21,020.3	9,569.6	90.1	100.7	10.15	11,381.6	-219.6	973.2	788.0	185.14	5.256	
21,850.0	10,524.1	21,082.2	9,566.1	90.5	101.2	10.29	11,443.3	-216.6	976.5	790.4	186.11	5.247	
21,900.0	10,524.2	21,227.9	9,565.8	90.8	102.4	10.79	11,588.7	-208.1	977.9	790.4	187.55	5.214	
21,945.0	10,524.3	21,280.2	9,568.7	91.2	102.9	10.96	11,640.8	-205.9	976.0	787.8	188.23	5.185	
22,000.0	10,524.5	21,345.3	9,572.7	91.6	103.4	11.14	11,705.8	-203.6	973.2	784.2	189.04	5.148	
22,040.0	10,524.6	21,393.8	9,576.1	91.9	103.8	11.24	11,754.1	-202.7	970.7	781.1	189.61	5.120	
22,100.0	10,524.8	21,459.3	9,581.1	92.3	104.4	11.33	11,819.5	-202.2	966.6	776.1	190.49	5.074	
22,135.0	10,524.9	21,496.3	9,584.0	92.6	104.7	11.39	11,856.4	-201.9	964.0	773.0	191.02	5.047	
22,200.0	10,525.1	21,571.4	9,590.3	93.1	105.3	11.48	11,931.2	-201.7	958.9	767.0	191.92	4.996	
22,230.0	10,525.1	21,607.1	9,593.5	93.3	105.6	11.52	11,966.7	-201.8	956.3	764.0	192.32	4.973	
22,300.0	10,525.3	21,695.3	9,602.7	93.8	106.3	11.59	12,054.4	-202.7	949.3	756.2	193.15	4.915	
22,325.0	10,525.4	21,721.2	9,605.6	94.0	106.6	11.60	12,080.2	-203.1	946.6	753.1	193.52	4.891	
22,404.7	10,525.6	21,802.4	9,614.7	94.6	107.2	11.59	12,160.9	-205.3	937.6	742.9	194.70	4.816	
22,420.0	10,525.7	21,817.7	9,616.4	94.7	107.4	11.58	12,176.0	-205.7	935.9	741.0	194.94	4.801	
22,500.0	10,525.9	21,821.0	9,616.8	95.3	107.4	11.58	12,179.3	-205.8	930.0	733.2	196.82	4.725	
22,515.0	10,525.9	21,821.0	9,616.8	95.4	107.4	11.58	12,179.3	-205.8	929.6	732.6	197.04	4.718	
22,529.0	10,526.0	21,821.0	9,616.8	95.5	107.4	11.58	12,179.3	-205.8	929.5	732.3	197.20	4.714	
22,534.7	10,526.0	21,821.0	9,616.8	95.6	107.4	11.58	12,179.3	-205.8	929.5	732.3	197.25	4.712 SF	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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	89.79	0.4	120.1	120.2				
95.0	95.0	93.9	93.9	3.0	3.0	89.79	0.4	120.1	120.2	114.1	6.04	19.907	
100.0	100.0	98.9	98.9	3.0	3.0	89.79	0.4	120.1	120.2	114.1	6.04	19.891	
190.0	190.0	188.9	188.9	3.1	3.1	89.79	0.4	120.1	120.2	113.9	6.25	19.223	
200.0	200.0	198.9	198.9	3.1	3.1	89.79	0.4	120.1	120.2	113.9	6.28	19.119	
285.0	285.0	283.9	283.9	3.3	3.2	89.79	0.4	120.1	120.2	113.7	6.48	18.537	
300.0	300.0	298.9	298.9	3.3	3.3	89.79	0.4	120.1	120.2	113.6	6.52	18.425	
380.0	380.0	378.9	378.9	3.4	3.4	89.79	0.4	120.1	120.2	113.5	6.70	17.931	
400.0	400.0	398.9	398.9	3.4	3.4	89.79	0.4	120.1	120.2	113.4	6.75	17.803	
475.0	475.0	473.9	473.9	3.5	3.5	89.79	0.4	120.1	120.2	113.2	6.91	17.382	
500.0	500.0	498.9	498.9	3.5	3.5	89.79	0.4	120.1	120.2	113.2	6.97	17.240	
570.0	570.0	568.9	568.9	3.6	3.6	89.79	0.4	120.1	120.2	113.0	7.12	16.881	
600.0	600.0	598.9	598.9	3.6	3.6	89.79	0.4	120.1	120.2	113.0	7.18	16.727	
665.0	665.0	663.9	663.9	3.7	3.7	89.79	0.4	120.1	120.2	112.8	7.32	16.421	
700.0	700.0	698.9	698.9	3.8	3.8	89.79	0.4	120.1	120.2	112.8	7.39	16.257	
760.0	760.0	758.9	758.9	3.8	3.8	89.79	0.4	120.1	120.2	112.6	7.51	15.997	
800.0	800.0	798.9	798.9	3.9	3.9	89.79	0.4	120.1	120.2	112.6	7.59	15.825	
855.0	855.0	853.9	853.9	4.0	3.9	89.79	0.4	120.1	120.2	112.5	7.70	15.604	
900.0	900.0	898.9	898.9	4.0	4.0	89.79	0.4	120.1	120.2	112.4	7.79	15.425	
950.0	950.0	948.9	948.9	4.1	4.1	89.79	0.4	120.1	120.2	112.3	7.88	15.239	
1,000.0	1,000.0	998.9	998.9	4.1	4.1	89.79	0.4	120.1	120.2	112.2	7.98	15.054	
1,045.0	1,045.0	1,043.9	1,043.9	4.2	4.2	89.79	0.4	120.1	120.2	112.1	8.06	14.898	
1,100.0	1,100.0	1,098.9	1,098.9	4.2	4.2	89.79	0.4	120.1	120.2	112.0	8.17	14.709	
1,140.0	1,140.0	1,138.9	1,138.9	4.3	4.3	89.79	0.4	120.1	120.2	111.9	8.24	14.579	
1,200.0	1,200.0	1,198.9	1,198.9	4.4	4.4	89.79	0.4	120.1	120.2	111.8	8.35	14.387	
1,235.0	1,235.0	1,233.9	1,233.9	4.4	4.4	89.79	0.4	120.1	120.2	111.7	8.41	14.280	
1,300.0	1,300.0	1,298.9	1,298.9	4.5	4.5	89.79	0.4	120.1	120.2	111.6	8.53	14.084	
1,330.0	1,330.0	1,328.9	1,328.9	4.5	4.5	89.79	0.4	120.1	120.2	111.6	8.58	13.999	
1,400.0	1,400.0	1,398.9	1,398.9	4.6	4.6	89.79	0.4	120.1	120.2	111.4	8.71	13.801	
1,425.0	1,425.0	1,423.9	1,423.9	4.6	4.6	89.79	0.4	120.1	120.2	111.4	8.75	13.733	
1,500.0	1,500.0	1,498.9	1,498.9	4.7	4.7	89.79	0.4	120.1	120.2	111.3	8.88	13.533	CC, ES
1,520.0	1,520.0	1,518.1	1,518.1	4.7	4.7	-166.83	0.4	120.2	120.3	111.3	8.95	13.438	
1,600.0	1,600.0	1,594.8	1,594.8	4.8	4.8	-166.95	0.3	121.7	123.5	114.2	9.25	13.353	SF
1,615.0	1,615.0	1,609.2	1,609.1	4.8	4.8	-166.99	0.3	122.2	124.6	115.2	9.32	13.361	
1,700.0	1,699.8	1,690.0	1,689.9	5.0	5.0	-167.27	0.1	126.4	133.5	123.8	9.78	13.660	
1,710.0	1,709.8	1,700.0	1,699.8	5.0	5.0	-167.31	0.1	127.1	134.9	125.1	9.83	13.720	
1,800.0	1,799.4	1,784.0	1,783.5	5.2	5.2	-167.70	-0.3	134.2	150.2	139.9	10.32	14.554	
1,805.0	1,804.4	1,788.6	1,788.2	5.3	5.2	-167.73	-0.3	134.7	151.2	140.9	10.35	14.619	
1,900.0	1,898.9	1,876.5	1,875.4	5.5	5.4	-168.14	-0.9	144.8	171.8	161.0	10.80	15.913	
1,995.0	1,993.4	1,963.0	1,961.0	5.7	5.7	-168.39	-1.5	157.4	195.2	183.9	11.27	17.324	
2,000.0	1,998.4	1,967.5	1,965.5	5.7	5.7	-168.40	-1.6	158.2	196.5	185.2	11.29	17.402	
2,090.0	2,087.9	2,048.2	2,044.8	5.9	6.0	-168.52	-2.3	172.4	221.3	209.5	11.75	18.830	
2,100.0	2,097.8	2,057.1	2,053.6	5.9	6.1	-168.53	-2.4	174.1	224.2	212.4	11.80	18.995	
2,185.0	2,182.3	2,131.9	2,126.8	6.2	6.3	-168.57	-3.3	189.5	250.1	237.8	12.25	20.413	
2,200.0	2,197.3	2,144.9	2,139.5	6.2	6.4	-168.58	-3.4	192.3	254.9	242.5	12.33	20.670	
2,280.0	2,276.8	2,215.3	2,207.9	6.4	6.6	-168.57	-4.3	208.8	281.4	268.6	12.76	22.047	
2,300.0	2,296.7	2,234.1	2,226.2	6.5	6.7	-168.56	-4.5	213.4	288.2	275.3	12.88	22.378	
2,375.0	2,371.3	2,304.7	2,294.6	6.7	6.9	-168.55	-5.4	230.4	313.6	300.3	13.32	23.552	
2,400.0	2,396.2	2,328.2	2,317.5	6.8	7.0	-168.54	-5.7	236.1	322.1	308.6	13.47	23.919	
2,470.0	2,465.8	2,394.1	2,381.3	7.0	7.2	-168.53	-6.6	252.0	345.9	332.0	13.90	24.890	
2,500.0	2,495.6	2,422.3	2,408.7	7.1	7.3	-168.53	-6.9	258.8	356.0	341.9	14.08	25.281	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,565.0	2,560.3	2,483.4	2,468.1	7.3	7.5	-168.52	-7.7	273.6	378.1	363.6	14.50	26.079	
2,600.0	2,595.1	2,516.4	2,500.0	7.4	7.6	-168.51	-8.1	281.6	389.9	375.2	14.72	26.486	
2,660.0	2,654.7	2,572.8	2,554.8	7.6	7.8	-168.51	-8.9	295.2	410.3	395.2	15.12	27.139	
2,700.0	2,694.5	2,610.4	2,591.3	7.7	8.0	-168.50	-9.3	304.3	423.9	408.5	15.38	27.552	
2,755.0	2,749.2	2,662.2	2,641.5	7.9	8.2	-168.50	-10.0	316.8	442.5	426.8	15.76	28.084	
2,800.0	2,794.0	2,704.5	2,682.6	8.1	8.3	-168.49	-10.6	327.0	457.8	441.7	16.06	28.499	
2,850.0	2,843.7	2,751.5	2,728.2	8.2	8.5	-168.49	-11.2	338.4	474.7	458.3	16.41	28.929	
2,900.0	2,893.4	2,798.6	2,773.8	8.4	8.7	-168.48	-11.8	349.7	491.7	474.9	16.76	29.340	
2,945.0	2,938.2	2,840.9	2,814.9	8.6	8.9	-168.48	-12.3	360.0	507.0	489.9	17.08	29.686	
3,000.0	2,992.9	2,892.6	2,865.1	8.8	9.1	-168.48	-13.0	372.5	525.6	508.1	17.47	30.089	
3,040.0	3,032.7	2,930.3	2,901.6	8.9	9.2	-168.47	-13.5	381.6	539.2	521.4	17.76	30.365	
3,100.0	3,092.3	2,986.7	2,956.4	9.1	9.4	-168.47	-14.2	395.2	559.5	541.3	18.19	30.759	
3,135.0	3,127.1	3,019.6	2,988.3	9.2	9.6	-168.47	-14.6	403.1	571.4	553.0	18.45	30.976	
3,200.0	3,191.8	3,080.8	3,047.7	9.5	9.8	-168.46	-15.4	417.9	593.4	574.5	18.92	31.360	
3,230.0	3,221.6	3,109.0	3,075.1	9.6	10.0	-168.46	-15.7	424.7	603.6	584.5	19.15	31.527	
3,300.0	3,291.2	3,174.9	3,139.0	9.8	10.2	-168.46	-16.6	440.6	627.4	607.7	19.67	31.899	
3,325.0	3,316.1	3,198.4	3,161.8	9.9	10.3	-168.46	-16.9	446.3	635.8	616.0	19.85	32.026	
3,400.0	3,390.7	3,268.9	3,230.2	10.2	10.6	-168.45	-17.8	463.4	661.3	640.9	20.42	32.386	
3,420.0	3,410.6	3,287.7	3,248.5	10.3	10.7	-168.45	-18.0	467.9	668.1	647.5	20.57	32.478	
3,500.0	3,490.1	3,363.0	3,321.5	10.5	11.0	-168.45	-19.0	486.1	695.2	674.0	21.18	32.826	
3,515.0	3,505.1	3,377.1	3,335.2	10.6	11.1	-168.45	-19.2	489.5	700.3	679.0	21.29	32.888	
3,600.0	3,589.6	3,457.1	3,412.8	10.9	11.4	-168.45	-20.2	508.8	729.1	707.2	21.94	33.225	
3,610.0	3,599.5	3,466.5	3,421.9	11.0	11.5	-168.45	-20.3	511.1	732.5	710.5	22.02	33.263	
3,700.0	3,689.0	3,551.1	3,504.1	11.3	11.9	-168.44	-21.4	531.6	763.0	740.3	22.72	33.588	
3,705.0	3,694.0	3,555.9	3,508.6	11.3	11.9	-168.44	-21.5	532.7	764.7	742.0	22.76	33.605	
3,800.0	3,788.5	3,645.2	3,595.3	11.7	12.3	-168.44	-22.6	554.3	797.0	773.5	23.50	33.918	
3,895.0	3,883.0	3,734.6	3,682.1	12.0	12.7	-168.44	-23.8	575.9	829.2	804.9	24.24	34.206	
3,900.0	3,888.0	3,739.3	3,686.6	12.0	12.7	-168.44	-23.8	577.0	830.9	806.6	24.28	34.221	
3,990.0	3,977.5	3,824.0	3,768.8	12.4	13.1	-168.43	-24.9	597.5	861.4	836.4	24.99	34.471	
4,000.0	3,987.4	3,833.4	3,777.9	12.4	13.1	-168.43	-25.0	599.7	864.8	839.7	25.07	34.498	
4,085.0	4,071.9	3,913.3	3,855.5	12.7	13.5	-168.43	-26.1	619.1	893.6	867.9	25.74	34.715	
4,100.0	4,086.9	3,927.4	3,869.2	12.8	13.5	-168.43	-26.2	622.5	898.7	872.8	25.86	34.752	
4,180.0	4,166.4	4,002.7	3,942.2	13.1	13.9	-168.43	-27.2	640.6	925.8	899.3	26.50	34.941	
4,200.0	4,186.3	4,021.5	3,960.5	13.2	14.0	-168.43	-27.4	645.2	932.6	906.0	26.66	34.986	
4,275.0	4,260.9	4,092.1	4,028.9	13.5	14.3	-168.43	-28.4	662.2	958.1	930.8	27.26	35.150	
4,300.0	4,285.8	4,115.6	4,051.7	13.5	14.4	-168.43	-28.7	667.9	966.5	939.1	27.46	35.202	
4,370.0	4,355.4	4,181.4	4,115.6	13.8	14.7	-168.43	-29.5	683.8	990.3	962.3	28.02	35.343	
4,400.0	4,385.2	4,209.7	4,143.0	13.9	14.8	-168.43	-29.9	690.6	1,000.5	972.2	28.26	35.402	
4,465.0	4,449.9	4,270.8	4,202.3	14.2	15.1	-168.42	-30.6	705.4	1,022.5	993.7	28.78	35.523	
4,500.0	4,484.7	4,303.7	4,234.3	14.3	15.3	-168.42	-31.1	713.4	1,034.4	1,005.3	29.07	35.587	
4,560.0	4,544.3	4,360.2	4,289.1	14.5	15.5	-168.42	-31.8	727.0	1,054.7	1,025.2	29.55	35.691	
4,600.0	4,584.1	4,397.8	4,325.6	14.7	15.7	-168.42	-32.3	736.1	1,068.3	1,038.4	29.88	35.758	
4,655.0	4,638.8	4,449.5	4,375.8	14.9	15.9	-168.42	-32.9	748.6	1,086.9	1,056.6	30.32	35.847	
4,700.0	4,683.6	4,491.9	4,416.8	15.1	16.1	-168.42	-33.5	758.8	1,102.2	1,071.5	30.69	35.918	
4,750.0	4,733.3	4,538.9	4,462.5	15.3	16.4	-168.42	-34.1	770.2	1,119.2	1,088.1	31.09	35.993	
4,800.0	4,783.0	4,585.9	4,508.1	15.5	16.6	-168.42	-34.7	781.6	1,136.1	1,104.6	31.50	36.066	
4,845.0	4,827.8	4,628.3	4,549.2	15.6	16.8	-168.42	-35.2	791.8	1,151.4	1,119.5	31.87	36.130	
4,900.0	4,882.5	4,680.0	4,599.4	15.9	17.0	-168.42	-35.9	804.3	1,170.0	1,137.7	32.32	36.205	
4,935.9	4,918.2	4,713.8	4,632.2	16.0	17.2	-168.42	-36.3	812.4	1,182.2	1,149.6	32.60	36.265	
4,940.0	4,922.3	4,717.6	4,635.9	16.0	17.2	-168.42	-36.4	813.4	1,183.6	1,151.0	32.63	36.271	
5,000.0	4,982.0	4,774.2	4,690.8	16.2	17.5	-168.46	-37.1	827.0	1,203.6	1,170.5	33.11	36.352	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
5,035.0	5,016.8	4,807.3	4,722.9	16.4	17.6	-168.48	-37.5	835.0	1,215.0	1,181.6	33.39	36.387	
5,100.0	5,081.6	4,868.9	4,782.7	16.6	17.9	-168.51	-38.3	849.9	1,235.7	1,201.8	33.92	36.432	
5,130.0	5,111.5	4,897.4	4,810.4	16.7	18.0	-168.52	-38.7	856.8	1,245.0	1,210.9	34.16	36.450	
5,200.0	5,181.4	4,964.2	4,875.1	17.0	18.3	-168.53	-39.5	872.9	1,266.2	1,231.4	34.71	36.473	
5,225.0	5,206.3	4,988.1	4,898.3	17.0	18.5	-168.54	-39.8	878.7	1,273.5	1,238.6	34.91	36.481	
5,300.0	5,281.2	5,059.9	4,968.0	17.3	18.8	-168.54	-40.8	896.1	1,295.0	1,259.5	35.50	36.483	
5,320.0	5,301.2	5,079.1	4,986.6	17.3	18.9	-168.54	-41.0	900.7	1,300.5	1,264.9	35.65	36.484	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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	89.75	0.4	90.0	90.0				
95.0	95.0	94.1	94.1	3.0	3.0	89.75	0.4	90.0	90.0	84.0	6.04	14.912	
100.0	100.0	99.1	99.1	3.0	3.0	89.75	0.4	90.0	90.0	84.0	6.04	14.900	
190.0	190.0	189.1	189.1	3.1	3.1	89.75	0.4	90.0	90.0	83.8	6.25	14.398	
200.0	200.0	199.1	199.1	3.1	3.1	89.75	0.4	90.0	90.0	83.7	6.28	14.321	
285.0	285.0	284.1	284.1	3.3	3.2	89.75	0.4	90.0	90.0	83.5	6.48	13.885	
300.0	300.0	299.1	299.1	3.3	3.3	89.75	0.4	90.0	90.0	83.5	6.52	13.801	
380.0	380.0	379.1	379.1	3.4	3.4	89.75	0.4	90.0	90.0	83.3	6.70	13.431	
400.0	400.0	399.1	399.1	3.4	3.4	89.75	0.4	90.0	90.0	83.3	6.75	13.335	
475.0	475.0	474.1	474.1	3.5	3.5	89.75	0.4	90.0	90.0	83.1	6.91	13.020	
500.0	500.0	499.1	499.1	3.5	3.5	89.75	0.4	90.0	90.0	83.0	6.97	12.913	
570.0	570.0	569.1	569.1	3.6	3.6	89.75	0.4	90.0	90.0	82.9	7.12	12.645	
600.0	600.0	599.1	599.1	3.6	3.6	89.75	0.4	90.0	90.0	82.8	7.18	12.529	
665.0	665.0	664.1	664.1	3.7	3.7	89.75	0.4	90.0	90.0	82.7	7.32	12.300	
700.0	700.0	699.1	699.1	3.8	3.8	89.75	0.4	90.0	90.0	82.6	7.39	12.177	
760.0	760.0	759.1	759.1	3.8	3.8	89.75	0.4	90.0	90.0	82.5	7.51	11.983	
800.0	800.0	799.1	799.1	3.9	3.9	89.75	0.4	90.0	90.0	82.4	7.59	11.853	
855.0	855.0	854.1	854.1	4.0	3.9	89.75	0.4	90.0	90.0	82.3	7.70	11.688	
900.0	900.0	899.1	899.1	4.0	4.0	89.75	0.4	90.0	90.0	82.2	7.79	11.554	
950.0	950.0	949.1	949.1	4.1	4.1	89.75	0.4	90.0	90.0	82.1	7.88	11.415	
1,000.0	1,000.0	999.1	999.1	4.1	4.1	89.75	0.4	90.0	90.0	82.0	7.98	11.276	
1,045.0	1,045.0	1,044.1	1,044.1	4.2	4.2	89.75	0.4	90.0	90.0	81.9	8.06	11.159	
1,100.0	1,100.0	1,099.1	1,099.1	4.2	4.2	89.75	0.4	90.0	90.0	81.8	8.17	11.018	
1,140.0	1,140.0	1,139.1	1,139.1	4.3	4.3	89.75	0.4	90.0	90.0	81.8	8.24	10.921	
1,200.0	1,200.0	1,199.1	1,199.1	4.4	4.4	89.75	0.4	90.0	90.0	81.6	8.35	10.776	
1,235.0	1,235.0	1,234.1	1,234.1	4.4	4.4	89.75	0.4	90.0	90.0	81.6	8.41	10.696	
1,300.0	1,300.0	1,299.1	1,299.1	4.5	4.5	89.75	0.4	90.0	90.0	81.5	8.53	10.550	
1,330.0	1,330.0	1,329.1	1,329.1	4.5	4.5	89.75	0.4	90.0	90.0	81.4	8.58	10.486	
1,400.0	1,400.0	1,399.1	1,399.1	4.6	4.6	89.75	0.4	90.0	90.0	81.3	8.71	10.337	
1,425.0	1,425.0	1,424.1	1,424.1	4.6	4.6	89.75	0.4	90.0	90.0	81.3	8.75	10.287	
1,500.0	1,500.0	1,499.1	1,499.1	4.7	4.7	89.75	0.4	90.0	90.0	81.1	8.88	10.137	CC, ES
1,520.0	1,520.0	1,518.5	1,518.5	4.7	4.7	-166.88	0.4	90.1	90.1	81.2	8.95	10.069	SF
1,600.0	1,600.0	1,596.0	1,596.0	4.8	4.8	-167.02	0.3	91.6	93.4	84.1	9.25	10.093	
1,615.0	1,615.0	1,610.5	1,610.4	4.8	4.8	-167.06	0.2	92.1	94.4	85.1	9.33	10.127	
1,700.0	1,699.8	1,692.2	1,692.0	5.0	5.0	-167.37	-0.1	96.4	103.5	93.7	9.78	10.577	
1,710.0	1,709.8	1,700.0	1,699.8	5.0	5.0	-167.40	-0.2	97.0	104.8	95.0	9.82	10.675	
1,800.0	1,799.4	1,787.0	1,786.5	5.2	5.2	-167.82	-0.7	104.3	120.2	109.9	10.33	11.639	
1,805.0	1,804.4	1,791.8	1,791.3	5.3	5.2	-167.85	-0.8	104.8	121.2	110.9	10.35	11.711	
1,900.0	1,898.9	1,880.4	1,879.3	5.5	5.5	-168.21	-1.6	115.1	141.9	131.1	10.81	13.130	
1,995.0	1,993.4	1,967.8	1,965.8	5.7	5.7	-168.38	-2.6	128.0	165.4	154.1	11.28	14.663	
2,000.0	1,998.4	1,972.4	1,970.3	5.7	5.8	-168.38	-2.7	128.7	166.7	155.4	11.30	14.747	
2,090.0	2,087.9	2,053.8	2,050.4	5.9	6.0	-168.41	-3.8	143.2	191.6	179.8	11.77	16.285	
2,100.0	2,097.8	2,062.8	2,059.2	5.9	6.1	-168.40	-4.0	144.9	194.5	182.7	11.82	16.462	
2,185.0	2,182.3	2,141.2	2,135.9	6.2	6.3	-168.36	-5.2	160.9	220.3	208.0	12.27	17.952	
2,200.0	2,197.3	2,155.5	2,149.9	6.2	6.4	-168.35	-5.5	163.9	224.8	212.5	12.35	18.206	
2,280.0	2,276.8	2,231.7	2,224.4	6.4	6.6	-168.31	-6.7	179.7	249.3	236.5	12.80	19.479	
2,300.0	2,296.7	2,250.7	2,243.0	6.5	6.7	-168.30	-7.0	183.6	255.4	242.5	12.91	19.779	
2,375.0	2,371.3	2,322.1	2,312.9	6.7	6.9	-168.27	-8.2	198.4	278.3	265.0	13.36	20.841	
2,400.0	2,396.2	2,345.9	2,336.2	6.8	7.0	-168.26	-8.6	203.4	286.0	272.5	13.51	21.175	
2,470.0	2,465.8	2,412.6	2,401.4	7.0	7.2	-168.24	-9.7	217.2	307.4	293.4	13.94	22.057	
2,500.0	2,495.6	2,441.1	2,429.3	7.1	7.3	-168.23	-10.2	223.1	316.6	302.4	14.12	22.413	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,565.0	2,560.3	2,503.0	2,489.8	7.3	7.5	-168.21	-11.2	235.9	336.4	321.9	14.54	23.142	
2,600.0	2,595.1	2,536.3	2,522.4	7.4	7.6	-168.20	-11.7	242.8	347.1	332.4	14.76	23.511	
2,660.0	2,654.7	2,593.5	2,578.3	7.6	7.8	-168.19	-12.7	254.7	365.5	350.3	15.16	24.111	
2,700.0	2,694.5	2,631.6	2,615.6	7.7	8.0	-168.18	-13.3	262.6	377.7	362.3	15.42	24.487	
2,755.0	2,749.2	2,683.9	2,666.8	7.9	8.1	-168.17	-14.1	273.4	394.5	378.7	15.80	24.977	
2,800.0	2,794.0	2,726.8	2,708.7	8.1	8.3	-168.16	-14.8	282.3	408.3	392.2	16.10	25.356	
2,850.0	2,843.7	2,774.4	2,755.3	8.2	8.5	-168.15	-15.6	292.2	423.6	407.1	16.45	25.753	
2,900.0	2,893.4	2,822.0	2,801.8	8.4	8.7	-168.14	-16.4	302.0	438.9	422.1	16.79	26.131	
2,945.0	2,938.2	2,864.8	2,843.7	8.6	8.8	-168.14	-17.1	310.9	452.6	435.5	17.11	26.451	
3,000.0	2,992.9	2,917.2	2,895.0	8.8	9.0	-168.13	-18.0	321.8	469.4	451.9	17.50	26.824	
3,040.0	3,032.7	2,955.3	2,932.2	8.9	9.2	-168.13	-18.6	329.7	481.7	463.9	17.79	27.080	
3,100.0	3,092.3	3,012.4	2,988.1	9.1	9.4	-168.12	-19.5	341.5	500.0	481.8	18.22	27.446	
3,135.0	3,127.1	3,045.7	3,020.7	9.2	9.6	-168.11	-20.1	348.4	510.7	492.2	18.47	27.648	
3,200.0	3,191.8	3,107.6	3,081.2	9.5	9.8	-168.11	-21.1	361.2	530.6	511.6	18.95	28.005	
3,230.0	3,221.6	3,136.2	3,109.2	9.6	9.9	-168.10	-21.6	367.2	539.7	520.6	19.17	28.161	
3,300.0	3,291.2	3,202.8	3,174.4	9.8	10.2	-168.10	-22.7	381.0	561.1	541.5	19.68	28.510	
3,325.0	3,316.1	3,226.6	3,197.6	9.9	10.3	-168.10	-23.1	385.9	568.8	548.9	19.87	28.628	
3,400.0	3,390.7	3,298.0	3,267.5	10.2	10.6	-168.09	-24.2	400.7	591.7	571.3	20.43	28.966	
3,420.0	3,410.6	3,317.1	3,286.1	10.3	10.7	-168.09	-24.6	404.6	597.8	577.3	20.58	29.052	
3,500.0	3,490.1	3,393.3	3,360.6	10.5	11.0	-168.08	-25.8	420.4	622.3	601.1	21.18	29.380	
3,515.0	3,505.1	3,407.5	3,374.6	10.6	11.1	-168.08	-26.0	423.4	626.9	605.6	21.29	29.439	
3,600.0	3,589.6	3,488.5	3,453.7	10.9	11.4	-168.07	-27.4	440.2	652.9	630.9	21.94	29.756	
3,610.0	3,599.5	3,498.0	3,463.1	11.0	11.4	-168.07	-27.5	442.1	655.9	633.9	22.02	29.792	
3,700.0	3,689.0	3,583.7	3,546.9	11.3	11.8	-168.07	-28.9	459.9	683.4	660.7	22.71	30.100	
3,705.0	3,694.0	3,588.4	3,551.5	11.3	11.8	-168.07	-29.0	460.9	685.0	662.2	22.74	30.116	
3,800.0	3,788.5	3,678.9	3,640.0	11.7	12.2	-168.06	-30.5	479.6	714.0	690.5	23.48	30.414	
3,895.0	3,883.0	3,769.3	3,728.5	12.0	12.6	-168.06	-32.0	498.4	743.1	718.8	24.21	30.688	
3,900.0	3,888.0	3,774.1	3,733.1	12.0	12.6	-168.06	-32.1	499.4	744.6	720.3	24.25	30.702	
3,990.0	3,977.5	3,859.8	3,817.0	12.4	13.0	-168.05	-33.5	517.1	772.1	747.1	24.95	30.941	
4,000.0	3,987.4	3,869.3	3,826.3	12.4	13.0	-168.05	-33.6	519.1	775.2	750.1	25.03	30.966	
4,085.0	4,071.9	3,950.2	3,905.4	12.7	13.4	-168.05	-35.0	535.9	801.1	775.4	25.70	31.174	
4,100.0	4,086.9	3,964.5	3,919.4	12.8	13.5	-168.05	-35.2	538.8	805.7	779.9	25.82	31.210	
4,180.0	4,166.4	4,040.7	3,993.9	13.1	13.8	-168.04	-36.4	554.6	830.2	803.7	26.45	31.391	
4,200.0	4,186.3	4,059.7	4,012.5	13.2	13.9	-168.04	-36.8	558.6	836.3	809.7	26.60	31.435	
4,275.0	4,260.9	4,131.1	4,082.4	13.5	14.2	-168.04	-37.9	573.4	859.2	832.0	27.20	31.592	
4,300.0	4,285.8	4,154.9	4,105.7	13.5	14.3	-168.04	-38.3	578.3	866.9	839.5	27.40	31.643	
4,370.0	4,355.4	4,221.6	4,170.9	13.8	14.6	-168.04	-39.4	592.1	888.3	860.3	27.95	31.779	
4,400.0	4,385.2	4,250.2	4,198.8	13.9	14.7	-168.03	-39.9	598.0	897.5	869.3	28.19	31.836	
4,465.0	4,449.9	4,312.0	4,259.3	14.2	15.0	-168.03	-40.9	610.9	917.3	888.6	28.71	31.954	
4,500.0	4,484.7	4,345.4	4,291.9	14.3	15.2	-168.03	-41.4	617.8	928.0	899.0	28.99	32.015	
4,560.0	4,544.3	4,402.5	4,347.8	14.5	15.4	-168.03	-42.4	629.6	946.4	916.9	29.47	32.117	
4,600.0	4,584.1	4,440.6	4,385.1	14.7	15.6	-168.03	-43.0	637.5	958.6	928.8	29.79	32.182	
4,655.0	4,638.8	4,492.9	4,436.3	14.9	15.8	-168.03	-43.9	648.3	975.4	945.2	30.23	32.269	
4,700.0	4,683.6	4,535.8	4,478.2	15.1	16.0	-168.02	-44.6	657.2	989.2	958.6	30.59	32.337	
4,750.0	4,733.3	4,583.4	4,524.8	15.3	16.2	-168.02	-45.4	667.1	1,004.5	973.5	30.99	32.411	
4,800.0	4,783.0	4,631.0	4,571.3	15.5	16.4	-168.02	-46.1	677.0	1,019.7	988.4	31.39	32.483	
4,845.0	4,827.8	4,673.8	4,613.2	15.6	16.6	-168.02	-46.8	685.8	1,033.5	1,001.7	31.76	32.545	
4,900.0	4,882.5	4,726.2	4,664.5	15.9	16.9	-168.02	-47.7	696.7	1,050.3	1,018.1	32.20	32.618	
4,935.9	4,918.2	4,760.4	4,697.9	16.0	17.0	-168.02	-48.3	703.8	1,061.3	1,028.8	32.48	32.676	
4,940.0	4,922.3	4,764.3	4,701.7	16.0	17.0	-168.02	-48.3	704.6	1,062.5	1,030.0	32.51	32.682	
5,000.0	4,982.0	4,821.5	4,757.7	16.2	17.3	-168.05	-49.3	716.4	1,080.6	1,047.6	32.98	32.761	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
5,035.0	5,016.8	4,855.0	4,790.4	16.4	17.5	-168.07	-49.8	723.4	1,090.8	1,057.5	33.26	32.794	
5,100.0	5,081.6	4,917.3	4,851.4	16.6	17.7	-168.09	-50.8	736.3	1,109.3	1,075.5	33.78	32.838	
5,130.0	5,111.5	4,946.2	4,879.6	16.7	17.9	-168.10	-51.3	742.3	1,117.6	1,083.5	34.02	32.854	
5,200.0	5,181.4	5,013.6	4,945.5	17.0	18.2	-168.11	-52.4	756.3	1,136.3	1,101.8	34.57	32.875	
5,225.0	5,206.3	5,037.7	4,969.2	17.0	18.3	-168.11	-52.8	761.3	1,142.9	1,108.1	34.76	32.881	
5,300.0	5,281.2	5,110.3	5,040.1	17.3	18.6	-168.10	-54.0	776.3	1,161.8	1,126.4	35.33	32.879	
5,320.0	5,301.2	5,129.7	5,059.1	17.3	18.7	-168.10	-54.3	780.3	1,166.7	1,131.2	35.48	32.879	
5,400.0	5,381.2	5,207.4	5,135.1	17.6	19.1	-168.08	-55.6	796.4	1,185.5	1,149.5	36.08	32.860	
5,415.0	5,396.2	5,222.0	5,149.4	17.6	19.1	-168.07	-55.9	799.4	1,189.0	1,152.8	36.18	32.859	
5,500.0	5,481.2	5,304.9	5,230.5	17.8	19.5	-168.04	-57.2	816.6	1,207.7	1,170.9	36.78	32.835	
5,510.0	5,491.2	5,314.7	5,240.1	17.9	19.6	-168.03	-57.4	818.7	1,209.8	1,172.9	36.83	32.843	
5,535.8	5,517.0	5,339.9	5,264.8	17.9	19.7	88.61	-57.8	823.9	1,215.2	1,178.2	36.98	32.862	
5,600.0	5,581.2	5,402.7	5,326.2	17.9	20.0	88.67	-58.8	836.9	1,228.4	1,191.2	37.29	32.947	
5,605.0	5,586.2	5,407.6	5,330.9	17.9	20.0	88.68	-58.9	837.9	1,229.5	1,192.2	37.31	32.953	
5,700.0	5,681.2	5,500.5	5,421.8	17.9	20.4	88.77	-60.4	857.2	1,249.1	1,211.3	37.78	33.059	
5,795.0	5,776.2	5,593.4	5,512.7	18.0	20.8	88.86	-62.0	876.4	1,268.8	1,230.5	38.26	33.162	
5,800.0	5,781.2	5,598.3	5,517.5	18.0	20.9	88.86	-62.0	877.4	1,269.8	1,231.5	38.29	33.167	
5,890.0	5,871.2	5,686.4	5,603.6	18.0	21.3	88.94	-63.5	895.7	1,288.4	1,249.7	38.74	33.261	
5,900.0	5,881.2	5,696.2	5,613.2	18.0	21.3	88.95	-63.6	897.7	1,290.5	1,251.7	38.79	33.272	
5,985.0	5,966.2	5,779.3	5,694.5	18.0	21.7	89.03	-65.0	914.9	1,308.1	1,268.9	39.21	33.358	
6,000.0	5,981.2	5,794.0	5,708.9	18.0	21.8	89.04	-65.3	918.0	1,311.2	1,271.9	39.29	33.372	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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	89.85	0.2	60.2	60.2				
95.0	95.0	94.4	94.4	3.0	3.0	89.85	0.2	60.2	60.2	54.1	6.04	9.971	
100.0	100.0	99.4	99.4	3.0	3.0	89.85	0.2	60.2	60.2	54.1	6.04	9.963	
190.0	190.0	189.4	189.4	3.1	3.1	89.85	0.2	60.2	60.2	53.9	6.25	9.627	
200.0	200.0	199.4	199.4	3.1	3.1	89.85	0.2	60.2	60.2	53.9	6.29	9.575	
285.0	285.0	284.4	284.4	3.3	3.2	89.85	0.2	60.2	60.2	53.7	6.48	9.284	
300.0	300.0	299.4	299.4	3.3	3.3	89.85	0.2	60.2	60.2	53.7	6.52	9.228	
380.0	380.0	379.4	379.4	3.4	3.4	89.85	0.2	60.2	60.2	53.5	6.70	8.981	
400.0	400.0	399.4	399.4	3.4	3.4	89.85	0.2	60.2	60.2	53.4	6.75	8.916	
475.0	475.0	474.4	474.4	3.5	3.5	89.85	0.2	60.2	60.2	53.3	6.91	8.706	
500.0	500.0	499.4	499.4	3.5	3.5	89.85	0.2	60.2	60.2	53.2	6.97	8.634	
570.0	570.0	569.4	569.4	3.6	3.6	89.85	0.2	60.2	60.2	53.1	7.12	8.455	
600.0	600.0	599.4	599.4	3.6	3.6	89.85	0.2	60.2	60.2	53.0	7.18	8.377	
665.0	665.0	664.4	664.4	3.7	3.7	89.85	0.2	60.2	60.2	52.9	7.32	8.224	
700.0	700.0	699.4	699.4	3.8	3.8	89.85	0.2	60.2	60.2	52.8	7.39	8.142	
760.0	760.0	759.4	759.4	3.8	3.8	89.85	0.2	60.2	60.2	52.7	7.51	8.012	
800.0	800.0	799.4	799.4	3.9	3.9	89.85	0.2	60.2	60.2	52.6	7.59	7.926	
855.0	855.0	854.4	854.4	4.0	3.9	89.85	0.2	60.2	60.2	52.5	7.70	7.815	
900.0	900.0	899.4	899.4	4.0	4.0	89.85	0.2	60.2	60.2	52.4	7.79	7.725	
950.0	950.0	949.4	949.4	4.1	4.1	89.85	0.2	60.2	60.2	52.3	7.88	7.632	
1,000.0	1,000.0	999.4	999.4	4.1	4.1	89.85	0.2	60.2	60.2	52.2	7.98	7.540	
1,045.0	1,045.0	1,044.4	1,044.4	4.2	4.2	89.85	0.2	60.2	60.2	52.1	8.07	7.462	
1,100.0	1,100.0	1,099.4	1,099.4	4.2	4.2	89.85	0.2	60.2	60.2	52.0	8.17	7.367	
1,140.0	1,140.0	1,139.4	1,139.4	4.3	4.3	89.85	0.2	60.2	60.2	51.9	8.24	7.302	
1,200.0	1,200.0	1,199.4	1,199.4	4.4	4.4	89.85	0.2	60.2	60.2	51.8	8.35	7.205	
1,235.0	1,235.0	1,234.4	1,234.4	4.4	4.4	89.85	0.2	60.2	60.2	51.8	8.41	7.152	
1,300.0	1,300.0	1,299.4	1,299.4	4.5	4.5	89.85	0.2	60.2	60.2	51.6	8.53	7.054	
1,330.0	1,330.0	1,329.4	1,329.4	4.5	4.5	89.85	0.2	60.2	60.2	51.6	8.58	7.011	
1,400.0	1,400.0	1,399.4	1,399.4	4.6	4.6	89.85	0.2	60.2	60.2	51.5	8.71	6.912	
1,425.0	1,425.0	1,424.4	1,424.4	4.6	4.6	89.85	0.2	60.2	60.2	51.4	8.75	6.878	
1,500.0	1,500.0	1,499.4	1,499.4	4.7	4.7	89.85	0.2	60.2	60.2	51.3	8.88	6.778	CC, ES
1,520.0	1,520.0	1,519.0	1,519.0	4.7	4.7	-166.78	0.2	60.2	60.3	51.4	8.95	6.737	
1,600.0	1,600.0	1,597.3	1,597.2	4.8	4.8	-166.89	-0.1	61.8	63.5	54.3	9.25	6.870	
1,615.0	1,615.0	1,611.9	1,611.9	4.8	4.8	-166.92	-0.2	62.3	64.6	55.3	9.33	6.929	
1,700.0	1,699.8	1,694.5	1,694.3	5.0	5.0	-167.16	-0.8	66.7	73.7	63.9	9.78	7.530	
1,710.0	1,709.8	1,704.1	1,703.9	5.0	5.0	-167.19	-0.9	67.4	75.0	65.2	9.84	7.628	
1,800.0	1,799.4	1,790.3	1,789.8	5.2	5.2	-167.47	-2.0	74.7	90.4	80.1	10.33	8.754	
1,805.0	1,804.4	1,795.1	1,794.5	5.3	5.2	-167.48	-2.1	75.2	91.5	81.1	10.36	8.832	
1,900.0	1,898.9	1,886.0	1,884.9	5.5	5.4	-167.65	-3.6	85.6	111.9	101.2	10.68	10.475	
1,995.0	1,993.4	1,978.6	1,976.8	5.7	5.6	-167.74	-5.3	96.8	132.9	121.8	11.12	11.957	
2,000.0	1,998.4	1,983.5	1,981.7	5.7	5.6	-167.74	-5.4	97.4	134.0	122.9	11.14	12.031	
2,090.0	2,087.9	2,071.3	2,068.8	5.9	5.8	-167.79	-6.9	108.0	153.9	142.3	11.59	13.278	
2,100.0	2,097.8	2,081.1	2,078.5	5.9	5.8	-167.80	-7.1	109.2	156.1	144.5	11.64	13.409	
2,185.0	2,182.3	2,163.9	2,160.7	6.2	6.1	-167.84	-8.6	119.2	174.9	162.8	12.09	14.460	
2,200.0	2,197.3	2,178.6	2,175.3	6.2	6.1	-167.84	-8.9	120.9	178.2	166.0	12.18	14.636	
2,280.0	2,276.8	2,256.6	2,252.7	6.4	6.3	-167.87	-10.3	130.3	195.9	183.3	12.62	15.516	
2,300.0	2,296.7	2,276.1	2,272.1	6.5	6.4	-167.88	-10.6	132.7	200.3	187.6	12.74	15.725	
2,375.0	2,371.3	2,349.3	2,344.7	6.7	6.6	-167.90	-11.9	141.5	216.9	203.7	13.18	16.460	
2,400.0	2,396.2	2,373.6	2,368.9	6.8	6.7	-167.91	-12.4	144.4	222.4	209.1	13.32	16.692	
2,470.0	2,465.8	2,441.9	2,436.6	7.0	6.9	-167.93	-13.6	152.7	237.9	224.1	13.75	17.303	
2,500.0	2,495.6	2,471.2	2,465.7	7.1	7.0	-167.93	-14.1	156.2	244.5	230.6	13.93	17.551	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
2,565.0	2,560.3	2,534.6	2,528.6	7.3	7.2	-167.94	-15.2	163.8	258.9	244.5	14.34	18.056	
2,600.0	2,595.1	2,568.7	2,562.5	7.4	7.3	-167.95	-15.8	167.9	266.6	252.0	14.56	18.315	
2,660.0	2,654.7	2,627.2	2,620.5	7.6	7.5	-167.96	-16.9	175.0	279.8	264.9	14.94	18.732	
2,700.0	2,694.5	2,666.2	2,659.3	7.7	7.6	-167.97	-17.6	179.7	288.7	273.5	15.20	18.995	
2,755.0	2,749.2	2,719.9	2,712.5	7.9	7.8	-167.98	-18.6	186.2	300.8	285.3	15.56	19.337	
2,800.0	2,794.0	2,763.7	2,756.1	8.1	8.0	-167.98	-19.3	191.5	310.8	294.9	15.85	19.603	
