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 324613

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 30-015-49967

4. Property Code	5. Property Name	6. Well No.
329348	POTATO BABY STATE COM	901H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	34	26S	28E	4	300	S	765	E	Eddy

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
P	22	26S	28E	P	710	S	330	E	Eddy

9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220

Additional Well Information

11. Work Type	12. Well Type	13. Cable/Rotary	14. Lease Type	15. Ground Level Elevation
New Well	GAS		State	3065
16. Multiple	**17. Proposed Depth**	**18. Formation**	**19. Contractor**	**20. Spud Date**
N	18097	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	8.75	7.625	29.7	9700	940	0
Int1	9.875	7.625	29.7	7000	940	0
Prod	6.75	5.5	20	18097	1266	9200
Prod	6.75	5.5	20	9200	1266	9200

Casing/Cement Program: Additional Comments

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	2500	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒, if applicable.

Signature:

OIL CONSERVATION DIVISION

Printed Name:	Electronically filed by Robyn Russell	Approved By:	Katherine Pickford	
Title:	Supervisor Delaware Regulatory	Title:	Geoscientist	
Email Address:	robyn.m.russell@conocophillips.com	Approved Date:	9/9/2022	Expiration Date: 9/9/2024
Date:	9/7/2022 Phone: 432-685-4385	Conditions of Approval Attached		

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015- 49967	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
329348	POTATO BABY STATE COM	901H

7 OGRID No.	8 Operator Name	9 Elevation
229137	COG OPERATING LLC	3065.36'

10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
4	34	26-S	28-E		300'	SOUTH	765'	EAST	EDDY

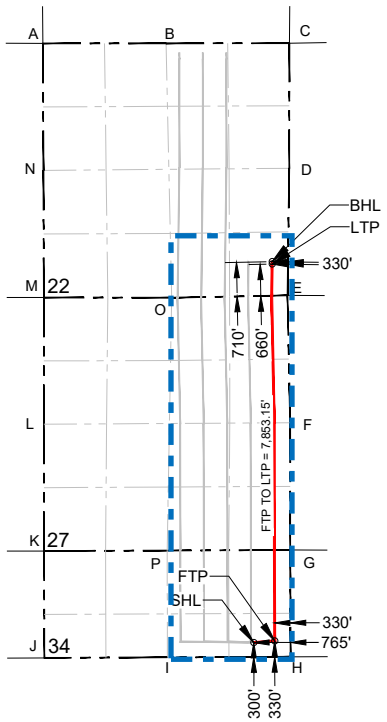
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	22	26-S	28-E		710'	SOUTH	330'	EAST	EDDY

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

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

16



SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=623192.08 LAT.= 32.00083162° N
Y=364142.00 LONG.= -104.06927415° W
300' FSL, 765' FEL - SECTION 34

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=623627.04 LAT.= 32.00091651° N
Y=364173.95 LONG.= -104.06787077° W
330' FSL, 330' FEL - SECTION 34

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=623573.91 LAT.= 32.02250315° N
Y=372026.45 LONG.= -104.06797998° W
660' FSL, 330' FEL - SECTION 22

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=623574.59 LAT.= 32.02264066° N
Y=372076.47 LONG.= -104.06797737° W
710' FSL, 330' FEL - SECTION 22

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

17 OPERATOR CERTIFICATION

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

Stan Wagner — 8/30/2022
Signature — Date

Stan Wagner
Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

07/25/2022
Date of Survey

Signature and Seal of Professional Surveyor

CHARLES L. JURICA
NEW MEXICO
25490
PROFESSIONAL SURVEYOR

Certificate Number

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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 324613

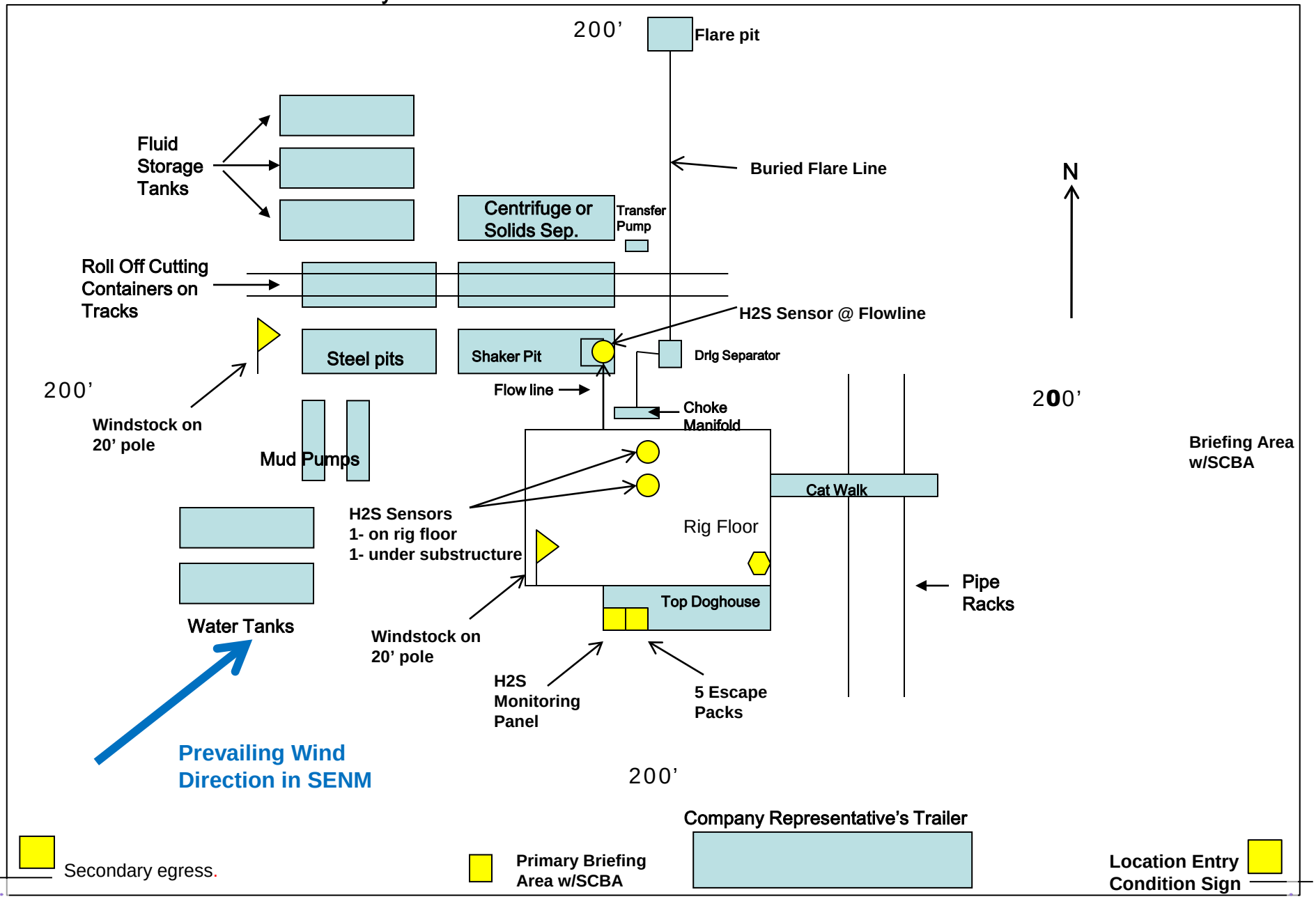
PERMIT CONDITIONS OF APPROVAL

Operator Name and Address:	API Number:
COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	30-015-49967
	Well: POTATO BABY STATE COM #901H

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

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

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



COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

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

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

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

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

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

2. H_2S SAFETY EQUIPMENT AND SYSTEMS

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

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

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

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

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

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

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

g. Communication:
Company vehicles equipped with cellular telephone.

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

W A R N I N G

YOU ARE ENTERING AN H_2S AREA
AUTHORIZED PERSONNEL ONLY

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

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

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

EMERGENCY RESPONSE NUMBERS

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Submit Electronically
Via E-permitting

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

NATURAL GAS MANAGEMENT PLAN

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

Section 1 – Plan Description
Effective May 25, 2021

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

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

If Other, please describe: _____

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

Well Name	API	ULSTR	Footages	Anticipated Oil BBL/D	Anticipated Gas MCF/D	Anticipated Produced Water BBL/D
Potato Baby State Com 901H	30-015	4-34-26S-28E	300 FSL & 765 FEL	± 755	± 7775	± 4740
Potato Baby State Com 902H	30-015-	4-34-26S-28E	300 FSL & 795 FEL	± 755	± 7775	± 4740
Potato Baby State Com 903H	30-015-	4-34-26S-28E	300 FSL & 825 FEL	± 755	± 7775	± 4740
Potato Baby State Com 904H	30-015-	4-34-26S-28E	300 FSL & 855 FEL	± 755	± 7775	± 4740
Potato Baby State Com 905H	30-015-	4-34-26S-28E	300 FSL & 885 FEL	± 755	± 7775	± 4740

IV. Central Delivery Point Name: Potato Baby State Com CTB SENE (Lot 4) 34-26S-28E [See 19.15.27.9(D)(1) NMAC]

V. Anticipated Schedule: Provide the following information for each new or recompleted well or set of wells proposed to be drilled or proposed to be recompleted from a single well pad or connected to a central delivery point.

Well Name	API	Spud Date	TD Reached Date	Completion Commencement Date	Initial Flow Back Date	First Production Date
Potato Baby State Com	Pending	± 4/01/23	± 25 days from spud	TBD	TBD	TBD
901H, 902H, 903H, 904H, 905H						

VI. Separation Equipment: ☒ Attach a complete description of how Operator will size separation equipment to optimize gas capture.

VII. Operational Practices: ☒ Attach a complete description of the actions Operator will take to comply with the requirements of Subsection A through F of 19.15.27.8 NMAC.

VIII. Best Management Practices: ☒ Attach a complete description of Operator's best management practices to minimize venting during active and planned maintenance.

Section 2 – Enhanced Plan
EFFECTIVE APRIL 1, 2022

Beginning April 1, 2022, an operator that is not in compliance with its statewide natural gas capture requirement for the applicable reporting area must complete this section.

☒ Operator certifies that it is not required to complete this section because Operator is in compliance with its statewide natural gas capture requirement for the applicable reporting area.

IX. Anticipated Natural Gas Production:

Well	API	Anticipated Average Natural Gas Rate MCF/D	Anticipated Volume of Natural Gas for the First Year MCF

X. Natural Gas Gathering System (NGGS):

Operator	System	ULSTR of Tie-in	Anticipated Gathering Start Date	Available Maximum Daily Capacity of System Segment Tie-in

XI. Map. ☐ Attach an accurate and legible map depicting the location of the well(s), the anticipated pipeline route(s) connecting the production operations to the existing or planned interconnect of the natural gas gathering system(s), and the maximum daily capacity of the segment or portion of the natural gas gathering system(s) to which the well(s) will be connected.

XII. Line Capacity. The natural gas gathering system ☐ will ☐ will not have capacity to gather 100% of the anticipated natural gas production volume from the well prior to the date of first production.

XIII. Line Pressure. Operator ☐ does ☐ does not anticipate that its existing well(s) connected to the same segment, or portion, of the natural gas gathering system(s) described above will continue to meet anticipated increases in line pressure caused by the new well(s).

☐ Attach Operator's plan to manage production in response to the increased line pressure.

XIV. Confidentiality: ☐ Operator asserts confidentiality pursuant to Section 71-2-8 NMSA 1978 for the information provided in Section 2 as provided in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and attaches a full description of the specific information for which confidentiality is asserted and the basis for such assertion.

Section 3 - Certifications

Effective May 25, 2021

Operator certifies that, after reasonable inquiry and based on the available information at the time of submittal:

☒ Operator will be able to connect the well(s) to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system; or

☐ Operator will not be able to connect to a natural gas gathering system in the general area with sufficient capacity to transport one hundred percent of the anticipated volume of natural gas produced from the well(s) commencing on the date of first production, taking into account the current and anticipated volumes of produced natural gas from other wells connected to the pipeline gathering system. ***If Operator checks this box, Operator will select one of the following:***

Well Shut-In. ☐ Operator will shut-in and not produce the well until it submits the certification required by Paragraph (4) of Subsection D of 19.15.27.9 NMAC; or

Venting and Flaring Plan. ☐ Operator has attached a venting and flaring plan that evaluates and selects one or more of the potential alternative beneficial uses for the natural gas until a natural gas gathering system is available, including:

- **(a)** power generation on lease;
- **(b)** power generation for grid;
- **(c)** compression on lease;
- **(d)** liquids removal on lease;
- **(e)** reinjection for underground storage;
- **(f)** reinjection for temporary storage;
- **(g)** reinjection for enhanced oil recovery;
- **(h)** fuel cell production; and
- **(i)** other alternative beneficial uses approved by the division.

Section 4 - Notices

1. If, at any time after Operator submits this Natural Gas Management Plan and before the well is spud:

(a) Operator becomes aware that the natural gas gathering system it planned to connect the well(s) to has become unavailable or will not have capacity to transport one hundred percent of the production from the well(s), no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised venting and flaring plan containing the information specified in Paragraph (5) of Subsection D of 19.15.27.9 NMAC; or

(b) Operator becomes aware that it has, cumulatively for the year, become out of compliance with its baseline natural gas capture rate or natural gas capture requirement, no later than 20 days after becoming aware of such information, Operator shall submit for OCD's approval a new or revised Natural Gas Management Plan for each well it plans to spud during the next 90 days containing the information specified in Paragraph (2) of Subsection D of 19.15.27.9 NMAC, and shall file an update for each Natural Gas Management Plan until Operator is back in compliance with its baseline natural gas capture rate or natural gas capture requirement.

2. OCD may deny or conditionally approve an APD if Operator does not make a certification, fails to submit an adequate venting and flaring plan which includes alternative beneficial uses for the anticipated volume of natural gas produced, or if OCD determines that Operator will not have adequate natural gas takeaway capacity at the time a well will be spud.

I certify that, after reasonable inquiry, the statements in and attached to this Natural Gas Management Plan are true and correct to the best of my knowledge and acknowledge that a false statement may be subject to civil and criminal penalties under the Oil and Gas Act.

Signature:	
Printed Name:	Stan Wagner
Title:	Regulatory Advisor
E-mail Address:	stan.s.wagner@conocophillips.com
Date:	09/06/2022
Phone:	432-253-9685

OIL CONSERVATION DIVISION

(Only applicable when submitted as a standalone form)

Approved By:	
Title:	
Approval Date:	
Conditions of Approval:	

VI. Separation Equipment

How Operator will size separation equipment to optimize gas capture:

All ConocoPhillips production facility equipment will be sized per industry standards (API 12J) with adequate retention time to effectively separate all phases of production. Each project will take into consideration the number of wells and type curves for each formation pool to ensure adequate facility capacity. Design considerations will also include review of all piping, tanks, VRU's and associated equipment to ensure optimized gas capture minimized risk of release.

VII. Operational Practices

Actions Operator will take to comply with the requirements below:

B. Drilling Operations

- During drilling, flare stacks will be located a minimum of 100 feet from the nearest surface hole location. All gas is captured or combusted. If an emergency or malfunction occurs, gas will be flared or vented for public health, safety, and the environment and be properly reported to the NMOCD pursuant to 19.15.27.8.G.
- Measure or estimate the volume of natural gas that is vented, flared or beneficially used during drilling, completion and production operations, regardless of the reason or authorization for such venting or flaring.

C. Completion Operations

- During completion operations, operator does not produce oil or gas but maintains adequate well control through completion operations.
- Individual well test separators will be set to properly separate gas and liquids. A temporary test separator will be utilized initially to process volumes. In addition, separators will be tied into flowback tanks which will be tied into the gas processing equipment for sales down a pipeline.

D. Venting and flaring during production operations

- During each phase of well life (drilling, completion and production) of a ConocoPhillips well, COP personnel will follow all necessary procedures to ensure both the operation and the equipment are within the NMAC 19.15.27.8 Subsection D guidelines.
- During well operations that require unloading of the well to atmospheric pressure, all reasonable actions will be taken to minimize vented gas
- Through the life of the well all flaring shall be measured, and venting events quantified using the data available and industry best practice.

E. Performance standards for separation, storage tank and flare equipment

- All storage tanks and separation equipment are designed minimize risk of liquid or vapor release and optimize gas capture. This includes automation for automatic gauging and pressure monitoring.

- All flare stacks are equipped with auto ignition devices and/or continuous pilots and are designed to operate at maximum combustion efficiency pursuant NMAC 19.15.27.8 Subsection E. Flares will follow COP spacing guidelines to ensure they are a safe distance from combustibles and operations equipment.
- COP personnel will conduct routine AVO inspections on a regular basis per NMAC 19.15.27.8 Subsection E guidelines.

F. Measurement of vented and flared natural gas.

- Measurement equipment will be installed to quantify gas flared during drilling, completion and production of the well.
- All measurement devices installed will meet accuracy ratings per AGA and API standards.
- Measurement devices will be installed without manifolds that allow diversion of gas around the metering element, except for the sole purpose of inspection of servicing the measurement device.

VIII. Best Management Practices

- Operator will curtail or shut in production, within reasonable limits, during upset conditions to minimize venting and flaring.
- When feasible, Operator will use equipment to capture gas that would otherwise be vented or flared.
- During completions and production operations Operator will minimize blowdowns to atmosphere
- When feasible, Operator will use electric or air actuated equipment to reduce bleed emissions

COG Operating, LLC - Potato Baby State Com 901H

1. Geologic Formations

TVD of target	10,400' EOL	Pilot hole depth	NA
MD at TD:	18,097'	Deepest expected fresh water:	175'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	520	Water	
Top of Salt	860	Salt	
Base of Salt	2445	Salt	
Lamar	2625	Salt Water	
Bell Canyon	2659	Salt Water	
Cherry Canyon	3511	Oil/Gas	
Brushy Canyon	4684	Oil/Gas	
Bone Spring Lime	6284	Oil/Gas	
1st Bone Spring Sand	7202	Oil/Gas	
2nd Bone Spring Sand	7956	Oil/Gas	
3rd Bone Spring Sand	9039	Oil/Gas	
Wolfcamp A	9479	Oil/Gas	
Wolfcamp B	9766	Oil/Gas	
Wolfcamp C	10282	Target Oil/Gas	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight	Grade	Conn.	SF	SF Burst	SF	SF
	From	To		(lbs)			Collapse		Body	Joint
14.75"	0	850	10.75"	45.5	J55	BTC	5.37	1.39	18.49	20.58
9.875"	0	7000	7.625"	29.7	HCL80	BTC	1.90	1.20	3.29	3.47
8.750"	7000	9700	7.625"	29.7	HCP110	W513	1.48	1.65	3.26	1.94
6.75"	0	9200	5.5"	20	P110	TXP BTC	2.06	2.84	3.96	3.96
6.75"	9200	18,097	5.5"	20	P110	W441	1.82	2.51	3.50	2.86
				BLM Minimum Safety Factor			1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing.to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and
All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

The 5 1/2" wedge casing will be run back 500’ into the intermediate casing to ensure the coupling OD clearance is greater than .422” for the cement bond tie in.

COG Operating, LLC - Potato Baby State Com 901H

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	Y
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary?	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

COG Operating, LLC - Potato Baby State Com 901H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H_20 gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	405	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl2
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl2
Inter. Stage 1	690	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	427	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	839	14.4	1.24	5.7	19	Tail: 50:50:2 Class H Blend

If losses are encountered in the intermediate section a DV/ECP tool will be run ~50' above the Lamar Lime top, cement will be adjusted accordingly if this contingency is necessary.

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results
Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0’	50%
1st Intermediate	0’	50%
Production	9,200'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Potato Baby State Com 901H

4. Pressure Control Equipment

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

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

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

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

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

COG Operating, LLC - Potato Baby State Com 901H

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	Surf. Shoe	FW Gel	8.6 - 8.8	28-34	N/C
Surf csg	7-5/8" Int shoe	Brine Diesel Emulsion	8.4 - 9	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 12.5	35-45	<20

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring

6. Logging and Testing Procedures

Logging, Coring and Testing.	
Y	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
Y	No Logs are planned based on well control or offset log information.
N	Drill stem test? If yes, explain.
N	Coring? If yes, explain.

Additional logs planned		Interval
N	Resistivity	Pilot Hole TD to ICP
N	Density	Pilot Hole TD to ICP
Y	CBL	Production casing (If cement not circulated to surface)
Y	Mud log	Intermediate shoe to TD
N	PEX	

COG Operating, LLC - Potato Baby State Com 901H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6760 psi at 10400’ TVD
Abnormal Temperature	NO 160 Deg. F.

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

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

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

8. Other Facets of Operation

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

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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
POTATO BABY STATE PROJECT (ATLAS 2628)
POTATO BABY STATE COM #901H

OWB
PWP0.1

Anticollision Report

19 August, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**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	9,921.5	PWP0.1 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5
9,921.5	18,096.7	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
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #705H - OWB - PWP1						Out of range
KEG SHELL FEDERAL COM #706H - OWB - PWP1	9,621.6	9,850.0	989.1	941.5	20.788	CC
KEG SHELL FEDERAL COM #706H - OWB - PWP1	17,765.0	17,200.3	1,045.4	922.6	8.513	ES
KEG SHELL FEDERAL COM #706H - OWB - PWP1	18,096.7	17,531.9	1,050.3	922.6	8.226	SF
KEG SHELL FEDERAL COM #906H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #907H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #908H - OWB - PWP0						Out of range
KEG SHELL FEDERAL COM #909H - OWB - PWP0	17,393.7	17,669.7	1,167.7	1,051.7	10.067	CC
KEG SHELL FEDERAL COM #909H - OWB - PWP0	18,096.7	18,355.5	1,177.5	1,051.3	9.332	ES, SF
KEG SHELL FEDERAL COM #910H - OWB - PWP0	17,396.6	17,886.9	688.7	569.6	5.784	CC
KEG SHELL FEDERAL COM #910H - OWB - PWP0	17,480.0	17,960.2	689.5	569.4	5.741	ES
KEG SHELL FEDERAL COM #910H - OWB - PWP0	18,096.7	18,576.8	698.6	569.6	5.416	SF
LECHUZA BQC FEDERAL #1H - OWB - AWP						Out of range
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP						Out of range