2,850.0	2,843.7	2,812.5	2,804.5	8.2	8.1	-167.99	-20.2	197.3	321.8	305.6	16.19	19.882	
2,900.0	2,893.4	2,861.3	2,852.9	8.4	8.3	-167.99	-21.1	203.2	332.9	316.3	16.52	20.147	
2,945.0	2,938.2	2,905.2	2,896.4	8.6	8.5	-168.00	-21.9	208.5	342.8	326.0	16.83	20.374	
3,000.0	2,992.9	2,958.8	2,949.7	8.8	8.7	-168.00	-22.8	215.0	355.0	337.8	17.20	20.636	
3,040.0	3,032.7	2,997.8	2,988.4	8.9	8.8	-168.01	-23.5	219.7	363.8	346.3	17.48	20.817	
3,100.0	3,092.3	3,056.3	3,046.5	9.1	9.0	-168.01	-24.6	226.7	377.1	359.2	17.89	21.076	
3,135.0	3,127.1	3,090.5	3,080.3	9.2	9.1	-168.02	-25.2	230.9	384.8	366.7	18.13	21.219	
3,200.0	3,191.8	3,153.9	3,143.3	9.5	9.4	-168.02	-26.3	238.5	399.2	380.6	18.59	21.473	
3,230.0	3,221.6	3,183.1	3,172.3	9.6	9.5	-168.02	-26.9	242.0	405.8	387.0	18.80	21.584	
3,300.0	3,291.2	3,251.4	3,240.1	9.8	9.7	-168.03	-28.1	250.3	421.3	402.0	19.29	21.832	
3,325.0	3,316.1	3,275.8	3,264.3	9.9	9.8	-168.03	-28.5	253.2	426.8	407.3	19.47	21.917	
3,400.0	3,390.7	3,348.9	3,336.9	10.2	10.1	-168.04	-29.8	262.0	443.4	423.3	20.01	22.159	
3,420.0	3,410.6	3,368.4	3,356.2	10.3	10.2	-168.04	-30.2	264.4	447.8	427.6	20.15	22.220	
3,500.0	3,490.1	3,446.4	3,433.7	10.5	10.5	-168.04	-31.6	273.8	465.4	444.7	20.73	22.456	
3,515.0	3,505.1	3,461.1	3,448.2	10.6	10.5	-168.04	-31.8	275.5	468.8	447.9	20.84	22.498	
3,600.0	3,589.6	3,544.0	3,530.5	10.9	10.9	-168.05	-33.3	285.5	487.5	466.1	21.45	22.727	
3,610.0	3,599.5	3,553.7	3,540.2	11.0	10.9	-168.05	-33.5	286.7	489.8	468.2	21.52	22.753	
3,700.0	3,689.0	3,641.5	3,627.3	11.3	11.2	-168.05	-35.1	297.3	509.6	487.5	22.18	22.976	
3,705.0	3,694.0	3,646.4	3,632.1	11.3	11.2	-168.05	-35.2	297.9	510.7	488.5	22.22	22.987	
3,800.0	3,788.5	3,739.0	3,724.1	11.7	11.6	-168.06	-36.8	309.0	531.7	508.8	22.92	23.203	
3,895.0	3,883.0	3,831.7	3,816.0	12.0	12.0	-168.06	-38.5	320.2	552.7	529.1	23.62	23.403	
3,900.0	3,888.0	3,836.6	3,820.9	12.0	12.0	-168.06	-38.6	320.8	553.8	530.2	23.66	23.413	
3,990.0	3,977.5	3,924.3	3,908.0	12.4	12.3	-168.07	-40.1	331.4	573.7	549.4	24.32	23.587	
4,000.0	3,987.4	3,934.1	3,917.7	12.4	12.4	-168.07	-40.3	332.6	575.9	551.5	24.40	23.606	
4,085.0	4,071.9	4,017.0	4,000.0	12.7	12.7	-168.07	-41.8	342.6	594.7	569.7	25.03	23.758	
4,100.0	4,086.9	4,031.6	4,014.5	12.8	12.7	-168.07	-42.1	344.3	598.0	572.9	25.14	23.784	
4,180.0	4,166.4	4,109.6	4,091.9	13.1	13.1	-168.07	-43.4	353.7	615.7	590.0	25.74	23.917	
4,200.0	4,186.3	4,129.1	4,111.3	13.2	13.1	-168.07	-43.8	356.1	620.1	594.2	25.89	23.950	
4,275.0	4,260.9	4,202.3	4,183.9	13.5	13.4	-168.08	-45.1	364.9	636.7	610.2	26.46	24.066	
4,300.0	4,285.8	4,226.7	4,208.1	13.5	13.5	-168.08	-45.5	367.8	642.2	615.6	26.64	24.103	
4,370.0	4,355.4	4,294.9	4,275.8	13.8	13.8	-168.08	-46.8	376.1	657.7	630.5	27.17	24.204	
4,400.0	4,385.2	4,324.2	4,304.9	13.9	13.9	-168.08	-47.3	379.6	664.3	636.9	27.40	24.245	
4,465.0	4,449.9	4,387.6	4,367.8	14.2	14.2	-168.08	-48.4	387.2	678.7	650.8	27.89	24.333	
4,500.0	4,484.7	4,421.7	4,401.7	14.3	14.3	-168.08	-49.0	391.4	686.4	658.2	28.16	24.378	
4,560.0	4,544.3	4,480.2	4,459.8	14.5	14.5	-168.08	-50.1	398.4	699.7	671.1	28.61	24.453	
4,600.0	4,584.1	4,519.3	4,498.5	14.7	14.7	-168.08	-50.8	403.1	708.5	679.6	28.92	24.502	
4,655.0	4,638.8	4,572.9	4,551.7	14.9	14.9	-168.09	-51.7	409.6	720.7	691.3	29.34	24.566	
4,700.0	4,683.6	4,616.8	4,595.3	15.1	15.1	-168.09	-52.5	414.9	730.6	700.9	29.68	24.618	
4,750.0	4,733.3	4,665.6	4,643.7	15.3	15.3	-168.09	-53.4	420.7	741.6	711.6	30.06	24.673	
4,800.0	4,783.0	4,714.3	4,692.1	15.5	15.5	-168.09	-54.3	426.6	752.7	722.3	30.44	24.726	
4,845.0	4,827.8	4,758.2	4,735.6	15.6	15.6	-168.09	-55.1	431.9	762.6	731.9	30.79	24.772	
4,900.0	4,882.5	4,811.8	4,788.9	15.9	15.9	-168.09	-56.0	438.4	774.8	743.6	31.21	24.828	
4,935.9	4,918.2	4,846.9	4,823.6	16.0	16.0	-168.09	-56.7	442.6	782.7	751.3	31.47	24.872	
4,940.0	4,922.3	4,850.9	4,827.6	16.0	16.0	-168.09	-56.7	443.1	783.6	752.1	31.50	24.876	
5,000.0	4,982.0	4,909.4	4,885.8	16.2	16.3	-168.12	-57.8	450.2	796.5	764.6	31.95	24.933	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
5,035.0	5,016.8	4,943.7	4,919.8	16.4	16.4	-168.13	-58.4	454.3	803.8	771.6	32.21	24.954	
5,100.0	5,081.6	5,007.4	4,983.0	16.6	16.7	-168.13	-59.5	462.0	816.7	784.0	32.70	24.975	
5,130.0	5,111.5	5,036.8	5,012.2	16.7	16.8	-168.13	-60.1	465.5	822.5	789.5	32.92	24.981	
5,200.0	5,181.4	5,105.7	5,080.5	17.0	17.1	-168.12	-61.3	473.8	835.3	801.8	33.44	24.976	
5,225.0	5,206.3	5,130.3	5,104.9	17.0	17.2	-168.11	-61.7	476.8	839.6	806.0	33.62	24.972	
5,300.0	5,281.2	5,204.2	5,178.3	17.3	17.5	-168.08	-63.1	485.7	852.1	817.9	34.16	24.941	
5,320.0	5,301.2	5,224.0	5,197.9	17.3	17.5	-168.07	-63.4	488.1	855.3	820.9	34.30	24.933	
5,400.0	5,381.2	5,303.1	5,276.4	17.6	17.9	-168.02	-64.8	497.6	867.2	832.4	34.86	24.878	
5,415.0	5,396.2	5,317.9	5,291.2	17.6	17.9	-168.01	-65.1	499.4	869.4	834.4	34.96	24.870	
5,500.0	5,481.2	5,402.1	5,374.8	17.8	18.3	-167.93	-66.6	509.6	880.7	845.2	35.51	24.802	
5,510.0	5,491.2	5,412.0	5,384.6	17.9	18.3	-167.92	-66.8	510.7	882.0	846.4	35.56	24.803	
5,535.8	5,517.0	5,437.7	5,410.0	17.9	18.4	88.73	-67.2	513.8	885.1	849.4	35.69	24.802	
5,600.0	5,581.2	5,501.4	5,473.3	17.9	18.7	88.81	-68.4	521.5	892.8	856.9	35.96	24.829	
5,605.0	5,586.2	5,506.3	5,478.2	17.9	18.7	88.82	-68.5	522.1	893.4	857.4	35.98	24.830	
5,700.0	5,681.2	5,600.6	5,571.8	17.9	19.1	88.94	-70.2	533.5	904.9	868.4	36.40	24.857	
5,795.0	5,776.2	5,694.9	5,665.4	18.0	19.5	89.06	-71.8	544.9	916.3	879.5	36.82	24.883	
5,800.0	5,781.2	5,699.9	5,670.3	18.0	19.5	89.07	-71.9	545.4	916.9	880.0	36.85	24.884	
5,890.0	5,871.2	5,789.2	5,759.0	18.0	19.8	89.18	-73.5	556.2	927.7	890.5	37.25	24.907	
5,900.0	5,881.2	5,799.1	5,768.8	18.0	19.9	89.19	-73.7	557.4	928.9	891.6	37.29	24.910	
5,985.0	5,966.2	5,883.5	5,852.6	18.0	20.2	89.29	-75.2	567.6	939.1	901.5	37.67	24.931	
6,000.0	5,981.2	5,898.4	5,867.3	18.0	20.3	89.31	-75.5	569.4	940.9	903.2	37.74	24.935	
6,080.0	6,061.2	5,987.4	5,955.7	18.1	20.6	89.41	-77.0	579.8	950.3	912.2	38.14	24.915	
6,100.0	6,081.2	6,011.1	5,979.3	18.1	20.7	89.44	-77.4	582.4	952.5	914.2	38.25	24.899	
6,175.0	6,156.2	6,100.5	6,068.2	18.1	21.1	89.52	-78.7	591.2	959.9	921.2	38.67	24.823	
6,200.0	6,181.2	6,130.3	6,098.0	18.1	21.2	89.55	-79.1	593.9	962.1	923.3	38.80	24.795	
6,270.0	6,251.2	6,214.1	6,181.4	18.2	21.5	89.61	-80.1	600.5	967.6	928.4	39.17	24.706	
6,300.0	6,281.2	6,250.0	6,217.2	18.2	21.6	89.63	-80.5	602.9	969.7	930.4	39.31	24.664	
6,365.0	6,346.2	6,327.9	6,295.0	18.2	21.9	89.67	-81.1	607.5	973.5	933.8	39.63	24.567	
6,400.0	6,381.2	6,370.0	6,337.0	18.2	22.1	89.69	-81.4	609.5	975.2	935.4	39.79	24.511	
6,460.0	6,441.2	6,442.0	6,409.1	18.2	22.3	89.72	-81.9	612.3	977.5	937.4	40.04	24.412	
6,500.0	6,481.2	6,490.1	6,457.1	18.2	22.4	89.73	-82.1	613.7	978.6	938.4	40.20	24.341	
6,555.0	6,536.2	6,556.3	6,523.3	18.3	22.6	89.74	-82.2	614.9	979.6	939.2	40.39	24.253	
6,600.0	6,581.2	6,610.5	6,577.4	18.3	22.7	89.74	-82.3	615.3	980.0	939.4	40.52	24.183	
6,650.0	6,631.2	6,663.6	6,630.6	18.3	22.7	89.74	-82.3	615.3	980.0	939.4	40.56	24.159	
6,700.0	6,681.2	6,713.6	6,680.6	18.3	22.8	89.74	-82.3	615.3	980.0	939.4	40.60	24.140	
6,745.0	6,726.2	6,758.6	6,725.6	18.3	22.8	89.74	-82.3	615.3	980.0	939.4	40.63	24.121	
6,800.0	6,781.2	6,813.6	6,780.6	18.4	22.8	89.74	-82.3	615.3	980.0	939.3	40.67	24.098	
6,840.0	6,821.2	6,853.6	6,820.6	18.4	22.8	89.74	-82.3	615.3	980.0	939.3	40.70	24.081	
6,900.0	6,881.2	6,913.6	6,880.6	18.4	22.8	89.74	-82.3	615.3	980.0	939.2	40.74	24.055	
6,935.0	6,916.2	6,948.6	6,915.6	18.4	22.8	89.74	-82.3	615.3	980.0	939.2	40.76	24.040	
7,000.0	6,981.2	7,013.6	6,980.6	18.4	22.8	89.74	-82.3	615.3	980.0	939.2	40.81	24.012	
7,030.0	7,011.2	7,043.6	7,010.6	18.5	22.9	89.74	-82.3	615.3	980.0	939.1	40.83	23.999	
7,100.0	7,081.2	7,113.6	7,080.6	18.5	22.9	89.74	-82.3	615.3	980.0	939.1	40.89	23.969	
7,125.0	7,106.2	7,138.6	7,105.6	18.5	22.9	89.74	-82.3	615.3	980.0	939.1	40.90	23.958	
7,200.0	7,181.2	7,213.6	7,180.6	18.5	22.9	89.74	-82.3	615.3	980.0	939.0	40.96	23.925	
7,220.0	7,201.2	7,233.6	7,200.6	18.5	22.9	89.74	-82.3	615.3	980.0	939.0	40.97	23.917	
7,300.0	7,281.2	7,313.6	7,280.6	18.6	22.9	89.74	-82.3	615.3	980.0	938.9	41.03	23.882	
7,315.0	7,296.2	7,328.6	7,295.6	18.6	22.9	89.74	-82.3	615.3	980.0	938.9	41.05	23.875	
7,400.0	7,381.2	7,413.6	7,380.6	18.6	23.0	89.74	-82.3	615.3	980.0	938.9	41.11	23.838	
7,410.0	7,391.2	7,423.6	7,390.6	18.6	23.0	89.74	-82.3	615.3	980.0	938.9	41.12	23.834	
7,500.0	7,481.2	7,513.6	7,480.6	18.7	23.0	89.74	-82.3	615.3	980.0	938.8	41.18	23.795	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
7,505.0	7,486.2	7,518.6	7,485.6	18.7	23.0	89.74	-82.3	615.3	980.0	938.8	41.19	23.792	
7,600.0	7,581.2	7,613.6	7,580.6	18.7	23.0	89.74	-82.3	615.3	980.0	938.7	41.26	23.751	
7,695.0	7,676.2	7,708.6	7,675.6	18.7	23.1	89.74	-82.3	615.3	980.0	938.6	41.33	23.709	
7,700.0	7,681.2	7,713.6	7,680.6	18.7	23.1	89.74	-82.3	615.3	980.0	938.6	41.34	23.707	
7,790.0	7,771.2	7,803.6	7,770.6	18.8	23.1	89.74	-82.3	615.3	980.0	938.6	41.41	23.667	
7,800.0	7,781.2	7,813.6	7,780.6	18.8	23.1	89.74	-82.3	615.3	980.0	938.6	41.41	23.663	
7,885.0	7,866.2	7,898.6	7,865.6	18.8	23.1	89.74	-82.3	615.3	980.0	938.5	41.48	23.625	
7,900.0	7,881.2	7,913.6	7,880.6	18.8	23.1	89.74	-82.3	615.3	980.0	938.5	41.49	23.618	
7,980.0	7,961.2	7,993.6	7,960.6	18.9	23.2	89.74	-82.3	615.3	980.0	938.4	41.55	23.583	
8,000.0	7,981.2	8,013.6	7,980.6	18.9	23.2	89.74	-82.3	615.3	980.0	938.4	41.57	23.574	
8,075.0	8,056.2	8,088.6	8,055.6	18.9	23.2	89.74	-82.3	615.3	980.0	938.4	41.63	23.541	
8,100.0	8,081.2	8,113.6	8,080.6	18.9	23.2	89.74	-82.3	615.3	980.0	938.3	41.65	23.530	
8,170.0	8,151.2	8,183.6	8,150.6	19.0	23.2	89.74	-82.3	615.3	980.0	938.3	41.70	23.498	
8,200.0	8,181.2	8,213.6	8,180.6	19.0	23.2	89.74	-82.3	615.3	980.0	938.3	41.73	23.485	
8,265.0	8,246.2	8,278.6	8,245.6	19.0	23.3	89.74	-82.3	615.3	980.0	938.2	41.78	23.456	
8,300.0	8,281.2	8,313.6	8,280.6	19.0	23.3	89.74	-82.3	615.3	980.0	938.2	41.81	23.440	
8,360.0	8,341.2	8,373.6	8,340.6	19.0	23.3	89.74	-82.3	615.3	980.0	938.1	41.86	23.414	
8,400.0	8,381.2	8,413.6	8,380.6	19.1	23.3	89.74	-82.3	615.3	980.0	938.1	41.89	23.396	
8,455.0	8,436.2	8,468.6	8,435.6	19.1	23.3	89.74	-82.3	615.3	980.0	938.0	41.93	23.371	
8,500.0	8,481.2	8,513.6	8,480.6	19.1	23.3	89.74	-82.3	615.3	980.0	938.0	41.97	23.351	
8,550.0	8,531.2	8,563.6	8,530.6	19.1	23.4	89.74	-82.3	615.3	980.0	938.0	42.01	23.328	
8,600.0	8,581.2	8,613.6	8,580.6	19.1	23.4	89.74	-82.3	615.3	980.0	937.9	42.05	23.306	
8,645.0	8,626.2	8,658.6	8,625.6	19.2	23.4	89.74	-82.3	615.3	980.0	937.9	42.09	23.286	
8,700.0	8,681.2	8,713.6	8,680.6	19.2	23.4	89.74	-82.3	615.3	980.0	937.8	42.13	23.261	
8,740.0	8,721.2	8,753.6	8,720.6	19.2	23.4	89.74	-82.3	615.3	980.0	937.8	42.16	23.243	
8,800.0	8,781.2	8,813.6	8,780.6	19.2	23.4	89.74	-82.3	615.3	980.0	937.8	42.21	23.216	
8,835.0	8,816.2	8,848.6	8,815.6	19.3	23.5	89.74	-82.3	615.3	980.0	937.7	42.24	23.200	
8,900.0	8,881.2	8,913.6	8,880.6	19.3	23.5	89.74	-82.3	615.3	980.0	937.7	42.29	23.171	
8,930.0	8,911.2	8,943.6	8,910.6	19.3	23.5	89.74	-82.3	615.3	980.0	937.7	42.32	23.157	
9,000.0	8,981.2	9,013.6	8,980.6	19.3	23.5	89.74	-82.3	615.3	980.0	937.6	42.38	23.125	
9,025.0	9,006.2	9,038.6	9,005.6	19.3	23.5	89.74	-82.3	615.3	980.0	937.6	42.40	23.114	
9,100.0	9,081.2	9,113.6	9,080.6	19.4	23.5	89.74	-82.3	615.3	980.0	937.5	42.46	23.080	
9,120.0	9,101.2	9,133.6	9,100.6	19.4	23.6	89.74	-82.3	615.3	980.0	937.5	42.48	23.071	
9,200.0	9,181.2	9,213.6	9,180.6	19.4	23.6	89.74	-82.3	615.3	980.0	937.4	42.54	23.034	
9,215.0	9,196.2	9,228.6	9,195.6	19.4	23.6	89.74	-82.3	615.3	980.0	937.4	42.56	23.028	
9,300.0	9,281.2	9,313.6	9,280.6	19.5	23.6	89.74	-82.3	615.3	980.0	937.4	42.63	22.989	
9,310.0	9,291.2	9,323.6	9,290.6	19.5	23.6	89.74	-82.3	615.3	980.0	937.3	42.64	22.984	
9,400.0	9,381.2	9,413.6	9,380.6	19.5	23.7	89.74	-82.3	615.3	980.0	937.3	42.71	22.943	
9,405.0	9,386.2	9,418.6	9,385.6	19.5	23.7	89.74	-82.3	615.3	980.0	937.3	42.72	22.941	
9,500.0	9,481.2	9,513.6	9,480.6	19.6	23.7	89.74	-82.3	615.3	980.0	937.2	42.80	22.898	
9,595.0	9,576.2	9,608.6	9,575.6	19.6	23.7	89.74	-82.3	615.3	980.0	937.1	42.88	22.854	
9,600.0	9,581.2	9,613.6	9,580.6	19.6	23.7	89.74	-82.3	615.3	980.0	937.1	42.88	22.852	
9,690.0	9,671.2	9,703.6	9,670.6	19.7	23.8	89.74	-82.3	615.3	980.0	937.0	42.96	22.811	
9,700.0	9,681.2	9,713.6	9,680.6	19.7	23.8	89.74	-82.3	615.3	980.0	937.0	42.97	22.806	
9,785.0	9,766.2	9,798.6	9,765.6	19.7	23.8	89.74	-82.3	615.3	980.0	936.9	43.04	22.767	
9,800.0	9,781.2	9,813.6	9,780.6	19.7	23.8	89.74	-82.3	615.3	980.0	936.9	43.06	22.761	
9,880.0	9,861.2	9,893.6	9,860.6	19.8	23.8	89.74	-82.3	615.3	980.0	936.9	43.13	22.724	
9,900.0	9,881.2	9,913.6	9,880.6	19.8	23.8	89.74	-82.3	615.3	980.0	936.8	43.14	22.715	
9,938.9	9,920.0	9,952.5	9,919.4	19.8	23.8	89.74	-82.3	615.3	980.0	936.8	43.16	22.705	
9,950.0	9,931.2	9,963.6	9,930.6	19.8	23.9	89.88	-82.3	615.3	980.0	936.8	43.17	22.703	
9,975.0	9,956.2	9,988.6	9,955.5	19.8	23.9	89.93	-82.1	615.3	980.0	936.8	43.17	22.699	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
10,000.0	9,981.1	10,013.5	9,980.4	19.8	23.9	89.98	-81.0	615.3	980.0	936.8	43.18	22.695	
10,007.3	9,988.3	10,020.8	9,987.7	19.8	23.8	90.00	-80.4	615.3	980.0	936.8	43.18	22.694	
10,050.0	10,030.5	10,063.5	10,030.1	19.8	23.8	90.09	-75.3	615.3	980.0	936.8	43.20	22.687	
10,070.0	10,050.0	10,083.6	10,049.9	19.8	23.8	90.14	-71.9	615.3	980.0	936.8	43.20	22.685	
10,100.0	10,079.1	10,113.7	10,079.3	19.8	23.8	90.20	-65.4	615.3	980.0	936.8	43.21	22.681	
10,150.0	10,126.4	10,164.1	10,127.6	19.8	23.8	90.31	-51.1	615.2	980.0	936.8	43.22	22.676	
10,165.0	10,140.4	10,179.2	10,141.8	19.8	23.8	90.35	-46.0	615.2	980.0	936.8	43.22	22.675	
10,200.0	10,172.2	10,214.6	10,174.6	19.8	23.8	90.42	-32.6	615.2	980.0	936.8	43.23	22.671	
10,250.0	10,216.1	10,265.3	10,219.9	19.8	23.8	90.52	-9.9	615.2	980.0	936.8	43.24	22.667	
10,260.0	10,224.6	10,275.4	10,228.7	19.8	23.8	90.54	-4.9	615.1	980.0	936.8	43.24	22.666	
10,300.0	10,257.7	10,316.1	10,263.1	19.9	23.8	90.62	16.8	615.1	980.0	936.8	43.25	22.662	
10,350.0	10,296.8	10,367.1	10,304.0	19.9	23.8	90.72	47.3	615.0	980.1	936.8	43.26	22.655	
10,355.0	10,300.5	10,372.2	10,307.9	19.9	23.8	90.73	50.5	615.0	980.1	936.8	43.26	22.654	
10,400.0	10,333.0	10,418.3	10,342.1	19.9	23.8	90.81	81.4	614.9	980.1	936.8	43.28	22.646	
10,450.0	10,366.0	10,469.5	10,377.0	19.9	23.8	90.89	118.9	614.9	980.1	936.8	43.30	22.633	
10,500.0	10,395.7	10,520.9	10,408.6	20.0	23.8	90.97	159.5	614.8	980.1	936.8	43.34	22.617	
10,545.0	10,419.3	10,567.3	10,433.8	20.0	23.8	91.03	198.3	614.7	980.1	936.8	43.37	22.597	
10,550.0	10,421.7	10,572.5	10,436.4	20.0	23.8	91.04	202.8	614.7	980.1	936.8	43.38	22.594	
10,600.0	10,443.9	10,624.1	10,460.3	20.0	23.8	91.10	248.5	614.6	980.2	936.7	43.43	22.566	
10,640.0	10,458.8	10,665.5	10,476.5	20.1	23.9	91.14	286.6	614.5	980.2	936.7	43.49	22.539	
10,650.0	10,462.2	10,675.8	10,480.1	20.1	23.9	91.15	296.3	614.5	980.2	936.7	43.50	22.532	
10,700.0	10,476.3	10,727.6	10,495.4	20.1	23.9	91.19	345.8	614.3	980.2	936.6	43.58	22.490	
10,735.0	10,483.6	10,763.9	10,503.5	20.2	23.9	91.22	381.2	614.3	980.2	936.5	43.65	22.455	
10,750.0	10,486.1	10,779.5	10,506.2	20.2	23.9	91.23	396.5	614.2	980.2	936.5	43.68	22.440	
10,800.0	10,491.7	10,831.4	10,512.4	20.3	24.0	91.25	448.0	614.1	980.2	936.4	43.79	22.383	
10,830.0	10,492.9	10,862.6	10,513.9	20.3	24.0	91.26	479.2	614.0	980.2	936.3	43.87	22.346	
10,837.2	10,493.0	10,870.1	10,514.0	20.3	24.0	91.26	486.7	614.0	980.2	936.3	43.88	22.337	
10,900.0	10,493.2	10,933.0	10,514.2	20.4	24.1	91.26	549.5	613.9	980.2	936.2	44.04	22.257	
10,925.0	10,493.2	10,958.0	10,514.3	20.5	24.1	91.27	574.5	613.8	980.2	936.1	44.11	22.220	
11,000.0	10,493.5	11,033.0	10,514.6	20.6	24.2	91.27	649.5	613.7	980.2	935.9	44.34	22.107	
11,020.0	10,493.5	11,053.0	10,514.6	20.7	24.2	91.27	669.5	613.6	980.2	935.8	44.41	22.073	
11,100.0	10,493.7	11,133.0	10,514.9	20.8	24.3	91.27	749.5	613.4	980.2	935.5	44.69	21.935	
11,115.0	10,493.8	11,148.0	10,515.0	20.9	24.4	91.27	764.5	613.4	980.2	935.5	44.75	21.907	
11,200.0	10,494.0	11,233.0	10,515.3	21.1	24.5	91.28	849.5	613.2	980.2	935.1	45.08	21.742	
11,210.0	10,494.1	11,243.0	10,515.3	21.1	24.5	91.28	859.5	613.2	980.2	935.1	45.13	21.721	
11,300.0	10,494.3	11,333.0	10,515.6	21.3	24.7	91.28	949.5	613.0	980.2	934.7	45.53	21.530	
11,305.0	10,494.3	11,338.0	10,515.6	21.4	24.7	91.28	954.5	613.0	980.2	934.7	45.55	21.518	
11,400.0	10,494.6	11,433.0	10,516.0	21.6	24.9	91.28	1,049.5	612.8	980.2	934.2	46.02	21.300	
11,495.0	10,494.9	11,528.0	10,516.3	21.9	25.1	91.29	1,144.5	612.5	980.2	933.7	46.53	21.067	
11,500.0	10,494.9	11,533.0	10,516.3	21.9	25.1	91.29	1,149.5	612.5	980.2	933.7	46.56	21.055	
11,590.0	10,495.1	11,623.0	10,516.6	22.2	25.3	91.29	1,239.5	612.3	980.2	933.2	47.08	20.823	
11,600.0	10,495.2	11,633.0	10,516.7	22.3	25.4	91.29	1,249.5	612.3	980.2	933.1	47.13	20.796	
11,685.0	10,495.4	11,718.0	10,517.0	22.6	25.6	91.30	1,334.5	612.1	980.2	932.6	47.66	20.567	
11,700.0	10,495.4	11,733.0	10,517.0	22.6	25.6	91.30	1,349.5	612.1	980.2	932.5	47.76	20.526	
11,780.0	10,495.7	11,813.0	10,517.3	22.9	25.8	91.30	1,429.5	611.9	980.2	931.9	48.28	20.303	
11,800.0	10,495.7	11,833.0	10,517.4	23.0	25.9	91.30	1,449.5	611.8	980.2	931.8	48.42	20.246	
11,875.0	10,495.9	11,908.0	10,517.6	23.3	26.1	91.30	1,524.5	611.7	980.2	931.3	48.94	20.030	
11,900.0	10,496.0	11,933.0	10,517.7	23.4	26.2	91.30	1,549.5	611.6	980.2	931.1	49.11	19.958	
11,970.0	10,496.2	12,003.0	10,518.0	23.7	26.4	91.31	1,619.5	611.5	980.2	930.6	49.63	19.752	
12,000.0	10,496.3	12,033.0	10,518.1	23.8	26.5	91.31	1,649.5	611.4	980.2	930.4	49.85	19.663	
12,065.0	10,496.5	12,098.0	10,518.3	24.1	26.7	91.31	1,714.5	611.2	980.2	929.9	50.35	19.469	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
12,100.0	10,496.6	12,133.0	10,518.4	24.2	26.9	91.31	1,749.5	611.2	980.2	929.6	50.62	19.364	
12,160.0	10,496.7	12,193.0	10,518.6	24.5	27.1	91.32	1,809.5	611.0	980.2	929.1	51.10	19.182	
12,200.0	10,496.8	12,233.0	10,518.8	24.6	27.2	91.32	1,849.5	610.9	980.2	928.8	51.43	19.061	
12,255.0	10,497.0	12,288.0	10,519.0	24.9	27.4	91.32	1,904.5	610.8	980.2	928.4	51.88	18.893	
12,300.0	10,497.1	12,333.0	10,519.1	25.1	27.6	91.32	1,949.5	610.7	980.2	928.0	52.26	18.756	
12,350.0	10,497.3	12,383.0	10,519.3	25.3	27.8	91.32	1,999.5	610.6	980.2	927.5	52.69	18.603	
12,400.0	10,497.4	12,433.0	10,519.5	25.6	28.0	91.32	2,049.5	610.5	980.2	927.1	53.13	18.450	
12,445.0	10,497.5	12,478.0	10,519.6	25.8	28.2	91.33	2,094.5	610.4	980.2	926.7	53.53	18.312	
12,500.0	10,497.7	12,533.0	10,519.8	26.0	28.4	91.33	2,149.5	610.3	980.2	926.2	54.03	18.144	
12,540.0	10,497.8	12,573.0	10,520.0	26.2	28.5	91.33	2,189.5	610.2	980.2	925.8	54.39	18.022	
12,600.0	10,498.0	12,633.0	10,520.2	26.5	28.8	91.33	2,249.5	610.0	980.2	925.3	54.95	17.839	
12,635.0	10,498.1	12,668.0	10,520.3	26.7	28.9	91.33	2,284.5	610.0	980.2	925.0	55.28	17.732	
12,700.0	10,498.3	12,733.0	10,520.5	27.1	29.2	91.34	2,349.5	609.8	980.2	924.3	55.90	17.536	
12,730.0	10,498.3	12,763.0	10,520.6	27.2	29.4	91.34	2,379.5	609.7	980.2	924.1	56.19	17.445	
12,800.0	10,498.5	12,833.0	10,520.9	27.6	29.7	91.34	2,449.5	609.6	980.2	923.4	56.87	17.236	
12,825.0	10,498.6	12,858.0	10,521.0	27.7	29.8	91.34	2,474.5	609.5	980.2	923.1	57.12	17.161	
12,900.0	10,498.8	12,933.0	10,521.2	28.1	30.1	91.34	2,549.5	609.4	980.2	922.4	57.87	16.938	
12,920.0	10,498.9	12,953.0	10,521.3	28.2	30.2	91.35	2,569.5	609.3	980.2	922.2	58.07	16.879	
13,000.0	10,499.1	13,033.0	10,521.6	28.7	30.6	91.35	2,649.5	609.1	980.2	921.4	58.89	16.645	
13,015.0	10,499.1	13,048.0	10,521.6	28.7	30.7	91.35	2,664.5	609.1	980.2	921.2	59.05	16.601	
13,100.0	10,499.4	13,133.0	10,521.9	29.2	31.1	91.35	2,749.5	608.9	980.3	920.3	59.93	16.355	
13,110.0	10,499.4	13,143.0	10,522.0	29.3	31.1	91.35	2,759.5	608.9	980.3	920.2	60.04	16.327	
13,200.0	10,499.7	13,233.0	10,522.3	29.8	31.6	91.36	2,849.5	608.7	980.3	919.3	61.00	16.071	
13,205.0	10,499.7	13,238.0	10,522.3	29.8	31.6	91.36	2,854.5	608.7	980.3	919.2	61.05	16.056	
13,300.0	10,499.9	13,333.0	10,522.6	30.3	32.1	91.36	2,949.5	608.4	980.3	918.2	62.08	15.791	
13,395.0	10,500.2	13,428.0	10,523.0	30.9	32.5	91.36	3,044.5	608.2	980.3	917.1	63.12	15.529	
13,400.0	10,500.2	13,433.0	10,523.0	30.9	32.6	91.36	3,049.5	608.2	980.3	917.1	63.18	15.516	
13,490.0	10,500.5	13,523.0	10,523.3	31.5	33.0	91.37	3,139.5	608.0	980.3	916.1	64.18	15.273	
13,500.0	10,500.5	13,533.0	10,523.3	31.5	33.1	91.37	3,149.5	608.0	980.3	916.0	64.30	15.246	
13,585.0	10,500.8	13,618.0	10,523.6	32.0	33.5	91.37	3,234.5	607.8	980.3	915.0	65.26	15.021	
13,600.0	10,500.8	13,633.0	10,523.7	32.1	33.6	91.37	3,249.5	607.8	980.3	914.8	65.43	14.982	
13,680.0	10,501.0	13,713.0	10,524.0	32.6	34.1	91.38	3,329.5	607.6	980.3	913.9	66.35	14.775	
13,700.0	10,501.1	13,733.0	10,524.0	32.7	34.2	91.38	3,349.5	607.5	980.3	913.7	66.58	14.723	
13,775.0	10,501.3	13,808.0	10,524.3	33.2	34.6	91.38	3,424.5	607.4	980.3	912.8	67.45	14.533	
13,800.0	10,501.4	13,833.0	10,524.4	33.3	34.7	91.38	3,449.5	607.3	980.3	912.5	67.74	14.470	
13,870.0	10,501.6	13,903.0	10,524.6	33.8	35.1	91.38	3,519.5	607.2	980.3	911.7	68.57	14.297	
13,900.0	10,501.6	13,933.0	10,524.7	33.9	35.3	91.38	3,549.5	607.1	980.3	911.3	68.92	14.223	
13,965.0	10,501.8	13,998.0	10,525.0	34.3	35.6	91.39	3,614.5	606.9	980.3	910.6	69.69	14.065	
14,000.0	10,501.9	14,033.0	10,525.1	34.6	35.8	91.39	3,649.5	606.9	980.3	910.2	70.11	13.981	
14,060.0	10,502.1	14,093.0	10,525.3	34.9	36.2	91.39	3,709.5	606.7	980.3	909.4	70.83	13.839	
14,100.0	10,502.2	14,133.0	10,525.4	35.2	36.4	91.39	3,749.5	606.6	980.3	909.0	71.32	13.745	
14,155.0	10,502.4	14,188.0	10,525.6	35.5	36.7	91.40	3,804.5	606.5	980.3	908.3	71.98	13.618	
14,200.0	10,502.5	14,233.0	10,525.8	35.8	37.0	91.40	3,849.5	606.4	980.3	907.7	72.53	13.515	
14,250.0	10,502.6	14,283.0	10,526.0	36.1	37.3	91.40	3,899.5	606.3	980.3	907.1	73.15	13.402	
14,300.0	10,502.8	14,333.0	10,526.1	36.5	37.6	91.40	3,949.5	606.2	980.3	906.5	73.76	13.290	
14,345.0	10,502.9	14,378.0	10,526.3	36.7	37.8	91.40	3,994.5	606.1	980.3	906.0	74.32	13.190	
14,400.0	10,503.1	14,433.0	10,526.5	37.1	38.1	91.40	4,049.5	605.9	980.3	905.3	75.00	13.070	
14,440.0	10,503.2	14,473.0	10,526.6	37.4	38.4	91.41	4,089.5	605.9	980.3	904.8	75.50	12.984	
14,500.0	10,503.3	14,533.0	10,526.8	37.7	38.7	91.41	4,149.5	605.7	980.3	904.0	76.25	12.856	
14,535.0	10,503.4	14,568.0	10,527.0	38.0	39.0	91.41	4,184.5	605.6	980.3	903.6	76.69	12.783	
14,600.0	10,503.6	14,633.0	10,527.2	38.4	39.3	91.41	4,249.5	605.5	980.3	902.8	77.51	12.648	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
14,630.0	10,503.7	14,663.0	10,527.3	38.6	39.5	91.41	4,279.5	605.4	980.3	902.4	77.89	12.586	
14,700.0	10,503.9	14,733.0	10,527.5	39.1	40.0	91.42	4,349.5	605.3	980.3	901.5	78.78	12.444	
14,725.0	10,504.0	14,758.0	10,527.6	39.2	40.1	91.42	4,374.5	605.2	980.3	901.2	79.09	12.394	
14,800.0	10,504.2	14,833.0	10,527.9	39.7	40.6	91.42	4,449.5	605.0	980.3	900.2	80.05	12.245	
14,820.0	10,504.2	14,853.0	10,528.0	39.8	40.7	91.42	4,469.5	605.0	980.3	900.0	80.31	12.206	
14,900.0	10,504.5	14,933.0	10,528.2	40.4	41.2	91.42	4,549.5	604.8	980.3	898.9	81.34	12.052	
14,915.0	10,504.5	14,948.0	10,528.3	40.5	41.3	91.43	4,564.5	604.8	980.3	898.7	81.53	12.023	
15,000.0	10,504.7	15,033.0	10,528.6	41.0	41.8	91.43	4,649.5	604.6	980.3	897.6	82.63	11.863	
15,010.0	10,504.8	15,043.0	10,528.6	41.1	41.9	91.43	4,659.5	604.6	980.3	897.5	82.76	11.844	
15,100.0	10,505.0	15,133.0	10,528.9	41.7	42.4	91.43	4,749.5	604.4	980.3	896.3	83.93	11.679	
15,105.0	10,505.0	15,138.0	10,529.0	41.7	42.5	91.43	4,754.5	604.4	980.3	896.3	84.00	11.670	
15,200.0	10,505.3	15,233.0	10,529.3	42.4	43.1	91.44	4,849.5	604.1	980.3	895.0	85.24	11.500	
15,295.0	10,505.6	15,328.0	10,529.6	43.0	43.7	91.44	4,944.5	603.9	980.3	893.8	86.49	11.334	
15,300.0	10,505.6	15,333.0	10,529.6	43.1	43.7	91.44	4,949.5	603.9	980.3	893.7	86.56	11.325	
15,390.0	10,505.8	15,423.0	10,530.0	43.7	44.3	91.44	5,039.5	603.7	980.3	892.5	87.75	11.171	
15,400.0	10,505.9	15,433.0	10,530.0	43.7	44.3	91.44	5,049.5	603.7	980.3	892.4	87.88	11.154	
15,485.0	10,506.1	15,518.0	10,530.3	44.3	44.9	91.45	5,134.5	603.5	980.3	891.3	89.01	11.013	
15,500.0	10,506.2	15,533.0	10,530.3	44.4	45.0	91.45	5,149.5	603.5	980.3	891.1	89.21	10.988	
15,580.0	10,506.4	15,613.0	10,530.6	45.0	45.5	91.45	5,229.5	603.3	980.3	890.0	90.28	10.858	
15,600.0	10,506.4	15,633.0	10,530.7	45.1	45.6	91.45	5,249.5	603.2	980.3	889.7	90.55	10.826	
15,675.0	10,506.6	15,708.0	10,531.0	45.6	46.1	91.46	5,324.5	603.1	980.3	888.7	91.56	10.707	
15,700.0	10,506.7	15,733.0	10,531.0	45.8	46.3	91.46	5,349.5	603.0	980.3	888.4	91.89	10.668	
15,770.0	10,506.9	15,803.0	10,531.3	46.3	46.7	91.46	5,419.5	602.8	980.3	887.5	92.83	10.560	
15,800.0	10,507.0	15,833.0	10,531.4	46.5	46.9	91.46	5,449.5	602.8	980.3	887.1	93.24	10.514	
15,865.0	10,507.2	15,898.0	10,531.6	46.9	47.4	91.46	5,514.5	602.6	980.3	886.2	94.12	10.416	
15,900.0	10,507.3	15,933.0	10,531.7	47.2	47.6	91.46	5,549.5	602.5	980.3	885.7	94.59	10.363	
15,960.0	10,507.5	15,993.0	10,532.0	47.6	48.0	91.47	5,609.5	602.4	980.3	884.9	95.41	10.275	
16,000.0	10,507.6	16,033.0	10,532.1	47.9	48.3	91.47	5,649.5	602.3	980.3	884.4	95.95	10.217	
16,055.0	10,507.7	16,088.0	10,532.3	48.3	48.6	91.47	5,704.5	602.2	980.3	883.6	96.70	10.138	
16,100.0	10,507.8	16,133.0	10,532.4	48.6	48.9	91.47	5,749.5	602.1	980.3	883.0	97.31	10.074	
16,150.0	10,508.0	16,183.0	10,532.6	48.9	49.3	91.47	5,799.5	602.0	980.3	882.3	98.00	10.003	
16,200.0	10,508.1	16,233.0	10,532.8	49.3	49.6	91.48	5,849.5	601.9	980.3	881.6	98.68	9.934	
16,245.0	10,508.3	16,278.0	10,533.0	49.6	49.9	91.48	5,894.5	601.8	980.3	881.0	99.30	9.872	
16,300.0	10,508.4	16,333.0	10,533.1	50.0	50.3	91.48	5,949.5	601.6	980.3	880.3	100.05	9.798	
16,340.0	10,508.5	16,373.0	10,533.3	50.3	50.5	91.48	5,989.5	601.6	980.3	879.7	100.60	9.744	
16,400.0	10,508.7	16,433.0	10,533.5	50.7	50.9	91.48	6,049.5	601.4	980.3	878.9	101.43	9.665	
16,435.0	10,508.8	16,468.0	10,533.6	50.9	51.2	91.49	6,084.5	601.3	980.3	878.4	101.91	9.619	
16,500.0	10,509.0	16,533.0	10,533.8	51.4	51.6	91.49	6,149.5	601.2	980.3	877.5	102.81	9.535	
16,530.0	10,509.1	16,563.0	10,534.0	51.6	51.8	91.49	6,179.5	601.1	980.3	877.1	103.23	9.497	
16,600.0	10,509.3	16,633.0	10,534.2	52.1	52.3	91.49	6,249.5	601.0	980.3	876.1	104.20	9.408	
16,625.0	10,509.3	16,658.0	10,534.3	52.3	52.4	91.49	6,274.5	600.9	980.3	875.8	104.54	9.377	