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
PEACEKEEPER						
BOWSER SWD #2 - OWB - SWD						Out of range
WETHERBEE #401H - OWB - AWP	9,200.2	12,048.0	877.1	784.8	9.504	CC, ES
WETHERBEE #401H - OWB - AWP	9,215.0	12,048.2	877.3	785.0	9.504	SF
WETHERBEE #402H - OWB - AWP						Out of range
WETHERBEE #405H - OWB - AWP						Out of range
WETHERBEE #421H - OWB - AWP						Out of range
WETHERBEE #422H - OWB - AWP	10,100.0	15,540.0	546.9	490.8	9.761	SF
WETHERBEE #422H - OWB - AWP	10,225.0	15,540.0	514.1	465.7	10.613	ES
WETHERBEE #422H - OWB - AWP	10,229.9	15,540.0	514.1	466.0	10.687	CC
WETHERBEE A ALLOCATION #405H - OWB - AWP						Out of range
WETHERBEE C ALLOCATION #407H - OWB - AWP	1,579.4	1,622.5	1,068.0	1,058.9	116.823	CC, ES
WETHERBEE C ALLOCATION #407H - OWB - AWP	3,800.0	3,790.8	1,315.0	1,298.8	81.624	SF
WETHERBEE D ALLOCATION #406H - OWB - AWP	4,738.6	4,693.7	668.4	654.4	47.835	CC
WETHERBEE D ALLOCATION #406H - OWB - AWP	4,750.0	4,704.9	668.4	654.4	47.766	ES
WETHERBEE D ALLOCATION #406H - OWB - AWP	7,800.0	7,611.2	733.7	714.0	37.245	SF
WETHERBEE D ALLOCATION #408H - OWB - AWP						Out of range
WETHERBEE UNIT #423H - OWB - AWP						Out of range
POTATO BABY STATE PROJECT (ATLAS 2628)						
COTTONMOUTH 23 FEDERAL COM #2H - OWB - AWP						Out of range
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	17,997.3	13,719.5	1,039.3	934.1	9.878	CC
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,000.0	13,717.2	1,039.3	934.1	9.878	ES
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,096.7	13,632.5	1,040.1	934.7	9.869	SF
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,046.6	14,105.1	340.7	211.8	2.643	SF
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,096.7	14,055.3	339.9	211.4	2.646	CC, ES
DIAMONDBACK 22 STATE COM #5H - OWB - AWP						Out of range
POTATO BABY STATE COM #701H - OWB - AWP	9,454.1	9,608.2	271.9	244.2	9.842	CC, ES
POTATO BABY STATE COM #701H - OWB - AWP	17,200.0	16,569.7	798.9	681.8	6.822	SF
POTATO BABY STATE COM #702H - OWB - AWP	1,579.0	1,600.3	438.4	430.6	56.319	CC, ES
POTATO BABY STATE COM #702H - OWB - AWP	18,096.7	17,551.2	1,160.6	1,027.9	8.742	SF
POTATO BABY STATE COM #703H - OWB - AWP	115.1	124.7	474.9	468.8	78.522	CC, ES
POTATO BABY STATE COM #703H - OWB - AWP	7,600.0	7,455.8	1,316.0	1,277.2	33.887	SF
POTATO BABY STATE COM #704H - OWB - AWP						Out of range
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,500.0	1,500.5	30.0	21.1	3.370	CC, ES
POTATO BABY STATE COM #902H - OWB - PWP0.1	1,520.0	1,520.5	30.0	21.1	3.357	SF
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,437.1	1,438.2	60.0	51.2	6.827	CC
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,500.0	1,501.1	60.0	51.1	6.743	ES
POTATO BABY STATE COM #903H - OWB - PWP0.1	1,520.0	1,520.7	60.1	51.1	6.703	SF
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,436.8	1,438.8	90.0	81.2	10.242	CC
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,500.0	1,501.9	90.0	81.1	10.114	ES
POTATO BABY STATE COM #904H - OWB - PWP0.1	1,520.0	1,521.3	90.1	81.1	10.047	SF
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,436.7	1,439.1	119.9	111.1	13.653	CC
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,500.0	1,502.3	119.9	111.0	13.482	ES
POTATO BABY STATE COM #905H - OWB - PWP0.1	1,600.0	1,600.0	123.4	114.1	13.310	SF
POTATO BABY STATE COM #906H - OWB - PWP0.1						Out of range
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	1,425.0	1,387.8	905.1	855.5	18.260	CC
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	1,600.0	1,574.0	906.0	851.2	16.534	ES
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	6,460.0	6,390.9	1,318.7	1,214.6	12.665	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

TD Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
KEG SHELL FED COM PROJECT						
KEG SHELL FEDERAL COM #704H - OWB - PWP1	18,096.7	17,554.8				Out of Range @TD
KEG SHELL FEDERAL COM #705H - OWB - PWP1	18,096.7	17,475.6				Out of Range @TD
KEG SHELL FEDERAL COM #706H - OWB - PWP1	18,096.7	17,531.9	1,050.3	922.6	8.226	SF
KEG SHELL FEDERAL COM #906H - OWB - PWP0	18,096.7	18,712.5				Out of Range @TD
KEG SHELL FEDERAL COM #907H - OWB - PWP0	18,096.7	18,426.4				Out of Range @TD
KEG SHELL FEDERAL COM #908H - OWB - PWP0	18,096.7	18,567.7				Out of Range @TD
KEG SHELL FEDERAL COM #909H - OWB - PWP0	18,096.7	18,355.5	1,177.5	1,051.3	9.332	ES, SF
KEG SHELL FEDERAL COM #910H - OWB - PWP0	18,096.7	18,576.8	698.6	569.6	5.416	SF
LECHUZA BQC FEDERAL #1H - OWB - AWP	18,096.7	11,732.0				Out of Range @TD
SINCLAIR FEDERAL #1-35 (P&A) - OWB - AWP	18,096.7	2,655.0				Out of Range @TD
PEACEKEEPER						
BOWSER SWD #2 - OWB - SWD	18,096.7	10,339.6				Out of Range @TD
WETHERBEE #401H - OWB - AWP	18,096.7	12,086.5				Out of Range @TD
WETHERBEE #402H - OWB - AWP	18,096.7	12,516.1				Out of Range @TD
WETHERBEE #405H - OWB - AWP	18,096.7	7,730.0				Out of Range @TD
WETHERBEE #421H - OWB - AWP	18,096.7	15,165.0				Out of Range @TD
WETHERBEE #422H - OWB - AWP	18,096.7	15,540.0				Out of Range @TD
WETHERBEE A ALLOCATION #405H - OWB - AWP	18,096.7	7,730.0				Out of Range @TD
WETHERBEE C ALLOCATION #407H - OWB - AWP	18,096.7	7,813.0				Out of Range @TD
WETHERBEE D ALLOCATION #406H - OWB - AWP	18,096.7	7,662.0				Out of Range @TD
WETHERBEE D ALLOCATION #408H - OWB - AWP	18,096.7	7,594.0				Out of Range @TD
WETHERBEE UNIT #423H - OWB - AWP	18,096.7	15,385.0				Out of Range @TD
POTATO BABY STATE PROJECT (ATLAS 2628)						
COTTONMOUTH 23 FEDERAL COM #2H - OWB - AWP	18,096.7	12,444.0				Out of Range @TD
DIAMONDBACK 22 STATE COM #11H - OWB - AWP	18,096.7	13,632.5	1,040.1	934.7	9.869	SF
DIAMONDBACK 22 STATE COM #3H - OWB - AWP	18,096.7	14,055.3	339.9	211.4	2.646	CC, ES
DIAMONDBACK 22 STATE COM #5H - OWB - AWP	18,096.7	12,181.6				Out of Range @TD
POTATO BABY STATE COM #701H - OWB - AWP	18,096.7	16,584.0	1,213.3	1,124.5	13.657	
POTATO BABY STATE COM #702H - OWB - AWP	18,096.7	17,551.2	1,160.6	1,027.9	8.742	SF
POTATO BABY STATE COM #703H - OWB - AWP	18,096.7	17,575.5				Out of Range @TD
POTATO BABY STATE COM #704H - OWB - AWP	18,096.7	17,514.8				Out of Range @TD
POTATO BABY STATE COM #902H - OWB - PWP0.1	18,096.7	18,284.8	524.2	397.2	4.129	
POTATO BABY STATE COM #903H - OWB - PWP0.1	18,096.7	18,044.3	942.1	814.0	7.355	
POTATO BABY STATE COM #904H - OWB - PWP0.1	18,096.7	18,311.8				Out of Range @TD
POTATO BABY STATE COM #905H - OWB - PWP0.1	18,096.7	17,818.8				Out of Range @TD
POTATO BABY STATE COM #906H - OWB - PWP0.1	18,096.7	18,370.0				Out of Range @TD
SKEEN 34 STATE COM #1H (P&A) - OWB - AWP	18,096.7	13,334.0				Out of Range @TD

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-r.5 MWD+IFR1+MS

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
6,800.0	6,773.0	6,867.4	6,844.5	18.7	19.7	95.04	-83.5	1,743.5	1,317.9	1,282.9	35.02	37.631	
6,840.0	6,813.0	6,907.1	6,884.1	18.7	19.9	95.16	-85.9	1,740.1	1,314.7	1,279.6	35.15	37.408	
6,900.0	6,873.0	6,966.8	6,943.4	18.7	20.1	95.33	-89.5	1,735.0	1,309.9	1,274.6	35.33	37.078	
6,935.0	6,908.0	7,001.6	6,978.1	18.8	20.3	95.44	-91.5	1,732.0	1,307.1	1,271.7	35.43	36.888	
7,000.0	6,973.0	7,066.3	7,042.3	18.8	20.5	95.63	-95.4	1,726.5	1,301.9	1,266.3	35.63	36.539	
7,030.0	7,003.0	7,096.1	7,072.0	18.8	20.7	95.72	-97.2	1,723.9	1,299.6	1,263.8	35.72	36.380	
7,100.0	7,073.0	7,165.7	7,141.3	18.8	20.9	95.93	-101.4	1,718.0	1,294.0	1,258.1	35.93	36.013	
7,125.0	7,098.0	7,190.6	7,166.0	18.8	21.0	96.01	-102.9	1,715.9	1,292.0	1,256.0	36.01	35.884	
7,200.0	7,173.0	7,265.2	7,240.2	18.9	21.3	96.24	-107.4	1,709.5	1,286.1	1,249.9	36.23	35.500	
7,220.0	7,193.0	7,285.1	7,259.9	18.9	21.4	96.30	-108.5	1,707.8	1,284.5	1,248.3	36.29	35.399	
7,300.0	7,273.0	7,364.6	7,339.1	18.9	21.7	96.55	-113.3	1,701.0	1,278.3	1,241.7	36.52	34.999	
7,315.0	7,288.0	7,379.5	7,353.9	18.9	21.8	96.59	-114.2	1,699.7	1,277.1	1,240.5	36.57	34.925	
7,400.0	7,373.0	7,464.1	7,438.0	19.0	22.1	96.86	-119.3	1,692.4	1,270.4	1,233.6	36.81	34.510	
7,410.0	7,383.0	7,474.0	7,447.9	19.0	22.1	96.89	-119.9	1,691.6	1,269.6	1,232.8	36.84	34.462	
7,500.0	7,473.0	7,563.5	7,536.9	19.0	22.5	97.17	-125.2	1,683.9	1,262.6	1,225.5	37.10	34.033	
7,505.0	7,478.0	7,568.5	7,541.8	19.0	22.5	97.19	-125.5	1,683.5	1,262.3	1,225.1	37.11	34.010	
7,600.0	7,573.0	7,663.0	7,635.8	19.1	22.9	97.49	-131.2	1,675.4	1,254.9	1,217.5	37.38	33.567	
7,695.0	7,668.0	7,757.5	7,729.8	19.1	23.3	97.80	-136.9	1,667.3	1,247.6	1,209.9	37.65	33.135	
7,700.0	7,673.0	7,762.4	7,734.7	19.1	23.3	97.82	-137.2	1,666.9	1,247.2	1,209.5	37.66	33.113	
7,790.0	7,763.0	7,851.9	7,823.7	19.2	23.6	98.11	-142.5	1,659.2	1,240.3	1,202.4	37.91	32.713	
7,800.0	7,773.0	7,861.9	7,833.6	19.2	23.7	98.14	-143.1	1,658.4	1,239.5	1,201.6	37.94	32.669	
7,885.0	7,858.0	7,946.4	7,917.7	19.2	24.0	98.43	-148.2	1,651.1	1,233.0	1,194.9	38.17	32.301	
7,900.0	7,873.0	7,961.3	7,932.5	19.2	24.1	98.48	-149.1	1,649.9	1,231.9	1,193.7	38.21	32.236	
7,980.0	7,953.0	8,040.9	8,011.6	19.2	24.4	98.74	-153.9	1,643.0	1,225.8	1,187.4	38.43	31.897	
8,000.0	7,973.0	8,060.8	8,031.4	19.3	24.5	98.81	-155.1	1,641.3	1,224.3	1,185.8	38.48	31.814	
8,075.0	8,048.0	8,135.4	8,105.6	19.3	24.8	99.07	-159.5	1,635.0	1,218.7	1,180.0	38.68	31.504	
8,100.0	8,073.0	8,160.2	8,130.3	19.3	24.9	99.15	-161.0	1,632.8	1,216.8	1,178.0	38.75	31.401	
8,170.0	8,143.0	8,229.9	8,199.6	19.3	25.1	99.39	-165.2	1,626.9	1,211.5	1,172.6	38.93	31.119	
8,200.0	8,173.0	8,259.7	8,229.2	19.4	25.3	99.49	-167.0	1,624.3	1,209.3	1,170.3	39.01	30.999	
8,265.0	8,238.0	8,324.3	8,293.5	19.4	25.5	99.72	-170.9	1,618.8	1,204.4	1,165.2	39.18	30.743	
8,300.0	8,273.0	8,359.1	8,328.1	19.4	25.7	99.84	-172.9	1,615.8	1,201.8	1,162.6	39.27	30.607	
8,360.0	8,333.0	8,418.8	8,387.5	19.4	25.9	100.05	-176.5	1,610.7	1,197.4	1,158.0	39.42	30.376	
8,400.0	8,373.0	8,458.6	8,427.0	19.5	26.1	100.20	-178.9	1,607.3	1,194.4	1,154.9	39.52	30.224	
8,455.0	8,428.0	8,513.3	8,481.4	19.5	26.3	100.39	-182.2	1,602.6	1,190.4	1,150.7	39.66	30.017	
8,500.0	8,473.0	8,558.0	8,526.0	19.5	26.4	100.55	-184.9	1,598.8	1,187.0	1,147.3	39.77	29.850	
8,550.0	8,523.0	8,607.8	8,575.4	19.5	26.6	100.73	-187.8	1,594.5	1,183.4	1,143.5	39.89	29.667	
8,600.0	8,573.0	8,657.5	8,624.9	19.6	26.8	100.91	-190.8	1,590.2	1,179.7	1,139.7	40.01	29.485	
8,645.0	8,618.0	8,702.3	8,669.4	19.6	27.0	101.08	-193.5	1,586.4	1,176.5	1,136.3	40.12	29.324	
8,700.0	8,673.0	8,757.0	8,723.8	19.6	27.2	101.28	-196.8	1,581.7	1,172.5	1,132.2	40.25	29.130	
8,740.0	8,713.0	8,796.7	8,763.3	19.6	27.4	101.43	-199.2	1,578.3	1,169.6	1,129.2	40.34	28.990	
8,800.0	8,773.0	8,856.4	8,822.7	19.6	27.6	101.65	-202.8	1,573.2	1,165.2	1,124.8	40.48	28.783	
8,835.0	8,808.0	8,891.2	8,857.3	19.7	27.8	101.78	-204.8	1,570.2	1,162.7	1,122.2	40.56	28.664	
8,900.0	8,873.0	8,955.9	8,921.6	19.7	28.0	102.03	-208.7	1,564.7	1,158.1	1,117.4	40.71	28.444	
8,930.0	8,903.0	8,985.7	8,951.3	19.7	28.2	102.14	-210.5	1,562.1	1,155.9	1,115.1	40.78	28.343	
9,000.0	8,973.0	9,288.9	9,244.4	19.7	28.6	100.11	-162.0	1,522.2	1,146.0	1,103.9	42.03	27.264	
9,025.0	8,998.0	9,401.7	9,340.0	19.8	28.5	97.40	-106.5	1,500.5	1,138.4	1,095.6	42.81	26.590	
9,100.0	9,073.0	9,606.3	9,477.2	19.8	28.3	89.73	36.7	1,455.1	1,110.4	1,065.7	44.72	24.831	
9,120.0	9,093.0	9,638.9	9,493.8	19.8	28.3	88.20	63.7	1,447.5	1,102.5	1,057.4	45.09	24.451	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-r.5 MWD+IFR1+MS — **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
9,200.0	9,173.0	9,724.7	9,529.7	19.9	28.3	83.84	139.0	1,427.3	1,071.9	1,025.7	46.20	23.201	
9,215.0	9,188.0	9,735.7	9,533.4	19.9	28.3	83.26	148.9	1,424.7	1,066.5	1,020.1	46.36	23.005	
9,300.0	9,273.0	9,781.3	9,546.8	19.9	28.3	80.76	191.2	1,414.0	1,038.6	991.6	47.06	22.070	
9,310.0	9,283.0	9,785.3	9,547.8	19.9	28.3	80.54	195.0	1,413.1	1,035.7	988.6	47.12	21.979	
9,400.0	9,373.0	9,813.8	9,554.2	20.0	28.4	78.94	221.9	1,406.5	1,013.1	965.5	47.55	21.307	
9,405.0	9,378.0	9,815.1	9,554.5	20.0	28.4	78.87	223.1	1,406.2	1,012.0	964.5	47.56	21.278	
9,500.0	9,473.0	9,834.8	9,558.1	20.0	28.4	77.74	241.9	1,401.6	996.4	948.7	47.73	20.876	
9,595.0	9,568.0	9,850.0	9,560.4	20.1	28.4	76.87	256.6	1,398.2	989.4	941.8	47.66	20.761	
9,600.0	9,573.0	9,850.0	9,560.4	20.1	28.4	76.87	256.6	1,398.2	989.3	941.7	47.65	20.764	
9,621.6	9,594.6	9,850.0	9,560.4	20.1	28.4	76.87	256.6	1,398.2	989.1	941.5	47.58	20.788 CC	
9,690.0	9,663.0	9,859.2	9,561.6	20.1	28.4	76.34	265.5	1,396.1	991.4	944.0	47.36	20.934	
9,700.0	9,673.0	9,860.2	9,561.7	20.1	28.4	76.29	266.4	1,395.9	992.1	944.8	47.31	20.969	
9,785.0	9,758.0	9,867.3	9,562.6	20.1	28.4	75.88	273.3	1,394.3	1,002.3	955.4	46.88	21.379	
9,800.0	9,773.0	9,868.4	9,562.7	20.2	28.4	75.81	274.4	1,394.0	1,004.8	958.0	46.79	21.473	
9,880.0	9,853.0	9,873.7	9,563.2	20.2	28.4	75.51	279.5	1,392.8	1,021.8	975.6	46.27	22.082	
9,900.0	9,873.0	9,874.9	9,563.3	20.2	28.4	75.44	280.7	1,392.5	1,027.0	980.9	46.14	22.261	
9,921.5	9,894.5	9,876.2	9,563.5	20.2	28.4	75.37	281.9	1,392.3	1,033.0	987.0	46.05	22.431	
9,925.0	9,898.0	9,876.4	9,563.5	20.2	28.4	75.62	282.1	1,392.2	1,034.0	988.0	46.03	22.465	
9,950.0	9,923.0	9,878.2	9,563.6	20.2	28.4	74.63	283.8	1,391.8	1,041.3	995.5	45.84	22.718	
9,975.0	9,947.9	9,880.6	9,563.9	20.2	28.4	73.58	286.2	1,391.3	1,048.9	1,003.2	45.64	22.979	
10,000.0	9,972.7	9,883.6	9,564.1	20.2	28.4	72.48	289.1	1,390.6	1,056.6	1,011.2	45.45	23.250	
10,025.0	9,997.2	9,887.2	9,564.4	20.2	28.4	71.34	292.6	1,389.8	1,064.5	1,019.2	45.24	23.527	
10,050.0	10,021.5	9,900.0	9,565.2	20.2	28.4	69.70	305.1	1,387.0	1,072.5	1,027.4	45.06	23.803	
10,070.0	10,040.6	9,900.0	9,565.2	20.2	28.4	68.95	305.1	1,387.0	1,078.9	1,034.0	44.89	24.036	
10,075.0	10,045.4	9,900.0	9,565.2	20.2	28.4	68.76	305.1	1,387.0	1,080.5	1,035.6	44.84	24.095	
10,100.0	10,068.9	9,900.0	9,565.2	20.2	28.4	67.81	305.1	1,387.0	1,088.5	1,043.9	44.63	24.391	
10,125.0	10,091.9	9,900.0	9,565.2	20.2	28.4	66.86	305.1	1,387.0	1,096.6	1,052.2	44.41	24.692	
10,150.0	10,114.4	9,911.5	9,565.7	20.2	28.6	65.38	316.3	1,384.4	1,104.6	1,060.3	44.33	24.918	
10,165.0	10,127.6	9,915.1	9,565.8	20.2	28.6	64.66	319.8	1,383.7	1,109.4	1,065.2	44.18	25.108	
10,175.0	10,136.3	9,917.5	9,565.9	20.2	28.7	64.19	322.1	1,383.1	1,112.6	1,068.5	44.07	25.245	
10,200.0	10,157.5	9,928.5	9,566.0	20.2	29.0	62.81	332.9	1,380.7	1,120.4	1,076.6	43.84	25.557	
10,225.0	10,178.0	9,928.5	9,566.0	20.2	29.0	61.95	332.9	1,380.7	1,128.1	1,084.5	43.60	25.875	
10,250.0	10,197.7	9,942.8	9,566.0	20.2	29.0	60.54	346.8	1,377.7	1,135.6	1,092.2	43.45	26.139	
10,260.0	10,205.4	9,947.5	9,566.1	20.3	29.0	60.03	351.4	1,376.7	1,138.6	1,095.2	43.38	26.246	
10,275.0	10,216.6	9,954.8	9,566.1	20.3	29.1	59.28	358.6	1,375.2	1,142.9	1,099.6	43.28	26.405	
10,300.0	10,234.6	9,967.6	9,566.1	20.3	29.1	58.08	371.1	1,372.5	1,149.8	1,106.6	43.13	26.661	
10,325.0	10,251.7	9,981.0	9,566.2	20.3	29.1	56.93	384.2	1,369.8	1,156.3	1,113.3	42.98	26.905	
10,350.0	10,267.8	10,000.0	9,566.2	20.3	29.1	55.70	402.9	1,366.1	1,162.5	1,119.6	42.87	27.116	
10,355.0	10,270.9	10,000.0	9,566.2	20.3	29.1	55.58	402.9	1,366.1	1,163.6	1,120.8	42.82	27.172	
10,375.0	10,282.9	10,000.0	9,566.2	20.3	29.1	55.11	402.9	1,366.1	1,168.2	1,125.5	42.64	27.395	
10,400.0	10,296.9	10,025.3	9,566.3	20.3	29.1	53.89	427.7	1,361.4	1,173.3	1,130.7	42.60	27.546	
10,425.0	10,309.8	10,041.2	9,566.4	20.3	29.1	53.03	443.3	1,358.5	1,178.0	1,135.5	42.49	27.725	
10,450.0	10,321.5	10,057.6	9,566.4	20.3	29.2	52.25	459.5	1,355.6	1,182.2	1,139.8	42.39	27.886	
10,475.0	10,332.1	10,074.4	9,566.5	20.4	29.2	51.56	476.1	1,352.8	1,185.7	1,143.4	42.31	28.027	
10,500.0	10,341.5	10,100.0	9,566.6	20.4	29.2	50.81	501.3	1,348.6	1,188.7	1,146.4	42.29	28.109	
10,525.0	10,349.7	10,100.0	9,566.6	20.4	29.2	50.60	501.3	1,348.6	1,191.0	1,148.9	42.10	28.292	
10,545.0	10,355.3	10,123.7	9,566.6	20.4	29.2	50.11	524.8	1,345.0	1,192.3	1,150.2	42.12	28.305	
10,550.0	10,356.6	10,127.4	9,566.6	20.4	29.2	50.04	528.4	1,344.5	1,192.6	1,150.4	42.11	28.318	
10,575.0	10,362.3	10,145.6	9,566.7	20.4	29.3	49.73	546.4	1,341.8	1,193.5	1,151.4	42.07	28.368	
10,600.0	10,366.7	10,164.1	9,566.8	20.5	29.3	49.51	564.7	1,339.2	1,193.7	1,151.7	42.04	28.396	
10,625.0	10,369.7	10,182.8	9,566.8	20.5	29.3	49.40	583.2	1,336.8	1,193.3	1,151.3	42.02	28.399	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-r.5 MWD+IFR1+MS