16,700.0	10,509.5	16,733.0	10,534.5	52.8	53.0	91.50	6,349.5	600.7	980.3	874.7	105.59	9.285	
16,720.0	10,509.6	16,753.0	10,534.6	52.9	53.1	91.50	6,369.5	600.7	980.3	874.4	105.86	9.260	
16,800.0	10,509.8	16,833.0	10,534.9	53.5	53.6	91.50	6,449.5	600.5	980.3	873.3	106.98	9.164	
16,815.0	10,509.9	16,848.0	10,535.0	53.6	53.7	91.50	6,464.5	600.5	980.3	873.1	107.19	9.146	
16,900.0	10,510.1	16,933.0	10,535.2	54.2	54.3	91.50	6,549.5	600.3	980.3	871.9	108.38	9.046	
16,910.0	10,510.1	16,943.0	10,535.3	54.3	54.4	91.51	6,559.5	600.3	980.3	871.8	108.51	9.034	
17,000.0	10,510.4	17,033.0	10,535.6	54.9	55.0	91.51	6,649.5	600.1	980.3	870.5	109.77	8.930	
17,005.0	10,510.4	17,038.0	10,535.6	55.0	55.0	91.51	6,654.5	600.0	980.3	870.5	109.85	8.925	
17,100.0	10,510.7	17,133.0	10,536.0	55.6	55.7	91.51	6,749.5	599.8	980.3	869.1	111.18	8.818	
17,195.0	10,510.9	17,228.0	10,536.3	56.3	56.3	91.52	6,844.5	599.6	980.3	867.8	112.51	8.713	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
17,200.0	10,510.9	17,233.0	10,536.3	56.4	56.4	91.52	6,849.5	599.6	980.3	867.7	112.58	8.707	
17,290.0	10,511.2	17,323.0	10,536.6	57.0	57.0	91.52	6,939.5	599.4	980.3	866.5	113.85	8.610	
17,300.0	10,511.2	17,333.0	10,536.7	57.1	57.1	91.52	6,949.5	599.4	980.3	866.3	113.99	8.600	
17,385.0	10,511.5	17,418.0	10,537.0	57.7	57.7	91.52	7,034.5	599.2	980.3	865.1	115.19	8.510	
17,400.0	10,511.5	17,433.0	10,537.0	57.8	57.8	91.52	7,049.5	599.1	980.3	864.9	115.41	8.495	
17,480.0	10,511.7	17,513.0	10,537.3	58.4	58.3	91.53	7,129.5	599.0	980.3	863.8	116.54	8.412	
17,500.0	10,511.8	17,533.0	10,537.4	58.5	58.5	91.53	7,149.5	598.9	980.3	863.5	116.82	8.392	
17,575.0	10,512.0	17,608.0	10,537.6	59.0	59.0	91.53	7,224.5	598.7	980.3	862.4	117.89	8.316	
17,600.0	10,512.1	17,633.0	10,537.7	59.2	59.2	91.53	7,249.5	598.7	980.3	862.1	118.24	8.291	
17,670.0	10,512.3	17,703.0	10,537.9	59.7	59.6	91.54	7,319.5	598.5	980.3	861.1	119.23	8.222	
17,700.0	10,512.4	17,733.0	10,538.1	59.9	59.9	91.54	7,349.5	598.5	980.3	860.7	119.66	8.193	
17,765.0	10,512.5	17,798.0	10,538.3	60.4	60.3	91.54	7,414.5	598.3	980.3	859.7	120.59	8.130	
17,800.0	10,512.6	17,833.0	10,538.4	60.7	60.6	91.54	7,449.5	598.2	980.3	859.2	121.08	8.096	
17,860.0	10,512.8	17,893.0	10,538.6	61.1	61.0	91.54	7,509.5	598.1	980.3	858.4	121.94	8.039	
17,900.0	10,512.9	17,933.0	10,538.8	61.4	61.3	91.54	7,549.5	598.0	980.3	857.8	122.51	8.002	
17,955.0	10,513.1	17,988.0	10,538.9	61.8	61.6	91.55	7,604.5	597.9	980.3	857.0	123.30	7.951	
18,000.0	10,513.2	18,033.0	10,539.1	62.1	62.0	91.55	7,649.5	597.8	980.3	856.4	123.94	7.910	
18,050.0	10,513.3	18,083.0	10,539.3	62.5	62.3	91.55	7,699.5	597.7	980.3	855.7	124.65	7.864	
18,100.0	10,513.5	18,133.0	10,539.5	62.8	62.7	91.55	7,749.5	597.6	980.3	855.0	125.37	7.820	
18,145.0	10,513.6	18,178.0	10,539.6	63.2	63.0	91.55	7,794.5	597.5	980.3	854.3	126.01	7.780	
18,200.0	10,513.8	18,233.0	10,539.8	63.6	63.4	91.56	7,849.5	597.3	980.3	853.5	126.80	7.731	
18,240.0	10,513.9	18,273.0	10,539.9	63.9	63.7	91.56	7,889.5	597.2	980.3	853.0	127.38	7.696	
18,300.0	10,514.1	18,333.0	10,540.2	64.3	64.1	91.56	7,949.5	597.1	980.3	852.1	128.24	7.645	
18,335.0	10,514.2	18,368.0	10,540.3	64.5	64.3	91.56	7,984.5	597.0	980.3	851.6	128.74	7.615	
18,400.0	10,514.3	18,433.0	10,540.5	65.0	64.8	91.56	8,049.5	596.9	980.3	850.7	129.67	7.560	
18,430.0	10,514.4	18,463.0	10,540.6	65.2	65.0	91.57	8,079.5	596.8	980.3	850.2	130.11	7.535	
18,500.0	10,514.6	18,533.0	10,540.9	65.7	65.5	91.57	8,149.5	596.7	980.3	849.2	131.11	7.477	
18,525.0	10,514.7	18,558.0	10,540.9	65.9	65.7	91.57	8,174.5	596.6	980.3	848.9	131.47	7.457	
18,600.0	10,514.9	18,633.0	10,541.2	66.5	66.2	91.57	8,249.5	596.4	980.3	847.8	132.56	7.396	
18,620.0	10,515.0	18,653.0	10,541.3	66.6	66.4	91.57	8,269.5	596.4	980.3	847.5	132.84	7.380	
18,700.0	10,515.2	18,733.0	10,541.6	67.2	66.9	91.58	8,349.5	596.2	980.3	846.4	134.00	7.316	
18,715.0	10,515.2	18,748.0	10,541.6	67.3	67.0	91.58	8,364.5	596.2	980.3	846.1	134.21	7.304	
18,800.0	10,515.5	18,833.0	10,541.9	67.9	67.6	91.58	8,449.5	596.0	980.4	844.9	135.44	7.238	
18,810.0	10,515.5	18,843.0	10,541.9	68.0	67.7	91.58	8,459.5	595.9	980.4	844.8	135.59	7.230	
18,900.0	10,515.7	18,933.0	10,542.3	68.7	68.4	91.58	8,549.5	595.7	980.4	843.5	136.89	7.162	
18,905.0	10,515.8	18,938.0	10,542.3	68.7	68.4	91.59	8,554.5	595.7	980.4	843.4	136.96	7.158	
19,000.0	10,516.0	19,033.0	10,542.6	69.4	69.1	91.59	8,649.5	595.5	980.4	842.0	138.34	7.087	
19,095.0	10,516.3	19,128.0	10,542.9	70.1	69.7	91.59	8,744.5	595.3	980.4	840.6	139.72	7.017	
19,100.0	10,516.3	19,133.0	10,543.0	70.1	69.8	91.59	8,749.5	595.3	980.4	840.6	139.79	7.013	
19,190.0	10,516.6	19,223.0	10,543.3	70.8	70.4	91.60	8,839.5	595.1	980.4	839.3	141.09	6.948	
19,200.0	10,516.6	19,233.0	10,543.3	70.9	70.5	91.60	8,849.5	595.1	980.4	839.1	141.24	6.941	
19,285.0	10,516.8	19,318.0	10,543.6	71.5	71.1	91.60	8,934.5	594.9	980.4	837.9	142.48	6.881	
19,300.0	10,516.9	19,333.0	10,543.7	71.6	71.2	91.60	8,949.5	594.8	980.4	837.7	142.69	6.870	
19,380.0	10,517.1	19,413.0	10,543.9	72.2	71.8	91.60	9,029.5	594.7	980.4	836.5	143.86	6.815	
19,400.0	10,517.2	19,433.0	10,544.0	72.3	71.9	91.61	9,049.5	594.6	980.4	836.2	144.15	6.801	
19,475.0	10,517.4	19,508.0	10,544.3	72.9	72.5	91.61	9,124.5	594.4	980.4	835.1	145.24	6.750	
19,500.0	10,517.4	19,533.0	10,544.4	73.1	72.7	91.61	9,149.5	594.4	980.4	834.8	145.60	6.733	
19,570.0	10,517.6	19,603.0	10,544.6	73.6	73.2	91.61	9,219.5	594.2	980.4	833.7	146.62	6.686	
19,600.0	10,517.7	19,633.0	10,544.7	73.8	73.4	91.61	9,249.5	594.2	980.4	833.3	147.06	6.666	
19,665.0	10,517.9	19,698.0	10,544.9	74.3	73.8	91.62	9,314.5	594.0	980.4	832.4	148.01	6.624	
19,700.0	10,518.0	19,733.0	10,545.1	74.5	74.1	91.62	9,349.5	593.9	980.4	831.8	148.52	6.601	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
19,760.0	10,518.2	19,793.0	10,545.3	75.0	74.5	91.62	9,409.5	593.8	980.4	831.0	149.40	6.562	
19,800.0	10,518.3	19,833.0	10,545.4	75.3	74.8	91.62	9,449.5	593.7	980.4	830.4	149.98	6.537	
19,855.0	10,518.4	19,888.0	10,545.6	75.7	75.2	91.62	9,504.5	593.6	980.4	829.6	150.79	6.502	
19,900.0	10,518.6	19,933.0	10,545.8	76.0	75.5	91.63	9,549.5	593.5	980.4	828.9	151.44	6.474	
19,950.0	10,518.7	19,983.0	10,545.9	76.4	75.9	91.63	9,599.4	593.4	980.4	828.2	152.17	6.442	
20,000.0	10,518.8	20,033.0	10,546.1	76.7	76.3	91.63	9,649.4	593.2	980.4	827.5	152.91	6.412	
20,045.0	10,519.0	20,078.0	10,546.3	77.1	76.6	91.63	9,694.4	593.1	980.4	826.8	153.56	6.384	
20,100.0	10,519.1	20,133.0	10,546.5	77.5	77.0	91.63	9,749.4	593.0	980.4	826.0	154.37	6.351	
20,140.0	10,519.2	20,173.0	10,546.6	77.8	77.3	91.63	9,789.4	592.9	980.4	825.4	154.96	6.327	
20,200.0	10,519.4	20,233.0	10,546.8	78.2	77.7	91.64	9,849.4	592.8	980.4	824.5	155.84	6.291	
20,235.0	10,519.5	20,268.0	10,546.9	78.5	78.0	91.64	9,884.4	592.7	980.4	824.0	156.35	6.270	
20,300.0	10,519.7	20,333.0	10,547.2	79.0	78.4	91.64	9,949.4	592.6	980.4	823.1	157.30	6.232	
20,330.0	10,519.8	20,363.0	10,547.3	79.2	78.7	91.64	9,979.4	592.5	980.4	822.6	157.74	6.215	
20,400.0	10,520.0	20,433.0	10,547.5	79.7	79.2	91.65	10,049.4	592.3	980.4	821.6	158.77	6.175	
20,425.0	10,520.0	20,458.0	10,547.6	79.9	79.4	91.65	10,074.4	592.3	980.4	821.2	159.14	6.161	
20,500.0	10,520.3	20,533.0	10,547.9	80.4	79.9	91.65	10,149.4	592.1	980.4	820.1	160.24	6.118	
20,520.0	10,520.3	20,553.0	10,547.9	80.6	80.0	91.65	10,169.4	592.1	980.4	819.9	160.53	6.107	
20,600.0	10,520.5	20,633.0	10,548.2	81.2	80.6	91.65	10,249.4	591.9	980.4	818.7	161.71	6.063	
20,615.0	10,520.6	20,648.0	10,548.3	81.3	80.7	91.65	10,264.4	591.9	980.4	818.5	161.93	6.054	
20,700.0	10,520.8	20,733.0	10,548.6	81.9	81.4	91.66	10,349.4	591.7	980.4	817.2	163.18	6.008	
20,710.0	10,520.9	20,743.0	10,548.6	82.0	81.4	91.66	10,359.4	591.6	980.4	817.1	163.33	6.003	
20,800.0	10,521.1	20,833.0	10,548.9	82.7	82.1	91.66	10,449.4	591.4	980.4	815.7	164.65	5.954	
20,805.0	10,521.1	20,838.0	10,548.9	82.7	82.1	91.66	10,454.4	591.4	980.4	815.7	164.73	5.952	
20,900.0	10,521.4	20,933.0	10,549.3	83.4	82.8	91.67	10,549.4	591.2	980.4	814.3	166.12	5.902	
20,995.0	10,521.7	21,028.0	10,549.6	84.1	83.5	91.67	10,644.4	591.0	980.4	812.9	167.53	5.852	
21,000.0	10,521.7	21,033.0	10,549.6	84.1	83.6	91.67	10,649.4	591.0	980.4	812.8	167.60	5.850	
21,090.0	10,521.9	21,123.0	10,549.9	84.8	84.2	91.67	10,739.4	590.8	980.4	811.5	168.93	5.804	
21,100.0	10,522.0	21,133.0	10,550.0	84.9	84.3	91.67	10,749.4	590.8	980.4	811.3	169.07	5.799	
21,185.0	10,522.2	21,218.0	10,550.3	85.5	84.9	91.68	10,834.4	590.6	980.4	810.1	170.33	5.756	
21,200.0	10,522.2	21,233.0	10,550.3	85.6	85.0	91.68	10,849.4	590.5	980.4	809.8	170.55	5.748	
21,280.0	10,522.5	21,313.0	10,550.6	86.2	85.6	91.68	10,929.4	590.3	980.4	808.7	171.73	5.709	
21,300.0	10,522.5	21,333.0	10,550.7	86.4	85.7	91.68	10,949.4	590.3	980.4	808.4	172.03	5.699	
21,375.0	10,522.7	21,408.0	10,550.9	86.9	86.3	91.68	11,024.4	590.1	980.4	807.3	173.13	5.663	
21,400.0	10,522.8	21,433.0	10,551.0	87.1	86.5	91.69	11,049.4	590.1	980.4	806.9	173.50	5.651	
21,470.0	10,523.0	21,503.0	10,551.3	87.6	87.0	91.69	11,119.4	589.9	980.4	805.9	174.54	5.617	
21,500.0	10,523.1	21,533.0	10,551.4	87.9	87.2	91.69	11,149.4	589.8	980.4	805.4	174.98	5.603	
21,565.0	10,523.3	21,598.0	10,551.6	88.3	87.7	91.69	11,214.4	589.7	980.4	804.5	175.94	5.572	
21,600.0	10,523.4	21,633.0	10,551.7	88.6	87.9	91.69	11,249.4	589.6	980.4	803.9	176.46	5.556	
21,660.0	10,523.5	21,693.0	10,551.9	89.1	88.4	91.70	11,309.4	589.5	980.4	803.1	177.35	5.528	
21,700.0	10,523.6	21,733.0	10,552.1	89.4	88.7	91.70	11,349.4	589.4	980.4	802.5	177.94	5.510	
21,755.0	10,523.8	21,788.0	10,552.3	89.8	89.1	91.70	11,404.4	589.3	980.4	801.7	178.76	5.485	
21,800.0	10,523.9	21,833.0	10,552.4	90.1	89.4	91.70	11,449.4	589.2	980.4	801.0	179.42	5.464	
21,850.0	10,524.1	21,883.0	10,552.6	90.5	89.8	91.70	11,499.4	589.1	980.4	800.2	180.16	5.442	
21,900.0	10,524.2	21,933.0	10,552.8	90.8	90.2	91.71	11,549.4	588.9	980.4	799.5	180.90	5.420	
21,945.0	10,524.3	21,978.0	10,552.9	91.2	90.5	91.71	11,594.4	588.8	980.4	798.8	181.57	5.400	
22,000.0	10,524.5	22,033.0	10,553.1	91.6	90.9	91.71	11,649.4	588.7	980.4	798.0	182.39	5.375	
22,040.0	10,524.6	22,073.0	10,553.3	91.9	91.2	91.71	11,689.4	588.6	980.4	797.4	182.98	5.358	
22,100.0	10,524.8	22,133.0	10,553.5	92.3	91.6	91.71	11,749.4	588.5	980.4	796.5	183.87	5.332	
22,135.0	10,524.9	22,168.0	10,553.6	92.6	91.9	91.71	11,784.4	588.4	980.4	796.0	184.39	5.317	
22,200.0	10,525.1	22,233.0	10,553.8	93.1	92.4	91.72	11,849.4	588.3	980.4	795.1	185.35	5.289	
22,230.0	10,525.1	22,263.0	10,553.9	93.3	92.6	91.72	11,879.4	588.2	980.4	794.6	185.80	5.277	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 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
22,300.0	10,525.3	22,333.0	10,554.2	93.8	93.1	91.72	11,949.4	588.0	980.4	793.6	186.84	5.247	
22,325.0	10,525.4	22,358.0	10,554.3	94.0	93.3	91.72	11,974.4	588.0	980.4	793.2	187.21	5.237	
22,404.7	10,525.6	22,437.6	10,554.5	94.6	93.9	91.73	12,054.1	587.8	980.4	792.0	188.39	5.204	
22,420.0	10,525.7	22,453.0	10,554.6	94.7	94.0	91.73	12,069.4	587.8	980.4	791.8	188.62	5.198	
22,500.0	10,525.9	22,533.0	10,554.9	95.3	94.6	91.73	12,149.4	587.6	980.4	790.6	189.81	5.165	
22,515.0	10,525.9	22,548.0	10,554.9	95.4	94.7	91.73	12,164.4	587.5	980.4	790.4	190.03	5.159	
22,516.6	10,525.9	22,549.5	10,554.9	95.4	94.7	91.73	12,166.0	587.5	980.4	790.4	190.05	5.159	
22,534.7	10,526.0	22,566.5	10,555.0	95.6	94.8	91.73	12,182.9	587.5	980.4	790.1	190.31	5.152	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	89.90	0.0	30.0	30.0				
95.0	95.0	94.5	94.5	3.0	3.0	89.90	0.0	30.0	30.0	24.0	6.04	4.972	
100.0	100.0	99.5	99.5	3.0	3.0	89.90	0.0	30.0	30.0	24.0	6.04	4.968	
190.0	190.0	189.5	189.5	3.1	3.1	89.90	0.0	30.0	30.0	23.8	6.25	4.801	
200.0	200.0	199.5	199.5	3.1	3.1	89.90	0.0	30.0	30.0	23.7	6.29	4.775	
285.0	285.0	284.5	284.5	3.3	3.3	89.90	0.0	30.0	30.0	23.5	6.48	4.630	
300.0	300.0	299.5	299.5	3.3	3.3	89.90	0.0	30.0	30.0	23.5	6.52	4.602	
380.0	380.0	379.5	379.5	3.4	3.4	89.90	0.0	30.0	30.0	23.3	6.70	4.478	
400.0	400.0	399.5	399.5	3.4	3.4	89.90	0.0	30.0	30.0	23.3	6.75	4.446	
475.0	475.0	474.5	474.5	3.5	3.5	89.90	0.0	30.0	30.0	23.1	6.91	4.341	
500.0	500.0	499.5	499.5	3.5	3.5	89.90	0.0	30.0	30.0	23.0	6.97	4.305	
570.0	570.0	569.5	569.5	3.6	3.6	89.90	0.0	30.0	30.0	22.9	7.12	4.216	
600.0	600.0	599.5	599.5	3.6	3.6	89.90	0.0	30.0	30.0	22.8	7.18	4.177	
665.0	665.0	664.5	664.5	3.7	3.7	89.90	0.0	30.0	30.0	22.7	7.32	4.101	
700.0	700.0	699.5	699.5	3.8	3.8	89.90	0.0	30.0	30.0	22.6	7.39	4.060	
760.0	760.0	759.5	759.5	3.8	3.8	89.90	0.0	30.0	30.0	22.5	7.51	3.995	
800.0	800.0	799.5	799.5	3.9	3.9	89.90	0.0	30.0	30.0	22.4	7.59	3.952	
855.0	855.0	854.5	854.5	4.0	3.9	89.90	0.0	30.0	30.0	22.3	7.70	3.897	
900.0	900.0	899.5	899.5	4.0	4.0	89.90	0.0	30.0	30.0	22.2	7.79	3.852	
950.0	950.0	949.5	949.5	4.1	4.1	89.90	0.0	30.0	30.0	22.1	7.89	3.806	
1,000.0	1,000.0	999.5	999.5	4.1	4.1	89.90	0.0	30.0	30.0	22.0	7.98	3.760	
1,045.0	1,045.0	1,044.5	1,044.5	4.2	4.2	89.90	0.0	30.0	30.0	21.9	8.07	3.721	
1,100.0	1,100.0	1,099.5	1,099.5	4.2	4.2	89.90	0.0	30.0	30.0	21.8	8.17	3.674	
1,140.0	1,140.0	1,139.5	1,139.5	4.3	4.3	89.90	0.0	30.0	30.0	21.8	8.24	3.641	
1,200.0	1,200.0	1,199.5	1,199.5	4.4	4.4	89.90	0.0	30.0	30.0	21.7	8.35	3.593	
1,235.0	1,235.0	1,234.5	1,234.5	4.4	4.4	89.90	0.0	30.0	30.0	21.6	8.41	3.567	
1,300.0	1,300.0	1,299.5	1,299.5	4.5	4.5	89.90	0.0	30.0	30.0	21.5	8.53	3.518	
1,330.0	1,330.0	1,329.5	1,329.5	4.5	4.5	89.90	0.0	30.0	30.0	21.4	8.58	3.496	
1,400.0	1,400.0	1,399.5	1,399.5	4.6	4.6	89.90	0.0	30.0	30.0	21.3	8.71	3.447	
1,425.0	1,425.0	1,424.5	1,424.5	4.6	4.6	89.90	0.0	30.0	30.0	21.3	8.75	3.430	
1,500.0	1,500.0	1,499.5	1,499.5	4.7	4.7	89.90	0.0	30.0	30.0	21.1	8.88	3.380	CC, ES
1,520.0	1,520.0	1,519.3	1,519.3	4.7	4.7	-166.67	0.0	30.1	30.1	21.2	8.94	3.368	
1,600.0	1,600.0	1,598.6	1,598.6	4.8	4.9	-165.43	-1.1	31.3	33.0	23.8	9.21	3.583	
1,615.0	1,615.0	1,613.5	1,613.4	4.8	4.9	-165.06	-1.4	31.7	34.0	24.7	9.28	3.659	
1,700.0	1,699.8	1,697.2	1,697.0	5.0	5.1	-162.64	-4.5	35.1	42.0	32.3	9.71	4.328	
1,710.0	1,709.8	1,707.0	1,706.8	5.0	5.1	-162.35	-4.9	35.6	43.3	33.5	9.75	4.437	
1,800.0	1,799.4	1,795.4	1,794.9	5.2	5.2	-160.13	-9.8	41.1	56.9	46.8	10.09	5.633	
1,805.0	1,804.4	1,800.3	1,799.8	5.3	5.2	-160.05	-10.1	41.4	57.7	47.6	10.11	5.709	
1,900.0	1,898.9	1,893.9	1,893.1	5.5	5.4	-158.98	-15.5	47.5	73.8	63.3	10.50	7.025	
1,995.0	1,993.4	1,987.6	1,986.3	5.7	5.6	-158.29	-20.9	53.6	89.9	79.0	10.92	8.231	
2,000.0	1,998.4	1,992.5	1,991.3	5.7	5.6	-158.26	-21.2	54.0	90.7	79.8	10.94	8.291	
2,090.0	2,087.9	2,081.2	2,079.6	5.9	5.8	-157.81	-26.3	59.8	106.0	94.6	11.36	9.328	
2,100.0	2,097.8	2,091.0	2,089.4	5.9	5.9	-157.77	-26.9	60.4	107.7	96.2	11.41	9.438	
2,185.0	2,182.3	2,174.8	2,172.9	6.2	6.1	-157.46	-31.7	65.9	122.1	110.2	11.82	10.326	
2,200.0	2,197.3	2,189.6	2,187.6	6.2	6.1	-157.41	-32.6	66.8	124.6	112.7	11.89	10.475	
2,280.0	2,276.8	2,268.4	2,266.2	6.4	6.3	-157.18	-37.2	72.0	138.2	125.9	12.30	11.231	
2,300.0	2,296.7	2,288.1	2,285.8	6.5	6.4	-157.13	-38.3	73.2	141.6	129.1	12.40	11.411	
2,375.0	2,371.3	2,362.1	2,359.4	6.7	6.6	-156.97	-42.6	78.1	154.3	141.5	12.80	12.052	
2,400.0	2,396.2	2,386.7	2,384.0	6.8	6.7	-156.92	-44.0	79.7	158.5	145.6	12.93	12.256	
2,470.0	2,465.8	2,455.7	2,452.7	7.0	6.9	-156.80	-48.0	84.2	170.4	157.1	13.31	12.798	
2,500.0	2,495.6	2,485.3	2,482.1	7.1	7.0	-156.75	-49.7	86.1	175.5	162.0	13.48	13.019	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,565.0	2,560.3	2,549.3	2,546.0	7.3	7.1	-156.65	-53.4	90.3	186.5	172.6	13.84	13.475	
2,600.0	2,595.1	2,583.8	2,580.3	7.4	7.2	-156.60	-55.4	92.5	192.4	178.4	14.03	13.709	
2,660.0	2,654.7	2,642.9	2,639.2	7.6	7.4	-156.53	-58.8	96.4	202.6	188.2	14.38	14.091	
2,700.0	2,694.5	2,682.4	2,678.5	7.7	7.6	-156.49	-61.1	98.9	209.4	194.8	14.61	14.334	
2,755.0	2,749.2	2,736.6	2,732.5	7.9	7.7	-156.43	-64.2	102.5	218.7	203.8	14.93	14.652	
2,800.0	2,794.0	2,780.9	2,776.7	8.1	7.9	-156.38	-66.8	105.4	226.3	211.1	15.19	14.901	
2,850.0	2,843.7	2,830.2	2,825.8	8.2	8.0	-156.34	-69.6	108.6	234.8	219.3	15.46	15.184	
2,900.0	2,893.4	2,881.0	2,876.4	8.4	8.2	-156.32	-72.5	111.8	243.1	227.4	15.75	15.441	
2,945.0	2,938.2	2,927.2	2,922.4	8.6	8.3	-156.34	-74.8	114.4	250.3	234.3	16.02	15.630	
3,000.0	2,992.9	2,983.7	2,978.8	8.8	8.5	-156.43	-77.3	117.2	258.7	242.3	16.35	15.818	
3,040.0	3,032.7	3,024.8	3,019.9	8.9	8.6	-156.54	-78.9	119.0	264.5	247.9	16.60	15.935	
3,100.0	3,092.3	3,086.7	3,081.7	9.1	8.8	-156.75	-80.9	121.2	272.8	255.8	16.96	16.079	
3,135.0	3,127.1	3,122.9	3,117.9	9.2	8.9	-156.89	-81.9	122.3	277.3	260.1	17.17	16.149	
3,200.0	3,191.8	3,190.2	3,185.1	9.5	9.1	-157.23	-83.3	123.9	285.3	267.7	17.56	16.250	
3,230.0	3,221.6	3,221.3	3,216.2	9.6	9.2	-157.40	-83.7	124.5	288.8	271.0	17.73	16.288	
3,300.0	3,291.2	3,294.0	3,288.9	9.8	9.3	-157.86	-84.4	125.2	296.4	278.2	18.12	16.354	
3,325.0	3,316.1	3,319.9	3,314.9	9.9	9.4	-158.05	-84.5	125.3	298.9	280.7	18.23	16.392	
3,400.0	3,390.7	3,395.3	3,390.2	10.2	9.4	-158.60	-84.5	125.3	306.2	287.7	18.52	16.535	
3,420.0	3,410.6	3,415.2	3,410.1	10.3	9.4	-158.74	-84.5	125.3	308.2	289.6	18.60	16.568	
3,500.0	3,490.1	3,494.7	3,489.6	10.5	9.5	-159.29	-84.5	125.3	316.0	297.0	18.93	16.691	
3,515.0	3,505.1	3,509.6	3,504.6	10.6	9.5	-159.39	-84.5	125.3	317.4	298.4	18.99	16.714	
3,600.0	3,589.6	3,594.2	3,589.1	10.9	9.6	-159.94	-84.5	125.3	325.8	306.4	19.35	16.837	
3,610.0	3,599.5	3,604.1	3,599.0	11.0	9.6	-160.00	-84.5	125.3	326.8	307.4	19.39	16.851	
3,700.0	3,689.0	3,693.6	3,688.5	11.3	9.6	-160.55	-84.5	125.3	335.6	315.8	19.77	16.974	
3,705.0	3,694.0	3,698.6	3,693.5	11.3	9.6	-160.58	-84.5	125.3	336.1	316.3	19.79	16.981	
3,800.0	3,788.5	3,793.1	3,788.0	11.7	9.7	-161.13	-84.5	125.3	345.5	325.3	20.20	17.104	
3,895.0	3,883.0	3,887.6	3,882.5	12.0	9.8	-161.64	-84.5	125.3	354.9	334.3	20.61	17.220	
3,900.0	3,888.0	3,892.5	3,887.5	12.0	9.8	-161.67	-84.5	125.3	355.4	334.8	20.63	17.226	
3,990.0	3,977.5	3,982.0	3,977.0	12.4	9.8	-162.14	-84.5	125.3	364.3	343.3	21.02	17.331	
4,000.0	3,987.4	3,992.0	3,986.9	12.4	9.8	-162.19	-84.5	125.3	365.3	344.3	21.07	17.342	
4,085.0	4,071.9	4,076.5	4,071.4	12.7	9.9	-162.60	-84.5	125.3	373.8	352.4	21.44	17.435	
4,100.0	4,086.9	4,091.4	4,086.4	12.8	9.9	-162.67	-84.5	125.3	375.3	353.8	21.51	17.451	
4,180.0	4,166.4	4,171.0	4,165.9	13.1	10.0	-163.05	-84.5	125.3	383.3	361.4	21.86	17.535	
4,200.0	4,186.3	4,190.9	4,185.8	13.2	10.0	-163.14	-84.5	125.3	385.3	363.4	21.95	17.555	
4,275.0	4,260.9	4,265.5	4,260.4	13.5	10.0	-163.47	-84.5	125.3	392.8	370.5	22.28	17.630	
4,300.0	4,285.8	4,290.3	4,285.3	13.5	10.0	-163.58	-84.5	125.3	395.3	372.9	22.39	17.654	
4,370.0	4,355.4	4,360.0	4,354.9	13.8	10.1	-163.87	-84.5	125.3	402.3	379.6	22.71	17.720	
4,400.0	4,385.2	4,389.8	4,384.7	13.9	10.1	-163.99	-84.5	125.3	405.4	382.5	22.84	17.748	
4,465.0	4,449.9	4,454.4	4,449.4	14.2	10.2	-164.25	-84.5	125.3	411.9	388.8	23.13	17.806	
4,500.0	4,484.7	4,489.3	4,484.2	14.3	10.2	-164.39	-84.5	125.3	415.4	392.1	23.29	17.837	
4,560.0	4,544.3	4,548.9	4,543.8	14.5	10.2	-164.62	-84.5	125.3	421.5	397.9	23.56	17.888	
4,600.0	4,584.1	4,588.7	4,583.6	14.7	10.3	-164.77	-84.5	125.3	425.5	401.8	23.74	17.921	
4,655.0	4,638.8	4,643.4	4,638.3	14.9	10.3	-164.97	-84.5	125.3	431.1	407.1	23.99	17.966	
4,700.0	4,683.6	4,688.2	4,683.1	15.1	10.3	-165.13	-84.5	125.3	435.6	411.4	24.20	18.002	
4,750.0	4,733.3	4,737.9	4,732.8	15.3	10.4	-165.30	-84.5	125.3	440.7	416.2	24.42	18.041	
4,800.0	4,783.0	4,787.6	4,782.5	15.5	10.4	-165.48	-84.5	125.3	445.7	421.1	24.65	18.079	
4,845.0	4,827.8	4,832.4	4,827.3	15.6	10.4	-165.63	-84.5	125.3	450.3	425.4	24.86	18.113	
4,900.0	4,882.5	4,887.1	4,882.0	15.9	10.5	-165.80	-84.5	125.3	455.8	430.7	25.11	18.153	
4,935.9	4,918.2	4,922.8	4,917.7	16.0	10.5	-165.92	-84.5	125.3	459.5	434.2	25.26	18.187	
4,940.0	4,922.3	4,926.8	4,921.8	16.0	10.5	-165.93	-84.5	125.3	459.9	434.6	25.28	18.191	
5,000.0	4,982.0	4,986.5	4,981.5	16.2	10.5	-166.12	-84.5	125.3	465.6	440.1	25.54	18.230	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,035.0	5,016.8	5,021.4	5,016.3	16.4	10.6	-166.22	-84.5	125.3	468.7	443.0	25.70	18.239	
5,100.0	5,081.6	5,086.2	5,081.1	16.6	10.6	-166.39	-84.5	125.3	473.9	447.9	25.99	18.235	
5,130.0	5,111.5	5,116.1	5,111.0	16.7	10.6	-166.46	-84.5	125.3	476.0	449.9	26.11	18.227	
5,200.0	5,181.4	5,186.0	5,180.9	17.0	10.7	-166.59	-84.5	125.3	480.4	454.0	26.41	18.187	
5,225.0	5,206.3	5,210.9	5,205.8	17.0	10.7	-166.63	-84.5	125.3	481.8	455.3	26.52	18.169	
5,300.0	5,281.2	5,285.8	5,280.7	17.3	10.8	-166.74	-84.5	125.3	485.3	458.4	26.82	18.093	
5,320.0	5,301.2	5,305.8	5,300.7	17.3	10.8	-166.76	-84.5	125.3	486.0	459.1	26.90	18.070	
5,400.0	5,381.2	5,385.8	5,380.7	17.6	10.8	-166.83	-84.5	125.3	488.4	461.2	27.20	17.957	
5,415.0	5,396.2	5,400.8	5,395.7	17.6	10.8	-166.84	-84.5	125.3	488.7	461.5	27.25	17.937	
5,500.0	5,481.2	5,485.8	5,480.7	17.8	10.9	-166.88	-84.5	125.3	489.9	462.3	27.53	17.796	
5,510.0	5,491.2	5,495.8	5,490.7	17.9	10.9	-166.88	-84.5	125.3	489.9	462.4	27.55	17.786	
5,535.8	5,517.0	5,521.6	5,516.5	17.9	10.9	89.74	-84.5	125.3	490.0	462.4	27.59	17.759	
5,600.0	5,581.2	5,585.8	5,580.7	17.9	11.0	89.74	-84.5	125.3	490.0	462.3	27.65	17.718	
5,605.0	5,586.2	5,590.8	5,585.7	17.9	11.0	89.74	-84.5	125.3	490.0	462.3	27.66	17.715	
5,700.0	5,681.2	5,685.8	5,680.7	17.9	11.1	89.74	-84.5	125.3	490.0	462.2	27.77	17.643	
5,795.0	5,776.2	5,780.8	5,775.7	18.0	11.1	89.74	-84.5	125.3	490.0	462.1	27.88	17.573	
5,800.0	5,781.2	5,785.8	5,780.7	18.0	11.1	89.74	-84.5	125.3	490.0	462.1	27.89	17.569	
5,890.0	5,871.2	5,875.8	5,870.7	18.0	11.2	89.74	-84.5	125.3	490.0	462.0	28.00	17.502	
5,900.0	5,881.2	5,885.8	5,880.7	18.0	11.2	89.74	-84.5	125.3	490.0	462.0	28.01	17.495	
5,985.0	5,966.2	5,970.8	5,965.7	18.0	11.3	89.74	-84.5	125.3	490.0	461.9	28.11	17.432	
6,000.0	5,981.2	5,985.8	5,980.7	18.0	11.3	89.74	-84.5	125.3	490.0	461.9	28.13	17.421	
6,080.0	6,061.2	6,065.8	6,060.7	18.1	11.3	89.74	-84.5	125.3	490.0	461.8	28.22	17.363	
6,100.0	6,081.2	6,085.8	6,080.7	18.1	11.3	89.74	-84.5	125.3	490.0	461.7	28.24	17.348	
6,175.0	6,156.2	6,160.8	6,155.7	18.1	11.4	89.74	-84.5	125.3	490.0	461.7	28.33	17.293	
6,200.0	6,181.2	6,185.8	6,180.7	18.1	11.4	89.74	-84.5	125.3	490.0	461.6	28.36	17.275	
6,270.0	6,251.2	6,255.8	6,250.7	18.2	11.5	89.74	-84.5	125.3	490.0	461.5	28.45	17.225	
6,300.0	6,281.2	6,285.8	6,280.7	18.2	11.5	89.74	-84.5	125.3	490.0	461.5	28.48	17.203	
6,365.0	6,346.2	6,350.8	6,345.7	18.2	11.5	89.74	-84.5	125.3	490.0	461.4	28.56	17.156	
6,400.0	6,381.2	6,385.8	6,380.7	18.2	11.6	89.74	-84.5	125.3	490.0	461.4	28.60	17.131	
6,460.0	6,441.2	6,445.8	6,440.7	18.2	11.6	89.74	-84.5	125.3	490.0	461.3	28.67	17.088	
6,500.0	6,481.2	6,485.8	6,480.7	18.2	11.6	89.74	-84.5	125.3	490.0	461.3	28.72	17.059	
6,555.0	6,536.2	6,540.8	6,535.7	18.3	11.7	89.74	-84.5	125.3	490.0	461.2	28.79	17.020	
6,600.0	6,581.2	6,585.8	6,580.7	18.3	11.7	89.74	-84.5	125.3	490.0	461.1	28.84	16.988	
6,650.0	6,631.2	6,635.8	6,630.7	18.3	11.8	89.74	-84.5	125.3	490.0	461.1	28.90	16.953	
6,700.0	6,681.2	6,685.8	6,680.7	18.3	11.8	89.74	-84.5	125.3	490.0	461.0	28.96	16.917	
6,745.0	6,726.2	6,730.8	6,725.7	18.3	11.8	89.74	-84.5	125.3	490.0	461.0	29.02	16.886	
6,800.0	6,781.2	6,785.8	6,780.7	18.4	11.9	89.74	-84.5	125.3	490.0	460.9	29.08	16.847	
6,840.0	6,821.2	6,825.8	6,820.7	18.4	11.9	89.74	-84.5	125.3	490.0	460.9	29.13	16.819	
6,900.0	6,881.2	6,885.8	6,880.7	18.4	11.9	89.74	-84.5	125.3	490.0	460.8	29.21	16.777	
6,935.0	6,916.2	6,920.8	6,915.7	18.4	12.0	89.74	-84.5	125.3	490.0	460.7	29.25	16.753	
7,000.0	6,981.2	6,985.8	6,980.7	18.4	12.0	89.74	-84.5	125.3	490.0	460.7	29.33	16.708	
7,030.0	7,011.2	7,015.8	7,010.7	18.5	12.0	89.74	-84.5	125.3	490.0	460.6	29.36	16.687	
7,100.0	7,081.2	7,085.8	7,080.7	18.5	12.1	89.74	-84.5	125.3	490.0	460.5	29.45	16.639	
7,125.0	7,106.2	7,110.8	7,105.7	18.5	12.1	89.74	-84.5	125.3	490.0	460.5	29.48	16.621	
7,200.0	7,181.2	7,185.8	7,180.7	18.5	12.2	89.74	-84.5	125.3	490.0	460.4	29.57	16.570	
7,220.0	7,201.2	7,205.8	7,200.7	18.5	12.2	89.74	-84.5	125.3	490.0	460.4	29.60	16.556	
7,300.0	7,281.2	7,285.8	7,280.7	18.6	12.2	89.74	-84.5	125.3	490.0	460.3	29.69	16.502	
7,315.0	7,296.2	7,300.8	7,295.7	18.6	12.2	89.74	-84.5	125.3	490.0	460.3	29.71	16.491	
7,400.0	7,381.2	7,385.8	7,380.7	18.6	12.3	89.74	-84.5	125.3	490.0	460.2	29.82	16.434	
7,410.0	7,391.2	7,395.8	7,390.7	18.6	12.3	89.74	-84.5	125.3	490.0	460.2	29.83	16.427	
7,500.0	7,481.2	7,485.8	7,480.7	18.7	12.4	89.74	-84.5	125.3	490.0	460.0	29.94	16.366	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,505.0	7,486.2	7,490.8	7,485.7	18.7	12.4	89.74	-84.5	125.3	490.0	460.0	29.94	16.363	
7,600.0	7,581.2	7,585.8	7,580.7	18.7	12.5	89.74	-84.5	125.3	490.0	459.9	30.06	16.299	
7,695.0	7,676.2	7,680.8	7,675.7	18.7	12.5	89.74	-84.5	125.3	490.0	459.8	30.18	16.236	
7,700.0	7,681.2	7,685.8	7,680.7	18.7	12.5	89.74	-84.5	125.3	490.0	459.8	30.19	16.232	
7,790.0	7,771.2	7,775.8	7,770.7	18.8	12.6	89.74	-84.5	125.3	490.0	459.7	30.30	16.173	
7,800.0	7,781.2	7,785.8	7,780.7	18.8	12.6	89.74	-84.5	125.3	490.0	459.7	30.31	16.166	
7,885.0	7,866.2	7,870.8	7,865.7	18.8	12.7	89.74	-84.5	125.3	490.0	459.6	30.41	16.110	
7,900.0	7,881.2	7,885.8	7,880.7	18.8	12.7	89.74	-84.5	125.3	490.0	459.6	30.43	16.100	
7,980.0	7,961.2	7,965.8	7,960.7	18.9	12.7	89.74	-84.5	125.3	490.0	459.5	30.53	16.048	
8,000.0	7,981.2	7,985.8	7,980.7	18.9	12.8	89.74	-84.5	125.3	490.0	459.4	30.56	16.035	
8,075.0	8,056.2	8,060.8	8,055.7	18.9	12.8	89.74	-84.5	125.3	490.0	459.3	30.65	15.986	
8,100.0	8,081.2	8,085.8	8,080.7	18.9	12.8	89.74	-84.5	125.3	490.0	459.3	30.68	15.969	
8,170.0	8,151.2	8,155.8	8,150.7	19.0	12.9	89.74	-84.5	125.3	490.0	459.2	30.77	15.924	
8,200.0	8,181.2	8,185.8	8,180.7	19.0	12.9	89.74	-84.5	125.3	490.0	459.2	30.81	15.905	
8,265.0	8,246.2	8,250.8	8,245.7	19.0	13.0	89.74	-84.5	125.3	490.0	459.1	30.89	15.863	
8,300.0	8,281.2	8,285.8	8,280.7	19.0	13.0	89.74	-84.5	125.3	490.0	459.1	30.93	15.840	
8,360.0	8,341.2	8,345.8	8,340.7	19.0	13.0	89.74	-84.5	125.3	490.0	459.0	31.01	15.802	
8,400.0	8,381.2	8,385.8	8,380.7	19.1	13.1	89.74	-84.5	125.3	490.0	458.9	31.06	15.776	
8,455.0	8,436.2	8,440.8	8,435.7	19.1	13.1	89.74	-84.5	125.3	490.0	458.9	31.13	15.741	
8,500.0	8,481.2	8,485.8	8,480.7	19.1	13.1	89.74	-84.5	125.3	490.0	458.8	31.18	15.713	
8,550.0	8,531.2	8,535.8	8,530.7	19.1	13.2	89.74	-84.5	125.3	490.0	458.7	31.25	15.681	
8,600.0	8,581.2	8,585.8	8,580.7	19.1	13.2	89.74	-84.5	125.3	490.0	458.7	31.31	15.650	