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
10,640.0	10,371.0	10,200.0	9,566.9	20.5	29.3	49.35	600.3	1,334.6	1,192.7	1,150.6	42.06	28.360	
10,650.0	10,371.5	10,200.0	9,566.9	20.5	29.3	49.40	600.3	1,334.6	1,192.1	1,150.1	41.99	28.387	
10,669.7	10,372.0	10,216.4	9,566.9	20.5	29.3	49.46	616.6	1,332.6	1,190.7	1,148.7	42.01	28.344	
10,700.0	10,372.1	10,239.3	9,567.0	20.6	29.4	49.38	639.4	1,330.0	1,188.2	1,146.2	42.01	28.281	
10,735.0	10,372.2	10,265.8	9,567.1	20.7	29.4	49.30	665.7	1,327.3	1,185.6	1,143.6	42.03	28.207	
10,800.0	10,372.5	10,315.1	9,567.3	20.8	29.5	49.16	714.8	1,322.7	1,181.5	1,139.4	42.08	28.079	
10,830.0	10,372.6	10,337.9	9,567.3	20.8	29.5	49.11	737.5	1,320.9	1,179.8	1,137.7	42.11	28.017	
10,900.0	10,372.9	10,400.0	9,567.5	21.0	29.6	48.99	799.5	1,316.9	1,176.8	1,134.5	42.27	27.838	
10,925.0	10,373.0	10,400.0	9,567.5	21.0	29.6	48.99	799.5	1,316.9	1,175.9	1,133.8	42.14	27.903	
11,000.0	10,373.2	10,467.5	9,567.8	21.2	29.7	48.92	866.9	1,314.1	1,174.0	1,131.6	42.37	27.708	
11,020.0	10,373.3	10,482.8	9,567.8	21.2	29.7	48.91	882.2	1,313.7	1,173.7	1,131.3	42.41	27.673	
11,086.1	10,373.6	10,533.5	9,568.0	21.4	29.8	48.89	932.9	1,312.9	1,173.3	1,130.7	42.55	27.571	
11,100.0	10,373.6	10,547.2	9,568.0	21.4	29.8	48.89	946.6	1,312.8	1,173.3	1,130.6	42.62	27.532	
11,115.0	10,373.7	10,562.2	9,568.1	21.5	29.9	48.89	961.6	1,312.7	1,173.3	1,130.6	42.69	27.486	
11,200.0	10,374.0	10,647.2	9,568.3	21.7	30.0	48.89	1,046.6	1,312.1	1,173.3	1,130.2	43.10	27.221	
11,210.0	10,374.0	10,657.2	9,568.4	21.7	30.0	48.89	1,056.6	1,312.0	1,173.3	1,130.1	43.16	27.187	
11,300.0	10,374.4	10,747.2	9,568.7	22.0	30.2	48.89	1,146.6	1,311.4	1,173.3	1,129.6	43.64	26.885	
11,305.0	10,374.4	10,752.2	9,568.7	22.0	30.2	48.89	1,151.6	1,311.4	1,173.3	1,129.6	43.67	26.867	
11,400.0	10,374.8	10,847.2	9,569.0	22.3	30.3	48.88	1,246.6	1,310.7	1,173.3	1,129.1	44.23	26.529	
11,495.0	10,375.1	10,942.2	9,569.3	22.6	30.5	48.88	1,341.6	1,310.0	1,173.3	1,128.5	44.83	26.174	
11,500.0	10,375.1	10,947.2	9,569.3	22.6	30.5	48.88	1,346.6	1,310.0	1,173.3	1,128.5	44.86	26.155	
11,590.0	10,375.5	11,037.2	9,569.6	23.0	30.7	48.88	1,436.6	1,309.4	1,173.3	1,127.9	45.47	25.806	
11,600.0	10,375.5	11,047.2	9,569.6	23.0	30.8	48.88	1,446.6	1,309.3	1,173.3	1,127.8	45.54	25.767	
11,685.0	10,375.8	11,132.2	9,569.9	23.3	30.9	48.88	1,531.6	1,308.7	1,173.3	1,127.2	46.14	25.428	
11,700.0	10,375.9	11,147.2	9,570.0	23.4	31.0	48.87	1,546.6	1,308.6	1,173.3	1,127.1	46.25	25.368	
11,780.0	10,376.2	11,227.2	9,570.2	23.7	31.2	48.87	1,626.5	1,308.0	1,173.4	1,126.5	46.86	25.041	
11,800.0	10,376.3	11,247.2	9,570.3	23.8	31.2	48.87	1,646.5	1,307.9	1,173.4	1,126.3	47.01	24.959	
11,875.0	10,376.5	11,322.2	9,570.5	24.1	31.4	48.87	1,721.5	1,307.4	1,173.4	1,125.8	47.61	24.647	
11,900.0	10,376.6	11,347.2	9,570.6	24.2	31.5	48.87	1,746.5	1,307.2	1,173.4	1,125.6	47.81	24.543	
11,970.0	10,376.9	11,417.2	9,570.8	24.5	31.6	48.87	1,816.5	1,306.7	1,173.4	1,125.0	48.39	24.249	
12,000.0	10,377.0	11,447.2	9,570.9	24.6	31.7	48.87	1,846.5	1,306.5	1,173.4	1,124.7	48.64	24.123	
12,065.0	10,377.3	11,512.2	9,571.2	24.9	31.9	48.86	1,911.5	1,306.0	1,173.4	1,124.2	49.20	23.850	
12,100.0	10,377.4	11,556.9	9,571.3	25.1	32.0	48.86	1,956.2	1,305.5	1,173.3	1,123.7	49.60	23.655	
12,160.0	10,377.6	11,638.0	9,571.6	25.4	32.3	48.79	2,037.4	1,303.0	1,172.2	1,121.8	50.34	23.287	
12,200.0	10,377.8	11,678.0	9,571.7	25.5	32.4	48.75	2,077.3	1,301.3	1,171.1	1,120.4	50.69	23.103	
12,255.0	10,378.0	11,733.0	9,571.9	25.8	32.5	48.68	2,132.2	1,299.0	1,169.7	1,118.5	51.19	22.848	
12,300.0	10,378.1	11,778.0	9,572.0	26.0	32.7	48.63	2,177.2	1,297.1	1,168.5	1,116.9	51.61	22.642	
12,350.0	10,378.3	11,827.9	9,572.2	26.3	32.9	48.57	2,227.1	1,295.0	1,167.2	1,115.1	52.08	22.411	
12,400.0	10,378.5	11,877.9	9,572.4	26.5	33.0	48.51	2,277.0	1,292.9	1,165.9	1,113.3	52.56	22.183	
12,445.0	10,378.7	11,922.9	9,572.5	26.7	33.2	48.46	2,321.9	1,291.0	1,164.7	1,111.7	53.00	21.978	
12,500.0	10,378.9	11,977.8	9,572.7	27.0	33.4	48.40	2,376.9	1,288.7	1,163.3	1,109.8	53.53	21.730	
12,540.0	10,379.1	12,017.8	9,572.8	27.2	33.5	48.35	2,416.8	1,287.1	1,162.3	1,108.3	53.93	21.549	
12,600.0	10,379.3	12,077.8	9,573.0	27.5	33.7	48.28	2,476.7	1,284.6	1,160.7	1,106.2	54.54	21.282	
12,635.0	10,379.4	12,112.7	9,573.2	27.7	33.8	48.24	2,511.7	1,283.1	1,159.8	1,104.9	54.90	21.127	
12,700.0	10,379.7	12,177.7	9,573.4	28.1	34.1	48.16	2,576.6	1,280.4	1,158.1	1,102.5	55.57	20.841	
12,730.0	10,379.8	12,207.7	9,573.5	28.2	34.2	48.13	2,606.5	1,279.1	1,157.3	1,101.4	55.88	20.710	
12,800.0	10,380.0	12,277.6	9,573.7	28.6	34.5	48.05	2,676.4	1,276.2	1,155.5	1,098.9	56.62	20.408	
12,825.0	10,380.1	12,302.6	9,573.8	28.7	34.6	48.02	2,701.4	1,275.1	1,154.9	1,098.0	56.89	20.301	
12,900.0	10,380.4	12,377.6	9,574.1	29.2	34.9	47.93	2,776.3	1,272.0	1,152.9	1,095.2	57.70	19.983	
12,920.0	10,380.5	12,397.6	9,574.1	29.3	34.9	47.90	2,796.2	1,271.2	1,152.4	1,094.5	57.91	19.899	
13,000.0	10,380.8	12,477.5	9,574.4	29.7	35.3	47.81	2,876.1	1,267.8	1,150.4	1,091.6	58.79	19.566	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,015.0	10,380.8	12,492.5	9,574.4	29.8	35.3	47.79	2,891.1	1,267.2	1,150.0	1,091.0	58.96	19.505	
13,100.0	10,381.2	12,577.5	9,574.7	30.3	35.7	47.69	2,976.0	1,263.6	1,147.8	1,087.9	59.91	19.159	
13,110.0	10,381.2	12,587.5	9,574.8	30.3	35.7	47.68	2,985.9	1,263.2	1,147.5	1,087.5	60.02	19.118	
13,200.0	10,381.5	12,677.4	9,575.1	30.8	36.1	47.57	3,075.8	1,259.4	1,145.2	1,084.2	61.04	18.760	
13,205.0	10,381.6	12,682.4	9,575.1	30.9	36.1	47.56	3,080.8	1,259.2	1,145.1	1,084.0	61.10	18.741	
13,300.0	10,381.9	12,777.3	9,575.4	31.4	36.6	47.45	3,175.7	1,255.3	1,142.6	1,080.4	62.20	18.371	
13,395.0	10,382.3	12,872.3	9,575.7	32.0	37.0	47.34	3,270.5	1,251.3	1,140.2	1,076.9	63.31	18.010	
13,400.0	10,382.3	12,877.3	9,575.7	32.0	37.0	47.33	3,275.5	1,251.1	1,140.1	1,076.7	63.37	17.991	
13,490.0	10,382.6	12,967.2	9,576.0	32.6	37.4	47.22	3,365.4	1,247.3	1,137.8	1,073.3	64.44	17.657	
13,500.0	10,382.7	12,977.2	9,576.1	32.6	37.5	47.21	3,375.4	1,246.9	1,137.5	1,073.0	64.56	17.621	
13,585.0	10,383.0	13,062.2	9,576.4	33.1	37.9	47.10	3,460.2	1,243.3	1,135.4	1,069.8	65.58	17.313	
13,600.0	10,383.0	13,077.1	9,576.4	33.2	38.0	47.09	3,475.2	1,242.7	1,135.0	1,069.2	65.76	17.260	
13,680.0	10,383.3	13,157.1	9,576.7	33.7	38.4	46.99	3,555.1	1,239.3	1,132.9	1,066.2	66.73	16.978	
13,700.0	10,383.4	13,177.1	9,576.7	33.8	38.5	46.96	3,575.1	1,238.5	1,132.4	1,065.5	66.98	16.908	
13,775.0	10,383.7	13,252.0	9,577.0	34.3	38.8	46.87	3,649.9	1,235.4	1,130.5	1,062.6	67.90	16.651	
13,800.0	10,383.8	13,277.0	9,577.1	34.5	39.0	46.84	3,674.9	1,234.3	1,129.9	1,061.7	68.21	16.566	
13,870.0	10,384.1	13,347.0	9,577.3	34.9	39.3	46.75	3,744.8	1,231.4	1,128.1	1,059.0	69.08	16.332	
13,900.0	10,384.2	13,377.0	9,577.4	35.1	39.5	46.72	3,774.8	1,230.1	1,127.4	1,057.9	69.45	16.233	
13,965.0	10,384.4	13,441.9	9,577.6	35.5	39.8	46.64	3,839.7	1,227.4	1,125.7	1,055.5	70.26	16.021	
14,000.0	10,384.6	13,476.9	9,577.7	35.7	40.0	46.59	3,874.6	1,226.0	1,124.8	1,054.1	70.70	15.909	
14,060.0	10,384.8	13,536.9	9,577.9	36.1	40.3	46.52	3,934.5	1,223.4	1,123.3	1,051.9	71.46	15.719	
14,100.0	10,384.9	13,576.8	9,578.1	36.3	40.5	46.47	3,974.5	1,221.8	1,122.3	1,050.3	71.97	15.594	
14,155.0	10,385.1	13,631.8	9,578.3	36.7	40.8	46.40	4,029.4	1,219.5	1,120.9	1,048.3	72.67	15.424	
14,200.0	10,385.3	13,676.8	9,578.4	37.0	41.0	46.34	4,074.3	1,217.6	1,119.8	1,046.5	73.25	15.287	
14,250.0	10,385.5	13,726.7	9,578.6	37.3	41.3	46.28	4,124.2	1,215.5	1,118.5	1,044.6	73.89	15.137	
14,300.0	10,385.7	13,776.7	9,578.7	37.6	41.6	46.22	4,174.2	1,213.4	1,117.3	1,042.7	74.54	14.989	
14,345.0	10,385.9	13,821.7	9,578.9	37.9	41.8	46.16	4,219.1	1,211.5	1,116.2	1,041.0	75.12	14.858	
14,400.0	10,386.1	13,876.7	9,579.1	38.3	42.1	46.09	4,274.0	1,209.2	1,114.8	1,038.9	75.84	14.699	
14,440.0	10,386.2	13,916.6	9,579.2	38.5	42.4	46.04	4,314.0	1,207.5	1,113.8	1,037.4	76.36	14.586	
14,500.0	10,386.4	13,976.6	9,579.4	38.9	42.7	45.96	4,373.9	1,205.0	1,112.3	1,035.1	77.15	14.418	
14,535.0	10,386.6	14,011.6	9,579.5	39.2	42.9	45.92	4,408.8	1,203.6	1,111.4	1,033.8	77.61	14.321	
14,600.0	10,386.8	14,076.5	9,579.8	39.6	43.3	45.84	4,473.7	1,200.8	1,109.8	1,031.3	78.46	14.144	
14,630.0	10,386.9	14,106.5	9,579.9	39.8	43.4	45.80	4,503.7	1,199.6	1,109.0	1,030.2	78.86	14.063	
14,700.0	10,387.2	14,176.5	9,580.1	40.2	43.8	45.71	4,573.6	1,196.7	1,107.3	1,027.5	79.79	13.877	
14,725.0	10,387.3	14,201.5	9,580.2	40.4	44.0	45.67	4,598.5	1,195.6	1,106.7	1,026.5	80.12	13.812	
14,800.0	10,387.6	14,276.4	9,580.4	40.9	44.4	45.58	4,673.4	1,192.5	1,104.8	1,023.7	81.12	13.619	
14,820.0	10,387.6	14,296.4	9,580.5	41.0	44.5	45.55	4,693.4	1,191.6	1,104.3	1,022.9	81.39	13.568	
14,900.0	10,387.9	14,376.3	9,580.8	41.6	45.0	45.45	4,773.3	1,188.3	1,102.3	1,019.9	82.47	13.367	
14,915.0	10,388.0	14,391.3	9,580.8	41.7	45.1	45.43	4,788.2	1,187.7	1,102.0	1,019.3	82.67	13.330	
15,000.0	10,388.3	14,476.3	9,581.1	42.2	45.6	45.32	4,873.1	1,184.1	1,099.9	1,016.0	83.82	13.122	
15,010.0	10,388.4	14,486.3	9,581.1	42.3	45.7	45.31	4,883.1	1,183.7	1,099.6	1,015.7	83.95	13.098	
15,100.0	10,388.7	14,576.2	9,581.4	42.9	46.2	45.19	4,973.0	1,179.9	1,097.4	1,012.2	85.17	12.884	
15,105.0	10,388.7	14,581.2	9,581.4	42.9	46.2	45.18	4,978.0	1,179.7	1,097.3	1,012.0	85.24	12.872	
15,200.0	10,389.1	14,676.2	9,581.8	43.6	46.8	45.06	5,072.8	1,175.7	1,094.9	1,008.4	86.54	12.653	
15,295.0	10,389.4	14,771.1	9,582.1	44.2	47.4	44.93	5,167.7	1,171.7	1,092.6	1,004.8	87.84	12.439	
15,300.0	10,389.5	14,776.1	9,582.1	44.3	47.4	44.93	5,172.7	1,171.5	1,092.5	1,004.6	87.91	12.428	
15,390.0	10,389.8	14,866.0	9,582.4	44.9	48.0	44.81	5,262.5	1,167.8	1,090.3	1,001.1	89.14	12.230	
15,400.0	10,389.8	14,876.0	9,582.4	44.9	48.0	44.79	5,272.5	1,167.4	1,090.0	1,000.7	89.28	12.209	
15,485.0	10,390.2	14,961.0	9,582.7	45.5	48.6	44.68	5,357.4	1,163.8	1,087.9	997.5	90.46	12.027	
15,500.0	10,390.2	14,976.0	9,582.8	45.6	48.6	44.66	5,372.4	1,163.2	1,087.6	996.9	90.66	11.996	
15,580.0	10,390.5	15,055.9	9,583.0	46.2	49.1	44.55	5,452.2	1,159.8	1,085.6	993.8	91.77	11.829	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,600.0	10,390.6	15,075.9	9,583.1	46.3	49.3	44.53	5,472.2	1,159.0	1,085.1	993.1	92.05	11.788	
15,675.0	10,390.9	15,150.9	9,583.4	46.8	49.7	44.43	5,547.1	1,155.8	1,083.3	990.2	93.10	11.636	
15,700.0	10,391.0	15,175.9	9,583.4	47.0	49.9	44.39	5,572.1	1,154.8	1,082.7	989.3	93.44	11.587	
15,770.0	10,391.2	15,245.8	9,583.7	47.5	50.3	44.30	5,642.0	1,151.9	1,081.0	986.6	94.42	11.448	
15,800.0	10,391.3	15,275.8	9,583.8	47.7	50.5	44.26	5,671.9	1,150.6	1,080.3	985.4	94.84	11.390	
15,865.0	10,391.6	15,340.7	9,584.0	48.1	50.9	44.17	5,736.8	1,147.9	1,078.7	982.9	95.75	11.265	
15,900.0	10,391.7	15,375.7	9,584.1	48.4	51.2	44.12	5,771.8	1,146.4	1,077.9	981.6	96.25	11.199	
15,960.0	10,391.9	15,435.7	9,584.3	48.8	51.5	44.04	5,831.7	1,143.9	1,076.4	979.3	97.09	11.087	
16,000.0	10,392.1	15,475.7	9,584.4	49.1	51.8	43.99	5,871.6	1,142.2	1,075.4	977.8	97.65	11.013	
16,055.0	10,392.3	15,530.6	9,584.6	49.5	52.2	43.91	5,926.5	1,139.9	1,074.1	975.7	98.43	10.912	
16,100.0	10,392.5	15,575.6	9,584.8	49.8	52.5	43.85	5,971.5	1,138.1	1,073.0	974.0	99.07	10.831	
16,150.0	10,392.7	15,625.6	9,585.0	50.1	52.8	43.78	6,021.4	1,136.0	1,071.8	972.1	99.77	10.742	
16,200.0	10,392.8	15,675.5	9,585.1	50.5	53.1	43.71	6,071.3	1,133.9	1,070.6	970.1	100.48	10.655	
16,245.0	10,393.0	15,720.5	9,585.3	50.8	53.4	43.65	6,116.2	1,132.0	1,069.5	968.4	101.12	10.577	
16,300.0	10,393.2	15,775.5	9,585.5	51.2	53.8	43.58	6,171.2	1,129.7	1,068.2	966.3	101.90	10.483	
16,340.0	10,393.4	15,815.5	9,585.6	51.5	54.0	43.52	6,211.1	1,128.0	1,067.3	964.8	102.47	10.415	
16,400.0	10,393.6	15,875.4	9,585.8	51.9	54.4	43.44	6,271.0	1,125.5	1,065.8	962.5	103.33	10.315	
16,435.0	10,393.7	15,910.4	9,585.9	52.1	54.6	43.39	6,306.0	1,124.0	1,065.0	961.2	103.83	10.257	
16,500.0	10,394.0	15,975.4	9,586.1	52.6	55.1	43.30	6,370.9	1,121.3	1,063.5	958.7	104.76	10.152	
16,530.0	10,394.1	16,005.3	9,586.2	52.8	55.3	43.26	6,400.8	1,120.1	1,062.7	957.6	105.19	10.103	
16,600.0	10,394.4	16,075.3	9,586.5	53.3	55.7	43.16	6,470.7	1,117.1	1,061.1	954.9	106.19	9.992	
16,625.0	10,394.5	16,100.3	9,586.5	53.5	55.9	43.12	6,495.7	1,116.1	1,060.5	953.9	106.55	9.953	
16,700.0	10,394.7	16,175.2	9,586.8	54.0	56.4	43.02	6,570.6	1,112.9	1,058.7	951.1	107.63	9.837	
16,720.0	10,394.8	16,195.2	9,586.9	54.1	56.5	42.99	6,590.5	1,112.1	1,058.2	950.3	107.91	9.806	
16,800.0	10,395.1	16,275.2	9,587.1	54.7	57.1	42.88	6,670.4	1,108.8	1,056.3	947.3	109.07	9.685	
16,815.0	10,395.2	16,290.2	9,587.2	54.8	57.2	42.86	6,685.4	1,108.1	1,056.0	946.7	109.28	9.663	
16,900.0	10,395.5	16,375.1	9,587.5	55.4	57.7	42.74	6,770.3	1,104.6	1,054.0	943.5	110.51	9.537	
16,910.0	10,395.5	16,385.1	9,587.5	55.5	57.8	42.72	6,780.2	1,104.2	1,053.7	943.1	110.65	9.523	
17,000.0	10,395.9	16,475.0	9,587.8	56.1	58.4	42.59	6,870.1	1,100.4	1,051.6	939.7	111.96	9.393	
17,005.0	10,395.9	16,480.0	9,587.8	56.2	58.4	42.59	6,875.1	1,100.2	1,051.5	939.5	112.03	9.386	
17,100.0	10,396.2	16,575.0	9,588.1	56.9	59.1	42.45	6,970.0	1,096.2	1,049.3	935.9	113.41	9.252	
17,195.0	10,396.6	16,669.9	9,588.5	57.5	59.7	42.32	7,064.8	1,092.2	1,047.1	932.3	114.79	9.122	
17,200.0	10,396.6	16,674.9	9,588.5	57.6	59.8	42.31	7,069.8	1,092.0	1,046.9	932.1	114.86	9.115	
17,290.0	10,397.0	16,764.9	9,588.8	58.2	60.4	42.18	7,159.7	1,088.2	1,044.8	928.7	116.17	8.994	
17,300.0	10,397.0	16,774.9	9,588.8	58.3	60.4	42.16	7,169.7	1,087.8	1,044.6	928.3	116.31	8.981	
17,385.0	10,397.3	16,854.4	9,589.1	58.9	61.0	42.05	7,249.1	1,084.6	1,042.7	925.2	117.52	8.873	
17,400.0	10,397.4	16,866.4	9,589.1	59.0	61.1	42.04	7,261.1	1,084.2	1,042.5	924.7	117.71	8.856	
17,480.0	10,397.7	16,930.7	9,589.3	59.6	61.5	42.01	7,325.5	1,083.0	1,041.8	923.1	118.76	8.772	
17,480.8	10,397.7	16,931.4	9,589.3	59.6	61.5	42.01	7,326.1	1,083.0	1,041.8	923.1	118.77	8.772	
17,500.0	10,397.8	16,946.8	9,589.4	59.7	61.6	42.01	7,341.5	1,082.9	1,041.9	922.9	119.02	8.754	
17,575.0	10,398.0	17,010.3	9,589.6	60.3	62.0	42.05	7,405.0	1,083.5	1,042.7	922.6	120.02	8.688	
17,600.0	10,398.1	17,035.3	9,589.7	60.4	62.2	42.07	7,430.0	1,083.8	1,043.0	922.6	120.38	8.664	
17,670.0	10,398.4	17,105.3	9,589.9	60.9	62.7	42.13	7,500.0	1,084.9	1,044.0	922.6	121.41	8.599	
17,700.0	10,398.5	17,135.3	9,590.0	61.2	62.9	42.15	7,530.0	1,085.3	1,044.5	922.6	121.85	8.572	
17,765.0	10,398.7	17,200.3	9,590.2	61.6	63.3	42.21	7,595.0	1,086.3	1,045.4	922.6	122.80	8.513 ES	
17,800.0	10,398.9	17,235.3	9,590.4	61.9	63.6	42.24	7,630.0	1,086.8	1,046.0	922.6	123.32	8.482	
17,860.0	10,399.1	17,295.3	9,590.6	62.3	64.0	42.29	7,689.9	1,087.6	1,046.8	922.6	124.20	8.429	
17,900.0	10,399.3	17,335.2	9,590.7	62.6	64.2	42.33	7,729.9	1,088.2	1,047.4	922.6	124.79	8.394	
17,955.0	10,399.5	17,390.2	9,590.9	63.0	64.6	42.37	7,784.9	1,089.0	1,048.2	922.6	125.60	8.346	
18,000.0	10,399.6	17,435.2	9,591.0	63.3	64.9	42.41	7,829.9	1,089.7	1,048.9	922.6	126.26	8.307	
18,046.6	10,399.8	17,481.8	9,591.2	63.7	65.2	42.45	7,876.5	1,090.4	1,049.6	922.6	126.95	8.268	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #706H - OWB - PWP1