8,645.0	8,626.2	8,630.8	8,625.7	19.2	13.3	89.74	-84.5	125.3	490.0	458.6	31.37	15.621	
8,700.0	8,681.2	8,685.8	8,680.7	19.2	13.3	89.74	-84.5	125.3	490.0	458.5	31.44	15.587	
8,740.0	8,721.2	8,725.8	8,720.7	19.2	13.3	89.74	-84.5	125.3	490.0	458.5	31.49	15.562	
8,800.0	8,781.2	8,785.8	8,780.7	19.2	13.4	89.74	-84.5	125.3	490.0	458.4	31.56	15.524	
8,835.0	8,816.2	8,820.8	8,815.7	19.3	13.4	89.74	-84.5	125.3	490.0	458.4	31.61	15.502	
8,900.0	8,881.2	8,885.8	8,880.7	19.3	13.4	89.74	-84.5	125.3	490.0	458.3	31.69	15.462	
8,930.0	8,911.2	8,915.8	8,910.7	19.3	13.5	89.74	-84.5	125.3	490.0	458.3	31.73	15.444	
9,000.0	8,981.2	8,985.8	8,980.7	19.3	13.5	89.74	-84.5	125.3	490.0	458.2	31.82	15.400	
9,025.0	9,006.2	9,010.8	9,005.7	19.3	13.5	89.74	-84.5	125.3	490.0	458.1	31.85	15.385	
9,100.0	9,081.2	9,085.8	9,080.7	19.4	13.6	89.74	-84.5	125.3	490.0	458.0	31.94	15.339	
9,120.0	9,101.2	9,105.8	9,100.7	19.4	13.6	89.74	-84.5	125.3	490.0	458.0	31.97	15.327	
9,200.0	9,181.2	9,185.8	9,180.7	19.4	13.7	89.74	-84.5	125.3	490.0	457.9	32.07	15.278	
9,215.0	9,196.2	9,200.8	9,195.7	19.4	13.7	89.74	-84.5	125.3	490.0	457.9	32.09	15.269	
9,300.0	9,281.2	9,285.8	9,280.7	19.5	13.8	89.74	-84.5	125.3	490.0	457.8	32.20	15.217	
9,310.0	9,291.2	9,295.8	9,290.7	19.5	13.8	89.74	-84.5	125.3	490.0	457.8	32.21	15.211	
9,400.0	9,381.2	9,385.8	9,380.7	19.5	13.8	89.74	-84.5	125.3	490.0	457.7	32.33	15.157	
9,405.0	9,386.2	9,390.8	9,385.7	19.5	13.8	89.74	-84.5	125.3	490.0	457.7	32.33	15.154	
9,500.0	9,481.2	9,485.8	9,480.7	19.6	13.9	89.74	-84.5	125.3	490.0	457.5	32.46	15.097	
9,595.0	9,576.2	9,580.8	9,575.7	19.6	14.0	89.74	-84.5	125.3	490.0	457.4	32.58	15.041	
9,600.0	9,581.2	9,585.8	9,580.7	19.6	14.0	89.74	-84.5	125.3	490.0	457.4	32.58	15.038	
9,690.0	9,671.2	9,675.8	9,670.7	19.7	14.0	89.74	-84.5	125.3	490.0	457.3	32.70	14.984	
9,700.0	9,681.2	9,685.8	9,680.7	19.7	14.1	89.74	-84.5	125.3	490.0	457.3	32.71	14.979	
9,701.6	9,682.7	9,687.3	9,682.2	19.7	14.1	89.74	-84.5	125.3	490.0	457.3	32.71	14.978	
9,785.0	9,766.2	9,770.7	9,765.6	19.7	14.1	89.62	-83.5	125.3	490.0	457.2	32.78	14.947	
9,800.0	9,781.2	9,785.6	9,780.4	19.7	14.1	89.49	-82.4	125.3	490.0	457.2	32.80	14.941	
9,880.0	9,861.2	9,863.4	9,857.3	19.8	14.2	88.10	-70.4	125.3	490.2	457.4	32.87	14.916	
9,900.0	9,881.2	9,882.2	9,875.6	19.8	14.2	87.58	-66.0	125.3	490.4	457.5	32.88	14.914	
9,938.9	9,920.0	9,917.9	9,909.8	19.8	14.3	86.40	-55.9	125.3	491.0	458.1	32.90	14.922	
9,950.0	9,931.2	9,927.9	9,919.3	19.8	14.3	86.15	-52.7	125.3	491.2	458.3	32.90	14.930	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,975.0	9,956.2	9,950.0	9,940.0	19.8	14.3	85.30	-45.1	125.2	491.8	458.9	32.91	14.945	
10,000.0	9,981.1	9,972.3	9,960.5	19.8	14.3	84.44	-36.5	125.2	492.5	459.6	32.91	14.964	
10,050.0	10,030.5	10,015.7	9,999.6	19.8	14.4	82.79	-17.7	125.2	494.2	461.3	32.93	15.011	
10,070.0	10,050.0	10,032.8	10,014.6	19.8	14.4	82.15	-9.4	125.2	495.0	462.1	32.93	15.032	
10,100.0	10,079.1	10,058.3	10,036.5	19.8	14.5	81.20	3.7	125.1	496.3	463.4	32.94	15.065	
10,150.0	10,126.4	10,100.0	10,070.9	19.8	14.5	79.69	27.2	125.1	498.6	465.7	32.97	15.123	
10,165.0	10,140.4	10,112.6	10,081.0	19.8	14.5	79.24	34.8	125.1	499.4	466.4	32.98	15.140	
10,200.0	10,172.2	10,141.4	10,103.3	19.8	14.6	78.24	52.9	125.0	501.2	468.1	33.02	15.179	
10,250.0	10,216.1	10,182.0	10,133.2	19.8	14.6	76.89	80.4	125.0	503.8	470.8	33.08	15.229	
10,260.0	10,224.6	10,190.1	10,139.0	19.8	14.6	76.63	86.1	124.9	504.4	471.3	33.10	15.238	
10,300.0	10,257.7	10,222.1	10,160.8	19.9	14.7	75.63	109.5	124.9	506.6	473.4	33.17	15.270	
10,350.0	10,296.8	10,261.8	10,186.0	19.9	14.8	74.47	140.1	124.8	509.3	476.0	33.28	15.302	
10,355.0	10,300.5	10,265.7	10,188.4	19.9	14.8	74.36	143.3	124.8	509.6	476.3	33.30	15.304	
10,400.0	10,333.0	10,300.0	10,208.2	19.9	14.8	73.43	171.3	124.8	512.0	478.5	33.42	15.321	
10,450.0	10,366.0	10,339.9	10,229.1	19.9	14.9	72.46	205.2	124.7	514.5	480.9	33.56	15.330	
10,500.0	10,395.7	10,378.5	10,247.0	20.0	14.9	71.62	239.4	124.6	516.9	483.1	33.73	15.326	
10,545.0	10,419.3	10,413.0	10,261.1	20.0	15.0	70.96	270.9	124.5	518.8	484.9	33.88	15.312	
10,550.0	10,421.7	10,416.8	10,262.5	20.0	15.0	70.89	274.5	124.5	519.0	485.1	33.90	15.310	
10,600.0	10,443.9	10,450.0	10,274.0	20.0	15.0	70.32	305.6	124.4	520.9	486.8	34.08	15.285	
10,640.0	10,458.8	10,485.3	10,284.3	20.1	15.0	69.87	339.4	124.4	522.1	487.9	34.22	15.258	
10,650.0	10,462.2	10,492.9	10,286.2	20.1	15.0	69.78	346.7	124.4	522.4	488.1	34.25	15.251	
10,700.0	10,476.3	10,530.7	10,294.3	20.1	15.1	69.39	383.6	124.3	523.6	489.2	34.43	15.209	
10,735.0	10,483.6	10,557.1	10,298.6	20.2	15.1	69.20	409.7	124.2	524.2	489.7	34.54	15.175	
10,750.0	10,486.1	10,568.4	10,300.0	20.2	15.1	69.13	420.9	124.2	524.4	489.8	34.59	15.160	
10,800.0	10,491.7	10,606.1	10,303.2	20.3	15.1	68.99	458.4	124.1	524.9	490.1	34.75	15.105	
10,830.0	10,492.9	10,628.6	10,304.0	20.3	15.2	68.96	481.0	124.0	525.0	490.2	34.83	15.072	
10,837.2	10,493.0	10,634.6	10,304.0	20.3	15.2	68.96	486.9	124.0	525.0	490.1	34.85	15.063	
10,837.9	10,493.0	10,634.6	10,304.0	20.3	15.2	68.96	486.9	124.0	525.0	490.1	34.85	15.063	
10,900.0	10,493.2	10,696.7	10,304.2	20.4	15.2	68.96	549.0	123.9	525.0	489.9	35.09	14.962	
10,925.0	10,493.2	10,721.7	10,304.2	20.5	15.3	68.96	574.0	123.8	525.0	489.8	35.20	14.915	
11,000.0	10,493.5	10,796.7	10,304.4	20.6	15.3	68.95	649.0	123.7	525.0	489.5	35.54	14.772	
11,020.0	10,493.5	10,816.7	10,304.5	20.7	15.4	68.95	669.0	123.6	525.0	489.4	35.64	14.730	
11,100.0	10,493.7	10,896.7	10,304.7	20.8	15.5	68.95	749.0	123.4	525.0	489.0	36.05	14.562	
11,115.0	10,493.8	10,911.7	10,304.7	20.9	15.5	68.95	764.0	123.4	525.0	488.9	36.14	14.528	
11,200.0	10,494.0	10,996.7	10,305.0	21.1	15.7	68.95	849.0	123.2	525.0	488.4	36.62	14.336	
11,210.0	10,494.1	11,006.7	10,305.0	21.1	15.7	68.95	859.0	123.2	525.0	488.3	36.68	14.312	
11,300.0	10,494.3	11,096.7	10,305.2	21.3	15.9	68.95	949.0	123.0	525.0	487.8	37.25	14.096	
11,305.0	10,494.3	11,101.7	10,305.2	21.4	16.0	68.95	954.0	123.0	525.0	487.7	37.28	14.083	
11,400.0	10,494.6	11,196.7	10,305.5	21.6	16.2	68.95	1,049.0	122.8	525.0	487.1	37.92	13.844	
11,495.0	10,494.9	11,291.7	10,305.7	21.9	16.6	68.95	1,144.0	122.5	525.0	486.4	38.61	13.597	
11,500.0	10,494.9	11,296.7	10,305.8	21.9	16.6	68.95	1,149.0	122.5	525.0	486.4	38.65	13.585	
11,590.0	10,495.1	11,386.7	10,306.0	22.2	16.9	68.94	1,239.0	122.3	525.0	485.7	39.34	13.345	
11,600.0	10,495.2	11,396.7	10,306.0	22.3	17.0	68.94	1,249.0	122.3	525.0	485.6	39.42	13.319	
11,685.0	10,495.4	11,481.7	10,306.2	22.6	17.3	68.94	1,334.0	122.1	525.0	484.9	40.11	13.089	
11,700.0	10,495.4	11,496.7	10,306.3	22.6	17.4	68.94	1,349.0	122.1	525.0	484.8	40.24	13.049	
11,780.0	10,495.7	11,576.7	10,306.5	22.9	17.8	68.94	1,429.0	121.9	525.1	484.1	40.92	12.830	
11,800.0	10,495.7	11,596.7	10,306.5	23.0	17.9	68.94	1,449.0	121.9	525.1	484.0	41.09	12.777	
11,875.0	10,495.9	11,671.7	10,306.7	23.3	18.2	68.94	1,524.0	121.7	525.1	483.3	41.76	12.572	
11,900.0	10,496.0	11,696.7	10,306.8	23.4	18.3	68.94	1,549.0	121.6	525.1	483.1	41.99	12.505	
11,970.0	10,496.2	11,766.7	10,307.0	23.7	18.7	68.94	1,619.0	121.5	525.1	482.4	42.64	12.314	
12,000.0	10,496.3	11,796.7	10,307.1	23.8	18.8	68.94	1,649.0	121.4	525.1	482.1	42.92	12.234	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	10,496.5	11,861.7	10,307.3	24.1	19.2	68.94	1,714.0	121.3	525.1	481.5	43.55	12.058	
12,100.0	10,496.6	11,896.7	10,307.3	24.2	19.4	68.94	1,749.0	121.2	525.1	481.2	43.88	11.965	
12,160.0	10,496.7	11,956.7	10,307.5	24.5	19.7	68.93	1,809.0	121.0	525.1	480.6	44.48	11.804	
12,200.0	10,496.8	11,996.7	10,307.6	24.6	19.9	68.93	1,849.0	120.9	525.1	480.2	44.88	11.699	
12,255.0	10,497.0	12,051.7	10,307.8	24.9	20.2	68.93	1,904.0	120.8	525.1	479.6	45.44	11.554	
12,300.0	10,497.1	12,096.7	10,307.9	25.1	20.5	68.93	1,949.0	120.7	525.1	479.2	45.91	11.438	
12,350.0	10,497.3	12,146.7	10,308.0	25.3	20.8	68.93	1,999.0	120.6	525.1	478.7	46.43	11.309	
12,400.0	10,497.4	12,196.7	10,308.1	25.6	21.1	68.93	2,049.0	120.5	525.1	478.1	46.96	11.182	
12,445.0	10,497.5	12,241.7	10,308.3	25.8	21.3	68.93	2,094.0	120.4	525.1	477.6	47.44	11.067	
12,500.0	10,497.7	12,296.7	10,308.4	26.0	21.6	68.93	2,149.0	120.3	525.1	477.1	48.04	10.931	
12,540.0	10,497.8	12,336.7	10,308.5	26.2	21.9	68.93	2,189.0	120.2	525.1	476.6	48.48	10.831	
12,600.0	10,498.0	12,396.7	10,308.7	26.5	22.2	68.93	2,249.0	120.0	525.1	476.0	49.14	10.686	
12,635.0	10,498.1	12,431.7	10,308.8	26.7	22.4	68.93	2,284.0	120.0	525.1	475.6	49.53	10.601	
12,700.0	10,498.3	12,496.7	10,308.9	27.1	22.8	68.93	2,349.0	119.8	525.1	474.8	50.27	10.447	
12,730.0	10,498.3	12,526.7	10,309.0	27.2	23.0	68.92	2,379.0	119.7	525.1	474.5	50.61	10.376	
12,800.0	10,498.5	12,596.7	10,309.2	27.6	23.5	68.92	2,449.0	119.6	525.1	473.7	51.41	10.214	
12,825.0	10,498.6	12,621.7	10,309.3	27.7	23.6	68.92	2,474.0	119.5	525.1	473.4	51.70	10.156	
12,900.0	10,498.8	12,696.7	10,309.5	28.1	24.1	68.92	2,549.0	119.4	525.1	472.5	52.58	9.988	
12,920.0	10,498.9	12,716.7	10,309.5	28.2	24.2	68.92	2,569.0	119.3	525.1	472.3	52.81	9.943	
13,000.0	10,499.1	12,796.7	10,309.7	28.7	24.7	68.92	2,649.0	119.1	525.1	471.4	53.76	9.768	
13,015.0	10,499.1	12,811.7	10,309.8	28.7	24.8	68.92	2,664.0	119.1	525.1	471.2	53.94	9.735	
13,100.0	10,499.4	12,896.7	10,310.0	29.2	25.4	68.92	2,749.0	118.9	525.1	470.2	54.96	9.554	
13,110.0	10,499.4	12,906.7	10,310.0	29.3	25.4	68.92	2,759.0	118.9	525.1	470.0	55.08	9.533	
13,200.0	10,499.7	12,996.7	10,310.3	29.8	26.0	68.92	2,849.0	118.7	525.1	469.0	56.18	9.348	
13,205.0	10,499.7	13,001.7	10,310.3	29.8	26.0	68.92	2,854.0	118.7	525.1	468.9	56.24	9.337	
13,300.0	10,499.9	13,096.7	10,310.5	30.3	26.7	68.91	2,949.0	118.5	525.1	467.7	57.41	9.147	
13,395.0	10,500.2	13,191.7	10,310.8	30.9	27.3	68.91	3,044.0	118.2	525.2	466.6	58.59	8.962	
13,400.0	10,500.2	13,196.7	10,310.8	30.9	27.3	68.91	3,049.0	118.2	525.2	466.5	58.66	8.953	
13,490.0	10,500.5	13,286.7	10,311.0	31.5	27.9	68.91	3,139.0	118.0	525.2	465.4	59.79	8.783	
13,500.0	10,500.5	13,296.7	10,311.1	31.5	28.0	68.91	3,149.0	118.0	525.2	465.2	59.92	8.765	
13,585.0	10,500.8	13,381.7	10,311.3	32.0	28.6	68.91	3,234.0	117.8	525.2	464.2	61.00	8.610	
13,600.0	10,500.8	13,396.7	10,311.3	32.1	28.7	68.91	3,249.0	117.8	525.2	464.0	61.19	8.583	
13,680.0	10,501.0	13,476.7	10,311.5	32.6	29.2	68.91	3,329.0	117.6	525.2	463.0	62.21	8.441	
13,700.0	10,501.1	13,496.7	10,311.6	32.7	29.3	68.91	3,349.0	117.5	525.2	462.7	62.47	8.407	
13,775.0	10,501.3	13,571.7	10,311.8	33.2	29.9	68.91	3,424.0	117.4	525.2	461.7	63.44	8.278	
13,800.0	10,501.4	13,596.7	10,311.9	33.3	30.0	68.91	3,449.0	117.3	525.2	461.4	63.77	8.236	
13,870.0	10,501.6	13,666.7	10,312.0	33.8	30.5	68.91	3,519.0	117.2	525.2	460.5	64.68	8.120	
13,900.0	10,501.6	13,696.7	10,312.1	33.9	30.7	68.90	3,549.0	117.1	525.2	460.1	65.07	8.071	
13,965.0	10,501.8	13,761.7	10,312.3	34.3	31.2	68.90	3,614.0	116.9	525.2	459.3	65.92	7.967	
14,000.0	10,501.9	13,796.7	10,312.4	34.6	31.4	68.90	3,649.0	116.9	525.2	458.8	66.38	7.911	
14,060.0	10,502.1	13,856.7	10,312.5	34.9	31.8	68.90	3,709.0	116.7	525.2	458.0	67.18	7.818	
14,100.0	10,502.2	13,896.7	10,312.6	35.2	32.1	68.90	3,749.0	116.6	525.2	457.5	67.71	7.757	
14,155.0	10,502.4	13,951.7	10,312.8	35.5	32.5	68.90	3,804.0	116.5	525.2	456.8	68.44	7.674	
14,200.0	10,502.5	13,996.7	10,312.9	35.8	32.8	68.90	3,849.0	116.4	525.2	456.2	69.04	7.607	
14,250.0	10,502.6	14,046.7	10,313.0	36.1	33.1	68.90	3,899.0	116.3	525.2	455.5	69.71	7.534	
14,300.0	10,502.8	14,096.7	10,313.2	36.5	33.5	68.90	3,949.0	116.2	525.2	454.8	70.38	7.462	
14,345.0	10,502.9	14,141.7	10,313.3	36.7	33.8	68.90	3,994.0	116.1	525.2	454.2	70.99	7.399	
14,400.0	10,503.1	14,196.7	10,313.4	37.1	34.2	68.90	4,049.0	116.0	525.2	453.5	71.73	7.322	
14,440.0	10,503.2	14,236.7	10,313.5	37.4	34.5	68.90	4,089.0	115.9	525.2	452.9	72.27	7.267	
14,500.0	10,503.3	14,296.7	10,313.7	37.7	34.9	68.89	4,149.0	115.7	525.2	452.1	73.08	7.187	
14,535.0	10,503.4	14,331.7	10,313.8	38.0	35.1	68.89	4,184.0	115.7	525.2	451.7	73.56	7.140	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	10,503.6	14,396.7	10,314.0	38.4	35.6	68.89	4,249.0	115.5	525.2	450.8	74.44	7.055	
14,630.0	10,503.7	14,426.7	10,314.1	38.6	35.8	68.89	4,279.0	115.4	525.2	450.4	74.86	7.017	
14,700.0	10,503.9	14,496.7	10,314.2	39.1	36.3	68.89	4,349.0	115.3	525.2	449.4	75.81	6.928	
14,725.0	10,504.0	14,521.7	10,314.3	39.2	36.5	68.89	4,374.0	115.2	525.2	449.1	76.16	6.897	
14,800.0	10,504.2	14,596.7	10,314.5	39.7	37.0	68.89	4,449.0	115.1	525.2	448.0	77.19	6.805	
14,820.0	10,504.2	14,616.7	10,314.6	39.8	37.1	68.89	4,469.0	115.0	525.2	447.8	77.46	6.780	
14,900.0	10,504.5	14,696.7	10,314.8	40.4	37.7	68.89	4,549.0	114.8	525.2	446.7	78.57	6.685	
14,915.0	10,504.5	14,711.7	10,314.8	40.5	37.8	68.89	4,564.0	114.8	525.2	446.5	78.78	6.668	
15,000.0	10,504.7	14,796.7	10,315.0	41.0	38.4	68.89	4,649.0	114.6	525.2	445.3	79.95	6.569	
15,010.0	10,504.8	14,806.7	10,315.1	41.1	38.5	68.89	4,659.0	114.6	525.3	445.2	80.09	6.558	
15,100.0	10,505.0	14,896.7	10,315.3	41.7	39.1	68.88	4,749.0	114.4	525.3	443.9	81.35	6.457	
15,105.0	10,505.0	14,901.7	10,315.3	41.7	39.2	68.88	4,754.0	114.4	525.3	443.8	81.42	6.452	
15,200.0	10,505.3	14,996.7	10,315.6	42.4	39.9	68.88	4,849.0	114.1	525.3	442.5	82.74	6.348	
15,295.0	10,505.6	15,091.7	10,315.8	43.0	40.5	68.88	4,944.0	113.9	525.3	441.2	84.07	6.248	
15,300.0	10,505.6	15,096.7	10,315.8	43.1	40.6	68.88	4,949.0	113.9	525.3	441.1	84.14	6.243	
15,390.0	10,505.8	15,186.7	10,316.1	43.7	41.2	68.88	5,039.0	113.7	525.3	439.9	85.41	6.150	
15,400.0	10,505.9	15,196.7	10,316.1	43.7	41.3	68.88	5,049.0	113.7	525.3	439.7	85.55	6.140	
15,485.0	10,506.1	15,281.7	10,316.3	44.3	41.9	68.88	5,134.0	113.5	525.3	438.5	86.75	6.055	
15,500.0	10,506.2	15,296.7	10,316.4	44.4	42.0	68.88	5,149.0	113.5	525.3	438.3	86.96	6.041	
15,580.0	10,506.4	15,376.7	10,316.6	45.0	42.6	68.88	5,229.0	113.3	525.3	437.2	88.09	5.963	
15,600.0	10,506.4	15,396.7	10,316.6	45.1	42.8	68.88	5,249.0	113.2	525.3	436.9	88.37	5.944	
15,675.0	10,506.6	15,471.7	10,316.8	45.6	43.3	68.87	5,324.0	113.1	525.3	435.9	89.44	5.873	
15,700.0	10,506.7	15,496.7	10,316.9	45.8	43.5	68.87	5,349.0	113.0	525.3	435.5	89.79	5.850	
15,770.0	10,506.9	15,566.7	10,317.1	46.3	44.0	68.87	5,419.0	112.9	525.3	434.5	90.79	5.786	
15,800.0	10,507.0	15,596.7	10,317.2	46.5	44.2	68.87	5,449.0	112.8	525.3	434.1	91.21	5.759	
15,865.0	10,507.2	15,661.7	10,317.3	46.9	44.7	68.87	5,514.0	112.6	525.3	433.2	92.14	5.701	
15,900.0	10,507.3	15,696.7	10,317.4	47.2	44.9	68.87	5,549.0	112.6	525.3	432.7	92.64	5.671	
15,960.0	10,507.5	15,756.7	10,317.6	47.6	45.4	68.87	5,609.0	112.4	525.3	431.8	93.49	5.619	
16,000.0	10,507.6	15,796.7	10,317.7	47.9	45.7	68.87	5,649.0	112.3	525.3	431.2	94.07	5.585	
16,055.0	10,507.7	15,851.7	10,317.8	48.3	46.1	68.87	5,704.0	112.2	525.3	430.5	94.85	5.538	
16,100.0	10,507.8	15,896.7	10,317.9	48.6	46.4	68.87	5,749.0	112.1	525.3	429.8	95.50	5.501	
16,150.0	10,508.0	15,946.7	10,318.1	48.9	46.8	68.87	5,799.0	112.0	525.3	429.1	96.21	5.460	
16,200.0	10,508.1	15,996.7	10,318.2	49.3	47.1	68.86	5,849.0	111.9	525.3	428.4	96.93	5.419	
16,245.0	10,508.3	16,041.7	10,318.3	49.6	47.5	68.86	5,894.0	111.8	525.3	427.7	97.58	5.384	
16,300.0	10,508.4	16,096.7	10,318.5	50.0	47.9	68.86	5,949.0	111.6	525.3	427.0	98.37	5.340	
16,340.0	10,508.5	16,136.7	10,318.6	50.3	48.2	68.86	5,989.0	111.6	525.3	426.4	98.95	5.309	
16,400.0	10,508.7	16,196.7	10,318.7	50.7	48.6	68.86	6,049.0	111.4	525.3	425.5	99.81	5.263	
16,435.0	10,508.8	16,231.7	10,318.8	50.9	48.8	68.86	6,084.0	111.3	525.3	425.0	100.32	5.237	
16,500.0	10,509.0	16,296.7	10,319.0	51.4	49.3	68.86	6,149.0	111.2	525.3	424.1	101.25	5.188	
16,530.0	10,509.1	16,326.7	10,319.1	51.6	49.5	68.86	6,179.0	111.1	525.3	423.7	101.69	5.166	
16,600.0	10,509.3	16,396.7	10,319.3	52.1	50.1	68.86	6,249.0	111.0	525.3	422.6	102.70	5.115	
16,625.0	10,509.3	16,421.7	10,319.3	52.3	50.2	68.86	6,274.0	110.9	525.4	422.3	103.06	5.097	
16,700.0	10,509.5	16,496.7	10,319.5	52.8	50.8	68.86	6,349.0	110.7	525.4	421.2	104.15	5.044	
16,720.0	10,509.6	16,516.7	10,319.6	52.9	50.9	68.86	6,369.0	110.7	525.4	420.9	104.44	5.030	
16,800.0	10,509.8	16,596.7	10,319.8	53.5	51.5	68.85	6,449.0	110.5	525.4	419.8	105.60	4.975	
16,815.0	10,509.9	16,611.7	10,319.8	53.6	51.6	68.85	6,464.0	110.5	525.4	419.5	105.82	4.965	
16,900.0	10,510.1	16,696.7	10,320.1	54.2	52.3	68.85	6,549.0	110.3	525.4	418.3	107.05	4.908	
16,910.0	10,510.1	16,706.7	10,320.1	54.3	52.3	68.85	6,559.0	110.3	525.4	418.2	107.20	4.901	
17,000.0	10,510.4	16,796.7	10,320.3	54.9	53.0	68.85	6,649.0	110.1	525.4	416.9	108.51	4.842	
17,005.0	10,510.4	16,801.7	10,320.3	55.0	53.0	68.85	6,654.0	110.1	525.4	416.8	108.58	4.839	
17,100.0	10,510.7	16,896.7	10,320.6	55.6	53.7	68.85	6,749.0	109.8	525.4	415.4	109.97	4.778	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	10,510.9	16,991.7	10,320.8	56.3	54.5	68.85	6,844.0	109.6	525.4	414.0	111.35	4.718	
17,200.0	10,510.9	16,996.7	10,320.9	56.4	54.5	68.85	6,849.0	109.6	525.4	414.0	111.43	4.715	
17,290.0	10,511.2	17,086.7	10,321.1	57.0	55.2	68.85	6,939.0	109.4	525.4	412.7	112.74	4.660	
17,300.0	10,511.2	17,096.7	10,321.1	57.1	55.2	68.85	6,949.0	109.4	525.4	412.5	112.89	4.654	
17,385.0	10,511.5	17,181.7	10,321.4	57.7	55.9	68.84	7,034.0	109.2	525.4	411.3	114.13	4.603	
17,400.0	10,511.5	17,196.7	10,321.4	57.8	56.0	68.84	7,049.0	109.2	525.4	411.0	114.35	4.595	
17,480.0	10,511.7	17,276.7	10,321.6	58.4	56.6	68.84	7,129.0	109.0	525.4	409.9	115.52	4.548	
17,500.0	10,511.8	17,296.7	10,321.7	58.5	56.7	68.84	7,149.0	108.9	525.4	409.6	115.82	4.537	
17,575.0	10,512.0	17,371.7	10,321.9	59.0	57.3	68.84	7,224.0	108.8	525.4	408.5	116.92	4.494	
17,600.0	10,512.1	17,396.7	10,321.9	59.2	57.5	68.84	7,249.0	108.7	525.4	408.1	117.28	4.480	
17,670.0	10,512.3	17,466.7	10,322.1	59.7	58.0	68.84	7,319.0	108.5	525.4	407.1	118.31	4.441	
17,700.0	10,512.4	17,496.7	10,322.2	59.9	58.2	68.84	7,349.0	108.5	525.4	406.7	118.75	4.424	
17,765.0	10,512.5	17,561.7	10,322.4	60.4	58.7	68.84	7,414.0	108.3	525.4	405.7	119.71	4.389	
17,800.0	10,512.6	17,596.7	10,322.5	60.7	58.9	68.84	7,449.0	108.2	525.4	405.2	120.22	4.370	
17,860.0	10,512.8	17,656.7	10,322.6	61.1	59.4	68.84	7,509.0	108.1	525.4	404.3	121.11	4.339	
17,900.0	10,512.9	17,696.7	10,322.7	61.4	59.7	68.84	7,549.0	108.0	525.4	403.7	121.69	4.318	
17,955.0	10,513.1	17,751.7	10,322.9	61.8	60.1	68.83	7,604.0	107.9	525.4	402.9	122.50	4.289	
18,000.0	10,513.2	17,796.7	10,323.0	62.1	60.4	68.83	7,649.0	107.8	525.4	402.3	123.17	4.266	
18,050.0	10,513.3	17,846.7	10,323.1	62.5	60.8	68.83	7,699.0	107.7	525.4	401.5	123.90	4.241	
18,100.0	10,513.5	17,896.7	10,323.2	62.8	61.2	68.83	7,749.0	107.6	525.4	400.8	124.64	4.216	
18,145.0	10,513.6	17,941.7	10,323.4	63.2	61.5	68.83	7,794.0	107.5	525.4	400.1	125.31	4.193	
18,200.0	10,513.8	17,996.7	10,323.5	63.6	61.9	68.83	7,849.0	107.3	525.4	399.3	126.12	4.166	
18,240.0	10,513.9	18,036.7	10,323.6	63.9	62.2	68.83	7,889.0	107.3	525.5	398.7	126.71	4.147	
18,300.0	10,514.1	18,096.7	10,323.8	64.3	62.7	68.83	7,948.9	107.1	525.5	397.9	127.60	4.118	
18,335.0	10,514.2	18,131.7	10,323.9	64.5	62.9	68.83	7,983.9	107.0	525.5	397.3	128.11	4.101	
18,400.0	10,514.3	18,196.7	10,324.0	65.0	63.4	68.83	8,048.9	106.9	525.5	396.4	129.08	4.071	
18,430.0	10,514.4	18,226.7	10,324.1	65.2	63.6	68.83	8,078.9	106.8	525.5	395.9	129.52	4.057	
18,500.0	10,514.6	18,296.7	10,324.3	65.7	64.2	68.82	8,148.9	106.7	525.5	394.9	130.56	4.025	
18,525.0	10,514.7	18,321.7	10,324.4	65.9	64.3	68.82	8,173.9	106.6	525.5	394.5	130.93	4.013	
18,600.0	10,514.9	18,396.7	10,324.6	66.5	64.9	68.82	8,248.9	106.4	525.5	393.4	132.04	3.980	
18,620.0	10,515.0	18,416.7	10,324.6	66.6	65.1	68.82	8,268.9	106.4	525.5	393.1	132.33	3.971	
18,700.0	10,515.2	18,496.7	10,324.8	67.2	65.6	68.82	8,348.9	106.2	525.5	392.0	133.52	3.936	
18,715.0	10,515.2	18,511.7	10,324.9	67.3	65.8	68.82	8,363.9	106.2	525.5	391.7	133.74	3.929	
18,800.0	10,515.5	18,596.7	10,325.1	67.9	66.4	68.82	8,448.9	106.0	525.5	390.5	135.00	3.892	
18,810.0	10,515.5	18,606.7	10,325.1	68.0	66.5	68.82	8,458.9	106.0	525.5	390.3	135.15	3.888	
18,900.0	10,515.7	18,696.7	10,325.4	68.7	67.1	68.82	8,548.9	105.8	525.5	389.0	136.49	3.850	
18,905.0	10,515.8	18,701.7	10,325.4	68.7	67.2	68.82	8,553.9	105.7	525.5	388.9	136.56	3.848	
19,000.0	10,516.0	18,796.7	10,325.6	69.4	67.9	68.82	8,648.9	105.5	525.5	387.5	137.97	3.809	
19,095.0	10,516.3	18,891.7	10,325.9	70.1	68.6	68.81	8,743.9	105.3	525.5	386.1	139.39	3.770	
19,100.0	10,516.3	18,896.7	10,325.9	70.1	68.6	68.81	8,748.9	105.3	525.5	386.0	139.46	3.768	
19,190.0	10,516.6	18,986.7	10,326.1	70.8	69.3	68.81	8,838.9	105.1	525.5	384.7	140.80	3.732	
19,200.0	10,516.6	18,996.7	10,326.2	70.9	69.4	68.81	8,848.9	105.1	525.5	384.6	140.95	3.728	
19,285.0	10,516.8	19,081.7	10,326.4	71.5	70.0	68.81	8,933.9	104.9	525.5	383.3	142.21	3.695	
19,300.0	10,516.9	19,096.7	10,326.4	71.6	70.1	68.81	8,948.9	104.8	525.5	383.1	142.44	3.689	
19,380.0	10,517.1	19,176.7	10,326.6	72.2	70.7	68.81	9,028.9	104.7	525.5	381.9	143.63	3.659	
19,400.0	10,517.2	19,196.7	10,326.7	72.3	70.9	68.81	9,048.9	104.6	525.5	381.6	143.93	3.651	
19,475.0	10,517.4	19,271.7	10,326.9	72.9	71.5	68.81	9,123.9	104.4	525.5	380.5	145.05	3.623	
19,500.0	10,517.4	19,296.7	10,327.0	73.1	71.6	68.81	9,148.9	104.4	525.5	380.1	145.42	3.614	
19,570.0	10,517.6	19,366.7	10,327.1	73.6	72.2	68.81	9,218.9	104.2	525.5	379.1	146.46	3.588	
19,600.0	10,517.7	19,396.7	10,327.2	73.8	72.4	68.81	9,248.9	104.2	525.5	378.6	146.91	3.577	
19,665.0	10,517.9	19,461.7	10,327.4	74.3	72.9	68.80	9,313.9	104.0	525.5	377.7	147.88	3.554	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	10,518.0	19,496.7	10,327.5	74.5	73.1	68.80	9,348.9	103.9	525.5	377.1	148.40	3.541	
19,760.0	10,518.2	19,556.7	10,327.6	75.0	73.6	68.80	9,408.9	103.8	525.5	376.2	149.30	3.520	
19,800.0	10,518.3	19,596.7	10,327.8	75.3	73.9	68.80	9,448.9	103.7	525.5	375.7	149.90	3.506	
19,855.0	10,518.4	19,651.7	10,327.9	75.7	74.3	68.80	9,503.9	103.6	525.6	374.8	150.72	3.487	
19,900.0	10,518.6	19,696.7	10,328.0	76.0	74.6	68.80	9,548.9	103.5	525.6	374.2	151.39	3.472	
19,950.0	10,518.7	19,746.7	10,328.2	76.4	75.0	68.80	9,598.9	103.4	525.6	373.4	152.14	3.454	
20,000.0	10,518.8	19,796.7	10,328.3	76.7	75.4	68.80	9,648.9	103.3	525.6	372.7	152.88	3.438	
20,045.0	10,519.0	19,841.7	10,328.4	77.1	75.7	68.80	9,693.9	103.2	525.6	372.0	153.56	3.423	
20,100.0	10,519.1	19,896.7	10,328.5	77.5	76.1	68.80	9,748.9	103.0	525.6	371.2	154.38	3.404	
20,140.0	10,519.2	19,936.7	10,328.7	77.8	76.4	68.80	9,788.9	102.9	525.6	370.6	154.98	3.391	
20,200.0	10,519.4	19,996.7	10,328.8	78.2	76.9	68.80	9,848.9	102.8	525.6	369.7	155.88	3.372	
20,235.0	10,519.5	20,031.7	10,328.9	78.5	77.2	68.79	9,883.9	102.7	525.6	369.2	156.40	3.360	
20,300.0	10,519.7	20,096.7	10,329.1	79.0	77.6	68.79	9,948.9	102.6	525.6	368.2	157.37	3.340	
20,330.0	10,519.8	20,126.7	10,329.2	79.2	77.9	68.79	9,978.9	102.5	525.6	367.8	157.82	3.330	
20,400.0	10,520.0	20,196.7	10,329.3	79.7	78.4	68.79	10,048.9	102.4	525.6	366.7	158.87	3.308	
20,425.0	10,520.0	20,221.7	10,329.4	79.9	78.6	68.79	10,073.9	102.3	525.6	366.3	159.25	3.300	
20,500.0	10,520.3	20,296.7	10,329.6	80.4	79.2	68.79	10,148.9	102.1	525.6	365.2	160.37	3.277	
20,520.0	10,520.3	20,316.7	10,329.7	80.6	79.3	68.79	10,168.9	102.1	525.6	364.9	160.67	3.271	
20,600.0	10,520.5	20,396.7	10,329.9	81.2	79.9	68.79	10,248.9	101.9	525.6	363.7	161.87	3.247	
20,615.0	10,520.6	20,411.7	10,329.9	81.3	80.0	68.79	10,263.9	101.9	525.6	363.5	162.09	3.243	
20,700.0	10,520.8	20,496.7	10,330.1	81.9	80.7	68.79	10,348.9	101.7	525.6	362.2	163.37	3.217	
20,710.0	10,520.9	20,506.7	10,330.2	82.0	80.7	68.79	10,358.9	101.6	525.6	362.1	163.52	3.214	
20,800.0	10,521.1	20,596.7	10,330.4	82.7	81.4	68.79	10,448.9	101.4	525.6	360.7	164.87	3.188	
20,805.0	10,521.1	20,601.7	10,330.4	82.7	81.4	68.78	10,453.9	101.4	525.6	360.7	164.95	3.187	
20,900.0	10,521.4	20,696.7	10,330.7	83.4	82.2	68.78	10,548.9	101.2	525.6	359.2	166.37	3.159	
20,995.0	10,521.7	20,791.7	10,330.9	84.1	82.9	68.78	10,643.9	101.0	525.6	357.8	167.80	3.132	
21,000.0	10,521.7	20,796.7	10,330.9	84.1	82.9	68.78	10,648.9	101.0	525.6	357.7	167.87	3.131	
21,090.0	10,521.9	20,886.7	10,331.2	84.8	83.6	68.78	10,738.9	100.8	525.6	356.4	169.23	3.106	
21,100.0	10,522.0	20,896.7	10,331.2	84.9	83.7	68.78	10,748.9	100.8	525.6	356.3	169.38	3.103	
21,185.0	10,522.2	20,981.7	10,331.4	85.5	84.3	68.78	10,833.9	100.6	525.6	355.0	170.65	3.080	
21,200.0	10,522.2	20,996.7	10,331.5	85.6	84.4	68.78	10,848.9	100.5	525.6	354.8	170.88	3.076	
21,280.0	10,522.5	21,076.7	10,331.7	86.2	85.0	68.78	10,928.9	100.4	525.6	353.6	172.08	3.055	
21,300.0	10,522.5	21,096.7	10,331.7	86.4	85.2	68.78	10,948.9	100.3	525.6	353.3	172.38	3.049	
21,375.0	10,522.7	21,171.7	10,331.9	86.9	85.7	68.78	11,023.9	100.1	525.6	352.1	173.51	3.029	
21,400.0	10,522.8	21,196.7	10,332.0	87.1	85.9	68.77	11,048.9	100.1	525.6	351.8	173.89	3.023	
21,470.0	10,523.0	21,266.7	10,332.2	87.6	86.5	68.77	11,118.9	99.9	525.7	350.7	174.94	3.005	
21,500.0	10,523.1	21,296.7	10,332.3	87.9	86.7	68.77	11,148.9	99.9	525.7	350.3	175.39	2.997	
21,565.0	10,523.3	21,361.7	10,332.4	88.3	87.2	68.77	11,213.9	99.7	525.7	349.3	176.37	2.980	
21,600.0	10,523.4	21,396.7	10,332.5	88.6	87.4	68.77	11,248.9	99.6	525.7	348.8	176.89	2.972	
21,660.0	10,523.5	21,456.7	10,332.7	89.1	87.9	68.77	11,308.9	99.5	525.7	347.9	177.80	2.957	
21,700.0	10,523.6	21,496.7	10,332.8	89.4	88.2	68.77	11,348.9	99.4	525.7	347.3	178.40	2.947	
21,755.0	10,523.8	21,551.7	10,332.9	89.8	88.6	68.77	11,403.9	99.3	525.7	346.4	179.23	2.933	
21,800.0	10,523.9	21,596.7	10,333.1	90.1	89.0	68.77	11,448.9	99.2	525.7	345.8	179.91	2.922	
21,850.0	10,524.1	21,646.7	10,333.2	90.5	89.3	68.77	11,498.9	99.1	525.7	345.0	180.66	2.910	
21,900.0	10,524.2	21,696.7	10,333.3	90.8	89.7	68.77	11,548.9	99.0	525.7	344.3	181.41	2.898	
21,945.0	10,524.3	21,741.7	10,333.4	91.2	90.0	68.77	11,593.9	98.8	525.7	343.6	182.09	2.887	
22,000.0	10,524.5	21,796.7	10,333.6	91.6	90.5	68.76	11,648.9	98.7	525.7	342.8	182.92	2.874	
22,040.0	10,524.6	21,836.7	10,333.7	91.9	90.8	68.76	11,688.9	98.6	525.7	342.2	183.52	2.864	
22,100.0	10,524.8	21,896.7	10,333.9	92.3	91.2	68.76	11,748.9	98.5	525.7	341.3	184.43	2.850	
22,135.0	10,524.9	21,931.7	10,333.9	92.6	91.5	68.76	11,783.9	98.4	525.7	340.7	184.95	2.842	
22,200.0	10,525.1	21,996.7	10,334.1	93.1	92.0	68.76	11,848.9	98.3	525.7	339.8	185.93	2.827	

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 #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #909H - 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, 9736-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	10,525.1	22,026.7	10,334.2	93.3	92.2	68.76	11,878.9	98.2	525.7	339.3	186.39	2.820	
22,300.0	10,525.3	22,096.7	10,334.4	93.8	92.7	68.76	11,948.9	98.0	525.7	338.3	187.44	2.805	
22,325.0	10,525.4	22,121.7	10,334.4	94.0	92.9	68.76	11,973.9	98.0	525.7	337.9	187.82	2.799	
22,404.7	10,525.6	22,201.4	10,334.7	94.6	93.5	68.76	12,053.6	97.8	525.7	336.7	189.02	2.781	
22,420.0	10,525.7	22,216.7	10,334.7	94.7	93.6	68.76	12,068.9	97.8	525.7	336.5	189.25	2.778	
22,500.0	10,525.9	22,296.7	10,334.9	95.3	94.2	68.76	12,148.9	97.6	525.7	335.3	190.46	2.760	
22,515.0	10,525.9	22,311.7	10,335.0	95.4	94.4	68.76	12,163.9	97.6	525.7	335.0	190.69	2.757	
22,516.4	10,525.9	22,313.1	10,335.0	95.4	94.4	68.76	12,165.4	97.6	525.7	335.0	190.71	2.757	
22,534.7	10,526.0	22,330.0	10,335.0	95.6	94.5	68.76	12,182.3	97.5	525.7	334.7	190.97	2.753	SF