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 2500-r.5 MWD+IFR1+MS, 9929-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
18,050.0	10,399.8	17,485.2	9,591.2	63.7	65.3	42.45	7,879.9	1,090.4	1,049.6	922.6	127.00	8.265	
18,096.7	10,400.0	17,531.9	9,591.4	64.0	65.6	42.49	7,926.6	1,091.1	1,050.3	922.6	127.69	8.226	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,300.0	4,278.2	4,253.1	4,243.2	14.3	13.0	8.01	-61.4	1,655.9	1,318.7	1,296.3	22.43	58.783	
4,370.0	4,347.6	4,322.2	4,312.1	14.6	13.3	8.33	-67.4	1,656.2	1,310.4	1,287.6	22.80	57.465	
4,400.0	4,377.3	4,351.8	4,341.6	14.7	13.4	8.47	-70.0	1,656.4	1,306.8	1,283.9	22.96	56.913	
4,465.0	4,441.8	4,416.0	4,405.5	14.9	13.6	8.77	-75.6	1,656.6	1,299.1	1,275.8	23.31	55.742	
4,500.0	4,476.5	4,450.5	4,440.0	15.1	13.8	8.93	-78.6	1,656.8	1,295.0	1,271.5	23.49	55.126	
4,560.0	4,536.0	4,509.8	4,499.0	15.3	14.0	9.22	-83.7	1,657.0	1,288.0	1,264.2	23.81	54.092	
4,600.0	4,575.6	4,549.3	4,538.3	15.5	14.1	9.41	-87.2	1,657.2	1,283.3	1,259.3	24.02	53.418	
4,653.0	4,628.2	4,601.6	4,590.5	15.7	14.3	9.66	-91.7	1,657.4	1,277.1	1,252.8	24.29	52.571	
4,655.0	4,630.1	4,603.6	4,592.4	15.7	14.3	9.67	-91.9	1,657.4	1,276.9	1,252.6	24.30	52.540	
4,700.0	4,674.8	4,648.0	4,636.7	15.8	14.5	9.88	-95.8	1,657.6	1,271.9	1,247.3	24.53	51.849	
4,750.0	4,724.4	4,697.5	4,686.0	16.0	14.7	10.11	-100.1	1,657.9	1,266.7	1,241.9	24.79	51.092	
4,800.0	4,774.1	4,747.0	4,735.3	16.2	14.9	10.34	-104.4	1,658.1	1,262.0	1,236.9	25.06	50.367	
4,845.0	4,818.9	4,791.6	4,779.7	16.4	15.0	10.54	-108.3	1,658.3	1,258.1	1,232.8	25.29	49.754	
4,900.0	4,873.7	4,846.1	4,834.0	16.6	15.2	10.79	-113.0	1,658.5	1,253.9	1,228.3	25.57	49.038	
4,940.0	4,913.5	4,885.8	4,873.6	16.8	15.4	10.97	-116.5	1,658.7	1,251.2	1,225.4	25.77	48.552	
5,000.0	4,973.4	4,945.4	4,932.9	17.0	15.6	11.24	-121.7	1,658.9	1,247.6	1,221.5	26.07	47.855	
5,035.0	5,008.3	4,980.2	4,967.6	17.1	15.7	11.39	-124.7	1,659.1	1,245.8	1,219.6	26.24	47.479	
5,100.0	5,073.2	5,044.8	5,032.0	17.3	16.0	11.68	-130.3	1,659.4	1,243.1	1,216.6	26.55	46.814	
5,130.0	5,103.1	5,074.7	5,061.7	17.4	16.1	11.81	-132.9	1,659.5	1,242.1	1,215.4	26.69	46.534	
5,200.0	5,173.1	5,144.4	5,131.1	17.6	16.3	12.11	-139.0	1,659.8	1,240.4	1,213.4	27.02	45.913	
5,225.0	5,198.1	5,169.2	5,155.9	17.7	16.4	12.21	-141.1	1,659.9	1,240.0	1,212.9	27.12	45.716	
5,300.0	5,273.0	5,243.9	5,230.3	17.9	16.7	12.53	-147.6	1,660.2	1,239.4	1,212.0	27.45	45.158	
5,303.3	5,276.4	5,247.3	5,233.6	17.9	16.7	12.54	-147.9	1,660.2	1,239.4	1,212.0	27.46	45.142	
5,320.0	5,293.0	5,263.8	5,250.2	18.0	16.8	12.61	-149.4	1,660.3	1,239.5	1,212.0	27.51	45.060	
5,403.0	5,376.0	5,346.5	5,332.5	18.1	17.1	98.74	-156.6	1,660.7	1,240.3	1,212.6	27.76	44.681	
5,415.0	5,388.0	5,358.5	5,344.4	18.1	17.1	98.79	-157.6	1,660.7	1,240.5	1,212.8	27.78	44.652	
5,500.0	5,473.0	5,443.2	5,428.8	18.1	17.5	99.12	-165.0	1,661.1	1,242.1	1,214.1	27.95	44.445	
5,510.0	5,483.0	5,453.1	5,438.7	18.1	17.5	99.16	-165.9	1,661.1	1,242.2	1,214.3	27.97	44.421	
5,600.0	5,573.0	5,542.8	5,528.0	18.2	17.8	99.52	-173.7	1,661.5	1,243.9	1,215.8	28.14	44.201	
5,605.0	5,578.0	5,547.8	5,533.0	18.2	17.8	99.53	-174.1	1,661.5	1,244.0	1,215.8	28.15	44.189	
5,700.0	5,673.0	5,642.4	5,627.3	18.2	18.2	99.91	-182.3	1,661.9	1,245.8	1,217.5	28.34	43.958	
5,795.0	5,768.0	5,737.0	5,721.6	18.3	18.6	100.27	-190.6	1,662.4	1,247.7	1,219.1	28.53	43.729	
5,800.0	5,773.0	5,742.0	5,726.5	18.3	18.6	100.29	-191.0	1,662.4	1,247.8	1,219.2	28.54	43.717	
5,890.0	5,863.0	5,831.7	5,815.8	18.3	18.9	100.64	-198.8	1,662.8	1,249.6	1,220.8	28.73	43.500	
5,900.0	5,873.0	5,841.6	5,825.8	18.3	19.0	100.68	-199.7	1,662.8	1,249.8	1,221.0	28.75	43.476	
5,985.0	5,958.0	5,926.3	5,910.1	18.3	19.3	101.01	-207.0	1,663.2	1,251.5	1,222.6	28.92	43.272	
6,000.0	5,973.0	5,941.3	5,925.0	18.3	19.3	101.07	-208.3	1,663.2	1,251.9	1,222.9	28.95	43.236	
6,080.0	6,053.0	6,021.0	6,004.4	18.4	19.6	101.38	-215.3	1,663.6	1,253.6	1,224.4	29.12	43.049	
6,100.0	6,073.0	6,040.9	6,024.2	18.4	19.7	101.45	-217.0	1,663.7	1,254.0	1,224.8	29.16	43.005	
6,175.0	6,148.0	6,117.2	6,100.3	18.4	20.0	101.74	-223.6	1,664.0	1,255.6	1,226.3	29.31	42.844	
6,200.0	6,173.0	6,143.6	6,126.6	18.4	20.1	101.84	-225.7	1,664.1	1,256.1	1,226.7	29.36	42.785	
6,270.0	6,243.0	6,217.6	6,200.4	18.5	20.3	102.07	-230.9	1,664.4	1,257.4	1,227.9	29.50	42.617	
6,300.0	6,273.0	6,249.3	6,232.1	18.5	20.5	102.15	-232.9	1,664.5	1,257.9	1,228.3	29.56	42.546	
6,365.0	6,338.0	6,318.2	6,300.8	18.5	20.7	102.32	-236.5	1,664.6	1,258.8	1,229.1	29.69	42.391	
6,400.0	6,373.0	6,355.3	6,337.9	18.5	20.8	102.39	-238.1	1,664.7	1,259.2	1,229.4	29.76	42.310	
6,460.0	6,433.0	6,419.0	6,401.5	18.5	21.0	102.48	-240.4	1,664.8	1,259.7	1,229.8	29.87	42.170	
6,500.0	6,473.0	6,461.4	6,444.0	18.6	21.1	102.53	-241.5	1,664.9	1,260.0	1,230.0	29.94	42.079	
6,555.0	6,528.0	6,519.8	6,502.4	18.6	21.3	102.58	-242.4	1,664.9	1,260.2	1,230.2	30.03	41.969	
6,600.0	6,573.0	6,567.6	6,550.2	18.6	21.3	102.59	-242.8	1,664.9	1,260.3	1,230.2	30.08	41.905	
6,650.0	6,623.0	6,618.8	6,601.3	18.6	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.2	30.11	41.855	
6,700.0	6,673.0	6,668.8	6,651.3	18.7	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.2	30.15	41.802	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-r.5 MWD+IFR1+MS