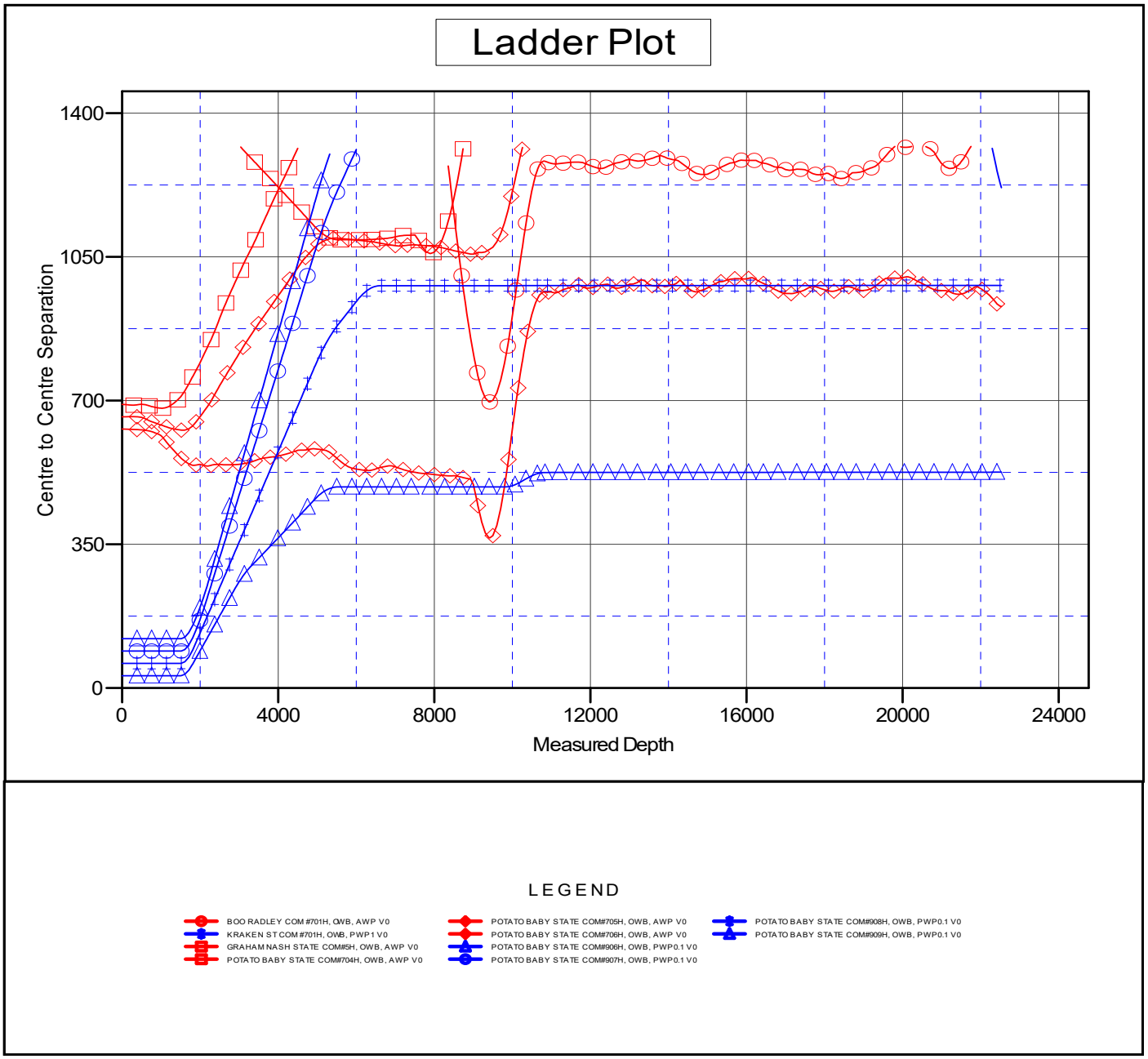
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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 3073.6ft @ 3105.6usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #910H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.13°



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

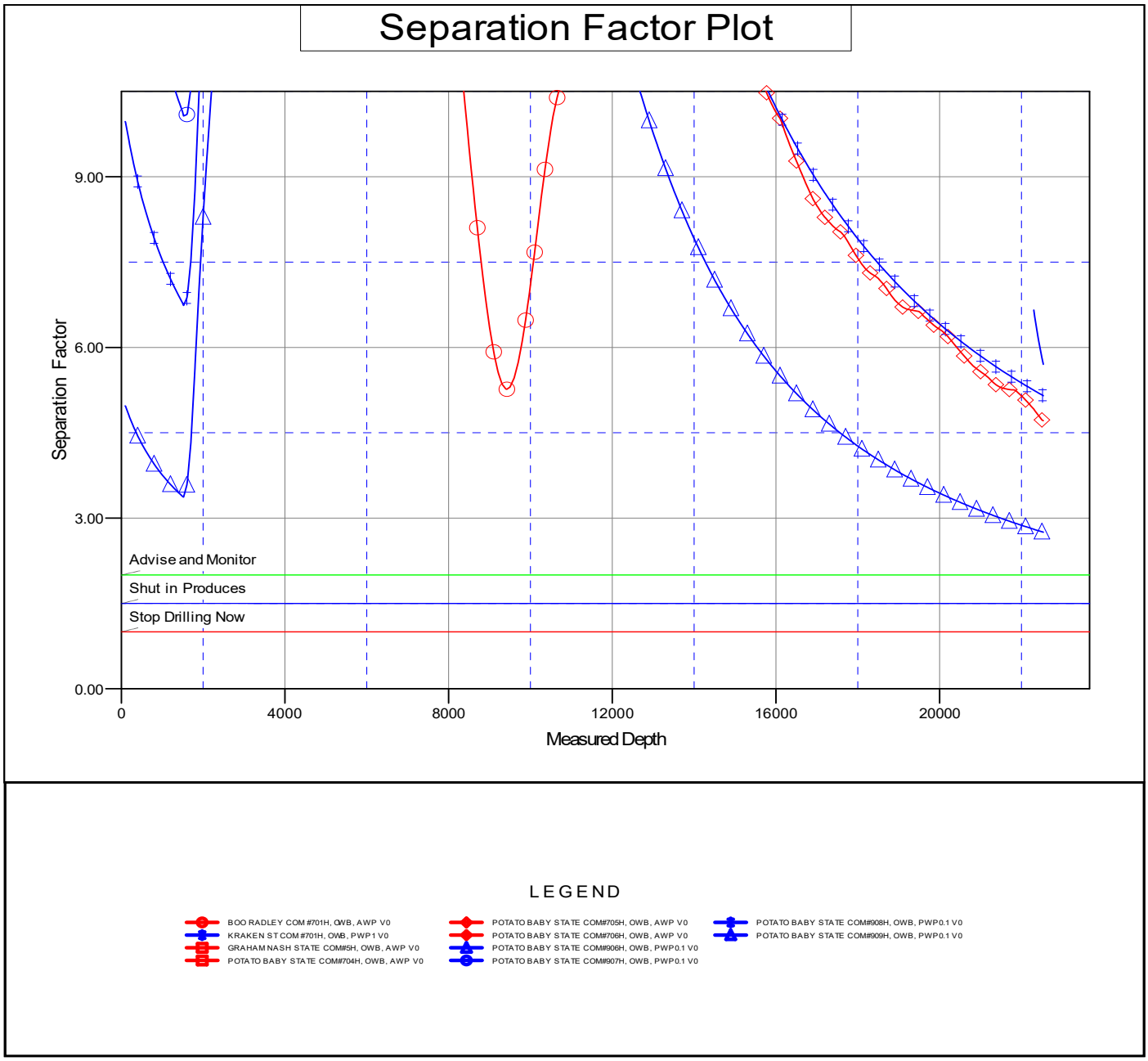
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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 3073.6ft @ 3105.6usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #910H
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 #910H

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 #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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 #910H				
Well Position	**+N/-S**	366.7 usft	**Northing:**	364,183.52 usft	**Latitude:**	32° 0' 3.608 N
	+E/-W	866.9 usft	**Easting:**	578,338.30 usft	**Longitude:**	104° 4' 50.241 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,073.6 usft

Wellbore	OWB				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2022	12/1/2023	6.59	59.52	47,284.99476116