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
6,745.0	6,718.0	6,713.8	6,696.3	18.7	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.1	30.18	41.754	
6,800.0	6,773.0	6,768.8	6,751.3	18.7	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.1	30.23	41.696	
6,840.0	6,813.0	6,808.8	6,791.3	18.7	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.1	30.26	41.653	
6,900.0	6,873.0	6,868.8	6,851.3	18.7	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.0	30.30	41.589	
6,935.0	6,908.0	6,903.8	6,886.3	18.8	21.4	102.59	-242.8	1,664.9	1,260.3	1,230.0	30.33	41.552	
7,000.0	6,973.0	6,968.8	6,951.3	18.8	21.4	102.59	-242.8	1,664.9	1,260.3	1,229.9	30.38	41.482	
7,030.0	7,003.0	6,998.8	6,981.3	18.8	21.4	102.59	-242.8	1,664.9	1,260.3	1,229.9	30.41	41.450	
7,100.0	7,073.0	7,068.8	7,051.3	18.8	21.4	102.59	-242.8	1,664.9	1,260.3	1,229.9	30.46	41.375	
7,125.0	7,098.0	7,093.8	7,076.3	18.8	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.8	30.48	41.348	
7,200.0	7,173.0	7,168.8	7,151.3	18.9	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.8	30.54	41.267	
7,220.0	7,193.0	7,188.8	7,171.3	18.9	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.8	30.56	41.246	
7,300.0	7,273.0	7,268.8	7,251.3	18.9	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.7	30.62	41.159	
7,315.0	7,288.0	7,283.8	7,266.3	18.9	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.7	30.63	41.143	
7,400.0	7,373.0	7,368.8	7,351.3	19.0	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.6	30.70	41.051	
7,410.0	7,383.0	7,378.8	7,361.3	19.0	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.6	30.71	41.040	
7,500.0	7,473.0	7,468.8	7,451.3	19.0	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.5	30.78	40.942	
7,505.0	7,478.0	7,473.8	7,456.3	19.0	21.5	102.59	-242.8	1,664.9	1,260.3	1,229.5	30.79	40.936	
7,600.0	7,573.0	7,568.8	7,551.3	19.1	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.5	30.87	40.833	
7,695.0	7,668.0	7,663.8	7,646.3	19.1	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.4	30.94	40.729	
7,700.0	7,673.0	7,668.8	7,651.3	19.1	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.4	30.95	40.723	
7,790.0	7,763.0	7,758.8	7,741.3	19.2	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.3	31.02	40.624	
7,800.0	7,773.0	7,768.8	7,751.3	19.2	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.3	31.03	40.613	
7,885.0	7,858.0	7,853.8	7,836.3	19.2	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.2	31.10	40.520	
7,900.0	7,873.0	7,868.8	7,851.3	19.2	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.2	31.12	40.503	
7,980.0	7,953.0	7,948.8	7,931.3	19.2	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.1	31.18	40.415	
8,000.0	7,973.0	7,968.8	7,951.3	19.3	21.6	102.59	-242.8	1,664.9	1,260.3	1,229.1	31.20	40.393	
8,075.0	8,048.0	8,043.8	8,026.3	19.3	21.7	102.59	-242.8	1,664.9	1,260.3	1,229.1	31.27	40.310	
8,100.0	8,073.0	8,068.8	8,051.3	19.3	21.7	102.59	-242.8	1,664.9	1,260.3	1,229.0	31.29	40.282	
8,170.0	8,143.0	8,138.8	8,121.3	19.3	21.7	102.59	-242.8	1,664.9	1,260.3	1,229.0	31.35	40.205	
8,200.0	8,173.0	8,168.8	8,151.3	19.4	21.7	102.59	-242.8	1,664.9	1,260.3	1,229.0	31.37	40.172	
8,265.0	8,238.0	8,233.8	8,216.3	19.4	21.7	102.59	-242.8	1,664.9	1,260.3	1,228.9	31.43	40.099	
8,300.0	8,273.0	8,268.8	8,251.3	19.4	21.7	102.59	-242.8	1,664.9	1,260.3	1,228.9	31.46	40.061	
8,360.0	8,333.0	8,328.8	8,311.3	19.4	21.7	102.59	-242.8	1,664.9	1,260.3	1,228.8	31.51	39.994	
8,400.0	8,373.0	8,368.8	8,351.3	19.5	21.7	102.59	-242.8	1,664.9	1,260.3	1,228.8	31.55	39.949	
8,455.0	8,428.0	8,423.8	8,406.3	19.5	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.7	31.60	39.888	
8,500.0	8,473.0	8,468.8	8,451.3	19.5	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.7	31.64	39.838	
8,550.0	8,523.0	8,518.8	8,501.3	19.5	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.6	31.68	39.782	
8,600.0	8,573.0	8,568.8	8,551.3	19.6	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.6	31.73	39.726	
8,645.0	8,618.0	8,613.8	8,596.3	19.6	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.6	31.77	39.676	
8,700.0	8,673.0	8,668.8	8,651.3	19.6	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.5	31.81	39.615	
8,740.0	8,713.0	8,708.8	8,691.3	19.6	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.5	31.85	39.570	
8,800.0	8,773.0	8,768.8	8,751.3	19.6	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.4	31.90	39.503	
8,835.0	8,808.0	8,803.8	8,786.3	19.7	21.8	102.59	-242.8	1,664.9	1,260.3	1,228.4	31.94	39.464	
8,900.0	8,873.0	8,868.8	8,851.3	19.7	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.3	32.00	39.391	
8,930.0	8,903.0	8,898.8	8,881.3	19.7	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.3	32.02	39.357	
9,000.0	8,973.0	8,968.8	8,951.3	19.7	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.2	32.09	39.279	
9,025.0	8,998.0	8,993.8	8,976.3	19.8	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.2	32.11	39.251	
9,100.0	9,073.0	9,068.8	9,051.3	19.8	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.2	32.18	39.167	
9,120.0	9,093.0	9,088.8	9,071.3	19.8	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.1	32.20	39.144	
9,200.0	9,173.0	9,168.8	9,151.3	19.9	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.1	32.27	39.054	
9,215.0	9,188.0	9,183.8	9,166.3	19.9	21.9	102.59	-242.8	1,664.9	1,260.3	1,228.0	32.29	39.038	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-r.5 MWD+IFR1+MS