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	358.15

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	9,938.9	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	9,938.9	22,534.7	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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	
1,800.0	6.00	256.62	1,799.4	-3.6	-15.3	2.00	2.00	0.00	256.62	
4,935.9	6.00	256.62	4,918.2	-79.5	-334.1	0.00	0.00	0.00	0.00	
5,535.8	0.00	0.00	5,517.0	-86.7	-364.6	1.00	-1.00	0.00	180.00	
9,938.9	0.00	0.00	9,920.0	-86.7	-364.6	0.00	0.00	0.00	0.00	
10,837.2	89.84	359.87	10,493.0	484.6	-365.9	10.00	10.00	-0.01	359.87	
22,404.7	89.84	359.87	10,525.6	12,052.0	-392.2	0.00	0.00	0.00	0.00	LTP (POTATO BABY
22,534.7	89.84	359.87	10,526.0	12,182.0	-392.5	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 #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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	256.62	1,600.0	-0.4	-1.7	-0.3	2.00	2.00	0.00
1,700.0	4.00	256.62	1,699.8	-1.6	-6.8	-1.4	2.00	2.00	0.00
1,800.0	6.00	256.62	1,799.4	-3.6	-15.3	-3.1	2.00	2.00	0.00
Start 3135.9 hold at 1800.0 MD									
1,900.0	6.00	256.62	1,898.9	-6.0	-25.4	-5.2	0.00	0.00	0.00
2,000.0	6.00	256.62	1,998.4	-8.5	-35.6	-7.3	0.00	0.00	0.00
2,100.0	6.00	256.62	2,097.8	-10.9	-45.8	-9.4	0.00	0.00	0.00
2,200.0	6.00	256.62	2,197.3	-13.3	-55.9	-11.5	0.00	0.00	0.00
2,300.0	6.00	256.62	2,296.7	-15.7	-66.1	-13.6	0.00	0.00	0.00
2,400.0	6.00	256.62	2,396.2	-18.1	-76.3	-15.7	0.00	0.00	0.00
2,500.0	6.00	256.62	2,495.6	-20.6	-86.4	-17.8	0.00	0.00	0.00
2,600.0	6.00	256.62	2,595.1	-23.0	-96.6	-19.8	0.00	0.00	0.00
2,700.0	6.00	256.62	2,694.5	-25.4	-106.8	-21.9	0.00	0.00	0.00
2,800.0	6.00	256.62	2,794.0	-27.8	-116.9	-24.0	0.00	0.00	0.00
2,900.0	6.00	256.62	2,893.4	-30.2	-127.1	-26.1	0.00	0.00	0.00
3,000.0	6.00	256.62	2,992.9	-32.6	-137.3	-28.2	0.00	0.00	0.00
3,100.0	6.00	256.62	3,092.3	-35.1	-147.5	-30.3	0.00	0.00	0.00
3,200.0	6.00	256.62	3,191.8	-37.5	-157.6	-32.4	0.00	0.00	0.00
3,300.0	6.00	256.62	3,291.2	-39.9	-167.8	-34.5	0.00	0.00	0.00
3,400.0	6.00	256.62	3,390.7	-42.3	-178.0	-36.6	0.00	0.00	0.00
3,500.0	6.00	256.62	3,490.1	-44.7	-188.1	-38.6	0.00	0.00	0.00
3,600.0	6.00	256.62	3,589.6	-47.2	-198.3	-40.7	0.00	0.00	0.00
3,700.0	6.00	256.62	3,689.0	-49.6	-208.5	-42.8	0.00	0.00	0.00
3,800.0	6.00	256.62	3,788.5	-52.0	-218.6	-44.9	0.00	0.00	0.00
3,900.0	6.00	256.62	3,888.0	-54.4	-228.8	-47.0	0.00	0.00	0.00
4,000.0	6.00	256.62	3,987.4	-56.8	-239.0	-49.1	0.00	0.00	0.00
4,100.0	6.00	256.62	4,086.9	-59.2	-249.1	-51.2	0.00	0.00	0.00
4,200.0	6.00	256.62	4,186.3	-61.7	-259.3	-53.3	0.00	0.00	0.00
4,300.0	6.00	256.62	4,285.8	-64.1	-269.5	-55.4	0.00	0.00	0.00
4,400.0	6.00	256.62	4,385.2	-66.5	-279.6	-57.4	0.00	0.00	0.00
4,500.0	6.00	256.62	4,484.7	-68.9	-289.8	-59.5	0.00	0.00	0.00
4,600.0	6.00	256.62	4,584.1	-71.3	-300.0	-61.6	0.00	0.00	0.00
4,700.0	6.00	256.62	4,683.6	-73.7	-310.1	-63.7	0.00	0.00	0.00
4,800.0	6.00	256.62	4,783.0	-76.2	-320.3	-65.8	0.00	0.00	0.00
4,900.0	6.00	256.62	4,882.5	-78.6	-330.5	-67.9	0.00	0.00	0.00
4,935.9	6.00	256.62	4,918.2	-79.5	-334.1	-68.6	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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 Drop -1.00									
5,000.0	5.36	256.62	4,982.0	-80.9	-340.3	-69.9	1.00	-1.00	0.00
5,100.0	4.36	256.62	5,081.6	-82.9	-348.5	-71.6	1.00	-1.00	0.00
5,200.0	3.36	256.62	5,181.4	-84.4	-355.1	-72.9	1.00	-1.00	0.00
5,300.0	2.36	256.62	5,281.2	-85.6	-359.9	-73.9	1.00	-1.00	0.00
5,400.0	1.36	256.62	5,381.2	-86.3	-363.1	-74.6	1.00	-1.00	0.00
5,500.0	0.36	256.62	5,481.2	-86.7	-364.5	-74.9	1.00	-1.00	0.00
5,535.8	0.00	0.00	5,517.0	-86.7	-364.6	-74.9	1.00	-1.00	288.62
Start 4403.0 hold at 5535.8 MD									
5,600.0	0.00	0.00	5,581.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,681.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,781.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,881.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,981.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,081.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,181.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,281.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,381.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,481.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,581.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,681.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,781.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,881.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,981.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,081.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,181.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,281.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,381.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,481.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,581.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,681.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,781.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,881.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,981.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,081.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,181.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,281.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,381.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,481.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,581.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,681.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,781.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,881.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,981.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,081.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,181.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,281.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,381.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,481.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,581.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,681.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,781.2	-86.7	-364.6	-74.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,881.2	-86.7	-364.6	-74.9	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,938.9	0.00	0.00	9,920.0	-86.7	-364.6	-74.9	0.00	0.00	0.00
Start DLS 10.00 TFO 359.87									
9,950.0	1.11	359.87	9,931.2	-86.6	-364.7	-74.8	10.00	10.00	0.00
10,000.0	6.11	359.87	9,981.1	-83.5	-364.7	-71.7	10.00	10.00	0.00
10,050.0	11.11	359.87	10,030.5	-76.0	-364.7	-64.2	10.00	10.00	0.00
10,100.0	16.11	359.87	10,079.1	-64.2	-364.7	-52.4	10.00	10.00	0.00
10,150.0	21.11	359.87	10,126.4	-48.2	-364.7	-36.5	10.00	10.00	0.00
10,200.0	26.11	359.87	10,172.2	-28.2	-364.8	-16.5	10.00	10.00	0.00
10,250.0	31.11	359.87	10,216.1	-4.3	-364.8	7.5	10.00	10.00	0.00
10,300.0	36.11	359.87	10,257.7	23.4	-364.9	35.1	10.00	10.00	0.00
10,350.0	41.11	359.87	10,296.8	54.6	-365.0	66.3	10.00	10.00	0.00
10,400.0	46.11	359.87	10,333.0	89.1	-365.0	100.8	10.00	10.00	0.00
10,450.0	51.11	359.87	10,366.0	126.6	-365.1	138.3	10.00	10.00	0.00
10,500.0	56.11	359.87	10,395.7	166.8	-365.2	178.5	10.00	10.00	0.00
10,550.0	61.11	359.87	10,421.7	209.5	-365.3	221.1	10.00	10.00	0.00
10,600.0	66.11	359.87	10,443.9	254.2	-365.4	265.9	10.00	10.00	0.00
10,650.0	71.11	359.87	10,462.2	300.8	-365.5	312.4	10.00	10.00	0.00
10,700.0	76.11	359.87	10,476.3	348.7	-365.6	360.3	10.00	10.00	0.00
10,750.0	81.11	359.87	10,486.1	397.7	-365.7	409.3	10.00	10.00	0.00
10,800.0	86.11	359.87	10,491.7	447.4	-365.9	459.0	10.00	10.00	0.00
10,837.2	89.84	359.87	10,493.0	484.6	-365.9	496.2	10.00	10.00	0.00
Start 11567.4 hold at 10837.2 MD									
10,900.0	89.84	359.87	10,493.2	547.4	-366.1	558.9	0.00	0.00	0.00
11,000.0	89.84	359.87	10,493.5	647.4	-366.3	658.9	0.00	0.00	0.00
11,100.0	89.84	359.87	10,493.7	747.4	-366.5	758.8	0.00	0.00	0.00
11,200.0	89.84	359.87	10,494.0	847.4	-366.8	858.8	0.00	0.00	0.00
11,300.0	89.84	359.87	10,494.3	947.4	-367.0	958.7	0.00	0.00	0.00
11,400.0	89.84	359.87	10,494.6	1,047.4	-367.2	1,058.7	0.00	0.00	0.00
11,500.0	89.84	359.87	10,494.9	1,147.4	-367.4	1,158.6	0.00	0.00	0.00
11,600.0	89.84	359.87	10,495.2	1,247.4	-367.7	1,258.6	0.00	0.00	0.00
11,700.0	89.84	359.87	10,495.4	1,347.4	-367.9	1,358.5	0.00	0.00	0.00
11,800.0	89.84	359.87	10,495.7	1,447.4	-368.1	1,458.5	0.00	0.00	0.00
11,900.0	89.84	359.87	10,496.0	1,547.4	-368.4	1,558.4	0.00	0.00	0.00
12,000.0	89.84	359.87	10,496.3	1,647.4	-368.6	1,658.4	0.00	0.00	0.00
12,100.0	89.84	359.87	10,496.6	1,747.4	-368.8	1,758.4	0.00	0.00	0.00
12,200.0	89.84	359.87	10,496.8	1,847.4	-369.0	1,858.3	0.00	0.00	0.00
12,300.0	89.84	359.87	10,497.1	1,947.4	-369.3	1,958.3	0.00	0.00	0.00
12,400.0	89.84	359.87	10,497.4	2,047.4	-369.5	2,058.2	0.00	0.00	0.00
12,500.0	89.84	359.87	10,497.7	2,147.4	-369.7	2,158.2	0.00	0.00	0.00
12,600.0	89.84	359.87	10,498.0	2,247.4	-369.9	2,258.1	0.00	0.00	0.00
12,700.0	89.84	359.87	10,498.3	2,347.4	-370.2	2,358.1	0.00	0.00	0.00
12,800.0	89.84	359.87	10,498.5	2,447.4	-370.4	2,458.0	0.00	0.00	0.00
12,900.0	89.84	359.87	10,498.8	2,547.4	-370.6	2,558.0	0.00	0.00	0.00
13,000.0	89.84	359.87	10,499.1	2,647.4	-370.9	2,657.9	0.00	0.00	0.00
13,100.0	89.84	359.87	10,499.4	2,747.4	-371.1	2,757.9	0.00	0.00	0.00
13,200.0	89.84	359.87	10,499.7	2,847.4	-371.3	2,857.9	0.00	0.00	0.00
13,300.0	89.84	359.87	10,499.9	2,947.4	-371.5	2,957.8	0.00	0.00	0.00
13,400.0	89.84	359.87	10,500.2	3,047.4	-371.8	3,057.8	0.00	0.00	0.00
13,500.0	89.84	359.87	10,500.5	3,147.4	-372.0	3,157.7	0.00	0.00	0.00
13,600.0	89.84	359.87	10,500.8	3,247.4	-372.2	3,257.7	0.00	0.00	0.00
13,700.0	89.84	359.87	10,501.1	3,347.4	-372.4	3,357.6	0.00	0.00	0.00
13,800.0	89.84	359.87	10,501.4	3,447.4	-372.7	3,457.6	0.00	0.00	0.00
13,900.0	89.84	359.87	10,501.6	3,547.4	-372.9	3,557.5	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,000.0	89.84	359.87	10,501.9	3,647.4	-373.1	3,657.5	0.00	0.00	0.00
14,100.0	89.84	359.87	10,502.2	3,747.4	-373.3	3,757.4	0.00	0.00	0.00
14,200.0	89.84	359.87	10,502.5	3,847.4	-373.6	3,857.4	0.00	0.00	0.00
14,300.0	89.84	359.87	10,502.8	3,947.4	-373.8	3,957.4	0.00	0.00	0.00
14,400.0	89.84	359.87	10,503.1	4,047.4	-374.0	4,057.3	0.00	0.00	0.00
14,500.0	89.84	359.87	10,503.3	4,147.4	-374.3	4,157.3	0.00	0.00	0.00
14,600.0	89.84	359.87	10,503.6	4,247.4	-374.5	4,257.2	0.00	0.00	0.00
14,700.0	89.84	359.87	10,503.9	4,347.4	-374.7	4,357.2	0.00	0.00	0.00
14,800.0	89.84	359.87	10,504.2	4,447.4	-374.9	4,457.1	0.00	0.00	0.00
14,900.0	89.84	359.87	10,504.5	4,547.4	-375.2	4,557.1	0.00	0.00	0.00
15,000.0	89.84	359.87	10,504.7	4,647.4	-375.4	4,657.0	0.00	0.00	0.00
15,100.0	89.84	359.87	10,505.0	4,747.4	-375.6	4,757.0	0.00	0.00	0.00
15,200.0	89.84	359.87	10,505.3	4,847.4	-375.8	4,856.9	0.00	0.00	0.00
15,300.0	89.84	359.87	10,505.6	4,947.4	-376.1	4,956.9	0.00	0.00	0.00
15,400.0	89.84	359.87	10,505.9	5,047.4	-376.3	5,056.9	0.00	0.00	0.00
15,500.0	89.84	359.87	10,506.2	5,147.4	-376.5	5,156.8	0.00	0.00	0.00
15,600.0	89.84	359.87	10,506.4	5,247.4	-376.7	5,256.8	0.00	0.00	0.00
15,700.0	89.84	359.87	10,506.7	5,347.4	-377.0	5,356.7	0.00	0.00	0.00
15,800.0	89.84	359.87	10,507.0	5,447.4	-377.2	5,456.7	0.00	0.00	0.00
15,900.0	89.84	359.87	10,507.3	5,547.4	-377.4	5,556.6	0.00	0.00	0.00
16,000.0	89.84	359.87	10,507.6	5,647.4	-377.7	5,656.6	0.00	0.00	0.00
16,100.0	89.84	359.87	10,507.8	5,747.4	-377.9	5,756.5	0.00	0.00	0.00
16,200.0	89.84	359.87	10,508.1	5,847.3	-378.1	5,856.5	0.00	0.00	0.00
16,300.0	89.84	359.87	10,508.4	5,947.3	-378.3	5,956.5	0.00	0.00	0.00
16,400.0	89.84	359.87	10,508.7	6,047.3	-378.6	6,056.4	0.00	0.00	0.00
16,500.0	89.84	359.87	10,509.0	6,147.3	-378.8	6,156.4	0.00	0.00	0.00
16,600.0	89.84	359.87	10,509.3	6,247.3	-379.0	6,256.3	0.00	0.00	0.00
16,700.0	89.84	359.87	10,509.5	6,347.3	-379.2	6,356.3	0.00	0.00	0.00
16,800.0	89.84	359.87	10,509.8	6,447.3	-379.5	6,456.2	0.00	0.00	0.00
16,900.0	89.84	359.87	10,510.1	6,547.3	-379.7	6,556.2	0.00	0.00	0.00
17,000.0	89.84	359.87	10,510.4	6,647.3	-379.9	6,656.1	0.00	0.00	0.00
17,100.0	89.84	359.87	10,510.7	6,747.3	-380.1	6,756.1	0.00	0.00	0.00
17,200.0	89.84	359.87	10,510.9	6,847.3	-380.4	6,856.0	0.00	0.00	0.00
17,300.0	89.84	359.87	10,511.2	6,947.3	-380.6	6,956.0	0.00	0.00	0.00
17,400.0	89.84	359.87	10,511.5	7,047.3	-380.8	7,056.0	0.00	0.00	0.00
17,500.0	89.84	359.87	10,511.8	7,147.3	-381.1	7,155.9	0.00	0.00	0.00
17,600.0	89.84	359.87	10,512.1	7,247.3	-381.3	7,255.9	0.00	0.00	0.00
17,700.0	89.84	359.87	10,512.4	7,347.3	-381.5	7,355.8	0.00	0.00	0.00
17,800.0	89.84	359.87	10,512.6	7,447.3	-381.7	7,455.8	0.00	0.00	0.00
17,900.0	89.84	359.87	10,512.9	7,547.3	-382.0	7,555.7	0.00	0.00	0.00
18,000.0	89.84	359.87	10,513.2	7,647.3	-382.2	7,655.7	0.00	0.00	0.00
18,100.0	89.84	359.87	10,513.5	7,747.3	-382.4	7,755.6	0.00	0.00	0.00
18,200.0	89.84	359.87	10,513.8	7,847.3	-382.6	7,855.6	0.00	0.00	0.00
18,300.0	89.84	359.87	10,514.1	7,947.3	-382.9	7,955.5	0.00	0.00	0.00
18,400.0	89.84	359.87	10,514.3	8,047.3	-383.1	8,055.5	0.00	0.00	0.00
18,500.0	89.84	359.87	10,514.6	8,147.3	-383.3	8,155.5	0.00	0.00	0.00
18,600.0	89.84	359.87	10,514.9	8,247.3	-383.6	8,255.4	0.00	0.00	0.00
18,700.0	89.84	359.87	10,515.2	8,347.3	-383.8	8,355.4	0.00	0.00	0.00
18,800.0	89.84	359.87	10,515.5	8,447.3	-384.0	8,455.3	0.00	0.00	0.00
18,900.0	89.84	359.87	10,515.7	8,547.3	-384.2	8,555.3	0.00	0.00	0.00
19,000.0	89.84	359.87	10,516.0	8,647.3	-384.5	8,655.2	0.00	0.00	0.00
19,100.0	89.84	359.87	10,516.3	8,747.3	-384.7	8,755.2	0.00	0.00	0.00
19,200.0	89.84	359.87	10,516.6	8,847.3	-384.9	8,855.1	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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)
19,300.0	89.84	359.87	10,516.9	8,947.3	-385.1	8,955.1	0.00	0.00	0.00
19,400.0	89.84	359.87	10,517.2	9,047.3	-385.4	9,055.0	0.00	0.00	0.00
19,500.0	89.84	359.87	10,517.4	9,147.3	-385.6	9,155.0	0.00	0.00	0.00
19,600.0	89.84	359.87	10,517.7	9,247.3	-385.8	9,255.0	0.00	0.00	0.00
19,700.0	89.84	359.87	10,518.0	9,347.3	-386.0	9,354.9	0.00	0.00	0.00
19,800.0	89.84	359.87	10,518.3	9,447.3	-386.3	9,454.9	0.00	0.00	0.00
19,900.0	89.84	359.87	10,518.6	9,547.3	-386.5	9,554.8	0.00	0.00	0.00
20,000.0	89.84	359.87	10,518.8	9,647.3	-386.7	9,654.8	0.00	0.00	0.00
20,100.0	89.84	359.87	10,519.1	9,747.3	-387.0	9,754.7	0.00	0.00	0.00
20,200.0	89.84	359.87	10,519.4	9,847.3	-387.2	9,854.7	0.00	0.00	0.00
20,300.0	89.84	359.87	10,519.7	9,947.3	-387.4	9,954.6	0.00	0.00	0.00
20,400.0	89.84	359.87	10,520.0	10,047.3	-387.6	10,054.6	0.00	0.00	0.00
20,500.0	89.84	359.87	10,520.3	10,147.3	-387.9	10,154.5	0.00	0.00	0.00
20,600.0	89.84	359.87	10,520.5	10,247.3	-388.1	10,254.5	0.00	0.00	0.00
20,700.0	89.84	359.87	10,520.8	10,347.3	-388.3	10,354.5	0.00	0.00	0.00
20,800.0	89.84	359.87	10,521.1	10,447.3	-388.5	10,454.4	0.00	0.00	0.00
20,900.0	89.84	359.87	10,521.4	10,547.3	-388.8	10,554.4	0.00	0.00	0.00
21,000.0	89.84	359.87	10,521.7	10,647.3	-389.0	10,654.3	0.00	0.00	0.00
21,100.0	89.84	359.87	10,522.0	10,747.3	-389.2	10,754.3	0.00	0.00	0.00
21,200.0	89.84	359.87	10,522.2	10,847.3	-389.4	10,854.2	0.00	0.00	0.00
21,300.0	89.84	359.87	10,522.5	10,947.3	-389.7	10,954.2	0.00	0.00	0.00
21,400.0	89.84	359.87	10,522.8	11,047.3	-389.9	11,054.1	0.00	0.00	0.00
21,500.0	89.84	359.87	10,523.1	11,147.3	-390.1	11,154.1	0.00	0.00	0.00
21,600.0	89.84	359.87	10,523.4	11,247.3	-390.4	11,254.1	0.00	0.00	0.00
21,700.0	89.84	359.87	10,523.6	11,347.3	-390.6	11,354.0	0.00	0.00	0.00
21,800.0	89.84	359.87	10,523.9	11,447.3	-390.8	11,454.0	0.00	0.00	0.00
21,900.0	89.84	359.87	10,524.2	11,547.3	-391.0	11,553.9	0.00	0.00	0.00
22,000.0	89.84	359.87	10,524.5	11,647.3	-391.3	11,653.9	0.00	0.00	0.00
22,100.0	89.84	359.87	10,524.8	11,747.3	-391.5	11,753.8	0.00	0.00	0.00
22,200.0	89.84	359.87	10,525.1	11,847.3	-391.7	11,853.8	0.00	0.00	0.00
22,300.0	89.84	359.87	10,525.3	11,947.3	-391.9	11,953.7	0.00	0.00	0.00
22,404.7	89.84	359.87	10,525.6	12,052.0	-392.2	12,058.4	0.00	0.00	0.00
Start 130.0 hold at 22404.7 MD									
22,500.0	89.84	359.87	10,525.9	12,147.3	-392.4	12,153.6	0.00	0.00	0.00
22,534.7	89.84	359.87	10,526.0	12,182.0	-392.5	12,188.3	0.00	0.00	0.00
TD at 22534.7									

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	10,493.0	-86.7	-364.6	364,096.81	577,973.65	32° 0' 2.759 N	104° 4' 54.478 W
- plan misses target center by 237.4usft at 10394.6usft MD (10329.2 TVD, 85.2 N, -365.0 E)									
- Circle (radius 50.0)									
LTP (POTATO BABY ST	0.00	0.00	10,525.6	12,052.0	-392.2	376,235.52	577,946.12	32° 2' 2.891 N	104° 4' 54.469 W
- plan hits target center									
- Point									
BHL (POTATO BABY ST	0.16	359.87	10,526.0	12,182.0	-392.7	376,365.52	577,945.57	32° 2' 4.178 N	104° 4' 54.472 W
- plan misses target center by 0.3usft at 22534.7usft MD (10526.0 TVD, 12182.0 N, -392.5 E)									
- Rectangle (sides W100.0 H12,269.0 D20.0)									

ConocoPhillips
Planning Report

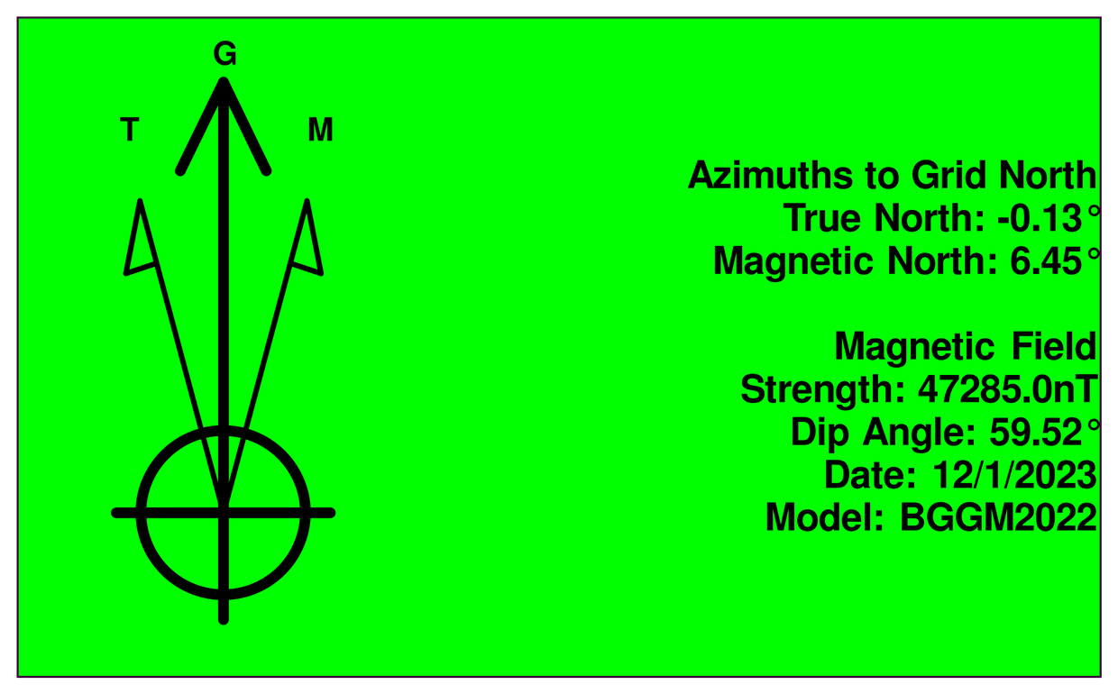
Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #910H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 32ft + GL 3073.6ft @ 3105.6usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #910H	**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
1,800.0	1,799.4	-3.6	-15.3	Start 3135.9 hold at 1800.0 MD
4,935.9	4,918.2	-79.5	-334.1	Start Drop -1.00
5,535.8	5,517.0	-86.7	-364.6	Start 4403.0 hold at 5535.8 MD
9,938.9	9,920.0	-86.7	-364.6	Start DLS 10.00 TFO 359.87
10,837.2	10,493.0	484.6	-365.9	Start 11567.4 hold at 10837.2 MD
22,404.7	10,525.6	12,052.0	-392.2	Start 130.0 hold at 22404.7 MD
22,534.7	10,526.0	12,182.0	-392.5	TD at 22534.7

ConocoPhillips

Project: ATLAS PROSPECT (NM-E)
Site: POTATO BABY STATE PROJECT (ATLAS 2628)
Well: POTATO BABY STATE COM #910H
Wellbore: OWB
Design: PWP0.1
GL: 3073.6
RKB 32ft + GL 3073.6ft @ 3105.6usft

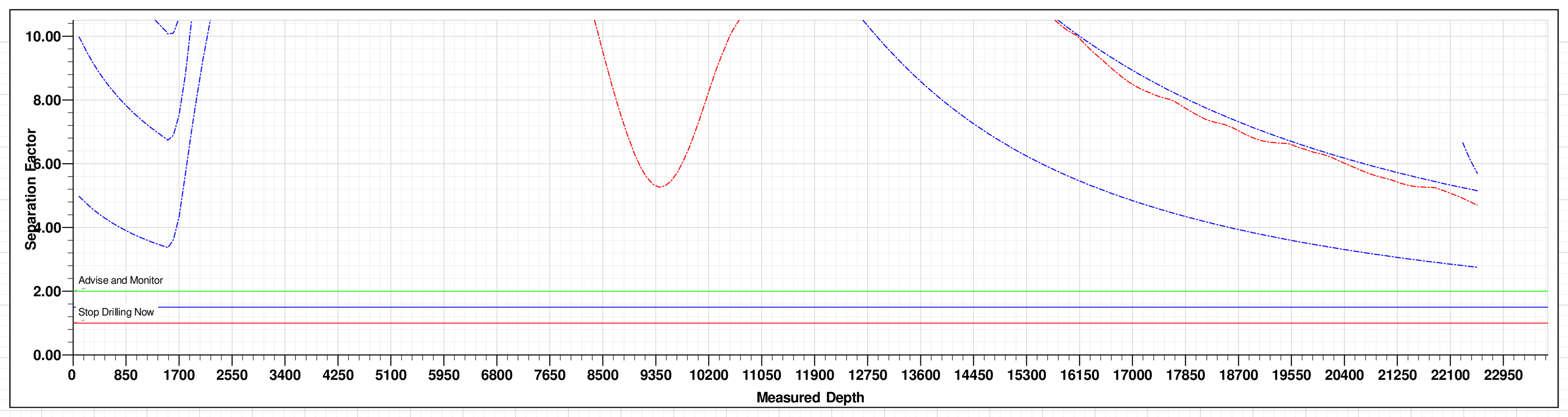


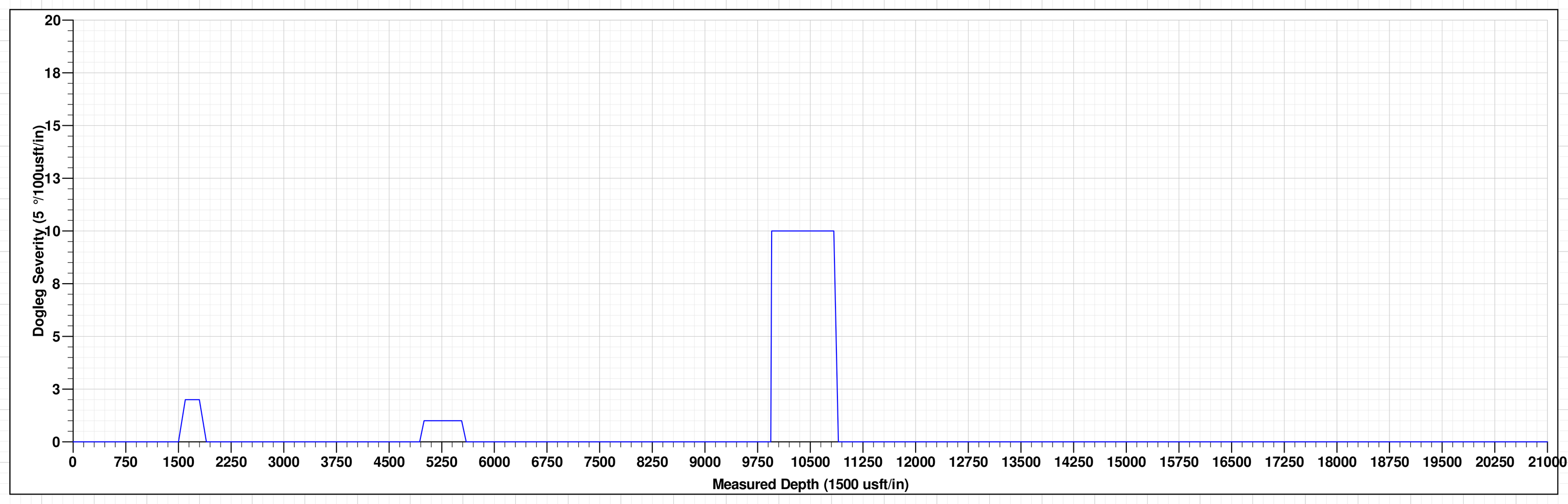
WELL DETAILS: POTATO BABY STATE COM #910H

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	364183.52	578338.30	32° 0' 3.608 N	104° 4' 50.241 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (POTATO BABY STATE COM #910H)	10493.0	-86.7	-364.6	364096.81	577973.65	Circle (Radius: 50.0)
LTP (POTATO BABY STATE COM #910H)	10525.6	12052.0	-392.2	376235.52	577946.12	Point
BHL (POTATO BABY STATE COM #910H)	10526.0	12182.0	-392.7	376365.52	577945.57	Rectangle (Sides: L12269.0 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
1800.0	6.00	256.62	1799.4	-3.6	-15.3	-3.1	15.7	Start 3135.9 hold at 1800.0 MD
4935.9	6.00	256.62	4918.2	-79.5	-334.1	-68.6	343.4	Start Drop -1.00
5535.8	0.00	0.00	5517.0	-86.7	-364.7	-74.9	374.8	Start 4403.0 hold at 5535.8 MD
9938.9	0.00	0.00	9920.0	-86.7	-364.6	-74.9	374.8	Start DLS 10.00 TFO 359.87
10837.2	89.84	359.87	10493.0	484.6	-365.9	496.2	946.2	Start 11567.4 hold at 10837.2 MD
22404.7	89.84	359.87	10525.6	12052.0	-392.2	12058.4	12513.6	Start 130.0 hold at 22404.7 MD
22534.7	89.84	359.87	10526.0	12182.0	-392.5	12188.3	12643.6	TD at 22534.7