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
9,300.0	9,273.0	9,268.8	9,251.3	19.9	22.0	102.59	-242.8	1,664.9	1,260.3	1,228.0	32.36	38.942	
9,310.0	9,283.0	9,278.8	9,261.3	19.9	22.0	102.59	-242.8	1,664.9	1,260.3	1,228.0	32.37	38.931	
9,400.0	9,373.0	9,368.8	9,351.3	20.0	22.0	102.59	-242.8	1,664.9	1,260.3	1,227.9	32.46	38.830	
9,405.0	9,378.0	9,373.8	9,356.3	20.0	22.0	102.59	-242.8	1,664.9	1,260.3	1,227.9	32.46	38.824	
9,500.0	9,473.0	9,468.8	9,451.3	20.0	22.0	102.59	-242.8	1,664.9	1,260.3	1,227.8	32.55	38.717	
9,595.0	9,568.0	9,563.8	9,546.3	20.1	22.0	102.59	-242.8	1,664.9	1,260.3	1,227.7	32.64	38.610	
9,600.0	9,573.0	9,568.8	9,551.3	20.1	22.0	102.59	-242.8	1,664.9	1,260.3	1,227.7	32.65	38.605	
9,690.0	9,663.0	9,658.8	9,641.3	20.1	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.6	32.73	38.504	
9,700.0	9,673.0	9,668.8	9,651.3	20.1	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.6	32.74	38.492	
9,785.0	9,758.0	9,753.8	9,736.3	20.1	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.5	32.82	38.397	
9,800.0	9,773.0	9,768.8	9,751.3	20.2	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.5	32.84	38.380	
9,880.0	9,853.0	9,848.8	9,831.3	20.2	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.4	32.92	38.290	
9,900.0	9,873.0	9,868.8	9,851.3	20.2	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.4	32.93	38.267	
9,921.5	9,894.5	9,890.3	9,872.8	20.2	22.1	102.59	-242.8	1,664.9	1,260.3	1,227.4	32.95	38.253	
9,925.0	9,898.0	9,893.8	9,876.3	20.2	22.1	102.98	-242.8	1,664.9	1,260.3	1,227.4	32.95	38.251	
9,950.0	9,923.0	9,922.3	9,904.8	20.2	22.1	103.00	-242.7	1,664.9	1,260.5	1,227.6	32.95	38.254	
9,975.0	9,947.9	9,997.1	9,979.2	20.2	22.2	102.98	-235.6	1,664.8	1,260.4	1,227.5	32.88	38.334	
10,000.0	9,972.7	10,065.8	10,045.8	20.2	22.2	102.74	-218.9	1,664.3	1,259.7	1,226.9	32.81	38.398	
10,025.0	9,997.2	10,119.9	10,096.0	20.2	22.2	102.43	-199.1	1,663.8	1,258.4	1,225.7	32.75	38.425	
10,050.0	10,021.5	10,195.0	10,161.6	20.2	22.3	101.75	-162.5	1,662.9	1,256.7	1,224.0	32.66	38.472	
10,070.0	10,040.6	10,242.5	10,199.7	20.2	22.3	101.22	-134.3	1,662.2	1,255.0	1,222.4	32.62	38.476	
10,075.0	10,045.4	10,253.9	10,208.5	20.2	22.3	101.08	-126.9	1,662.0	1,254.6	1,221.9	32.61	38.474	
10,100.0	10,068.9	10,308.4	10,247.6	20.2	22.3	100.37	-89.0	1,661.1	1,252.1	1,219.6	32.56	38.452	
10,125.0	10,091.9	10,358.8	10,279.7	20.2	22.4	99.64	-50.3	1,660.1	1,249.5	1,217.0	32.53	38.408	
10,150.0	10,114.4	10,405.1	10,305.5	20.2	22.4	98.91	-11.9	1,659.1	1,246.7	1,214.2	32.51	38.348	
10,165.0	10,127.6	10,431.1	10,318.3	20.2	22.4	98.48	10.8	1,658.6	1,245.0	1,212.5	32.50	38.304	
10,175.0	10,136.3	10,447.7	10,325.9	20.2	22.4	98.20	25.6	1,658.2	1,243.9	1,211.4	32.50	38.273	
10,200.0	10,157.5	10,487.2	10,341.6	20.2	22.5	97.52	61.7	1,657.3	1,241.1	1,208.6	32.50	38.188	
10,225.0	10,178.0	10,523.7	10,353.6	20.2	22.5	96.86	96.2	1,656.4	1,238.3	1,205.8	32.50	38.097	
10,250.0	10,197.7	10,557.8	10,362.2	20.2	22.5	96.23	129.1	1,655.6	1,235.5	1,203.0	32.51	38.001	
10,260.0	10,205.4	10,570.7	10,364.9	20.3	22.5	95.99	141.8	1,655.3	1,234.5	1,202.0	32.52	37.962	
10,275.0	10,216.6	10,589.6	10,368.2	20.3	22.5	95.63	160.4	1,654.8	1,233.0	1,200.4	32.53	37.902	
10,300.0	10,234.6	10,619.6	10,371.9	20.3	22.5	95.05	190.1	1,654.1	1,230.5	1,197.9	32.55	37.802	
10,325.0	10,251.7	10,647.9	10,373.7	20.3	22.5	94.49	218.3	1,653.3	1,228.2	1,195.6	32.58	37.701	
10,350.0	10,267.8	10,670.9	10,374.1	20.3	22.5	94.06	241.4	1,652.8	1,226.1	1,193.5	32.60	37.605	
10,355.0	10,270.9	10,674.8	10,374.1	20.3	22.5	94.00	245.3	1,652.7	1,225.7	1,193.1	32.61	37.587	
10,375.0	10,282.9	10,690.9	10,374.2	20.3	22.5	93.73	261.4	1,652.3	1,224.3	1,191.6	32.63	37.515	
10,400.0	10,296.9	10,711.8	10,374.4	20.3	22.5	93.38	282.2	1,651.7	1,222.7	1,190.0	32.67	37.420	
10,425.0	10,309.8	10,733.3	10,374.5	20.3	22.5	93.03	303.7	1,651.2	1,221.3	1,188.6	32.73	37.320	
10,450.0	10,321.5	10,755.4	10,374.7	20.3	22.5	92.69	325.8	1,650.6	1,220.1	1,187.4	32.78	37.221	
10,475.0	10,332.1	10,778.1	10,374.9	20.4	22.5	92.37	348.5	1,650.1	1,219.1	1,186.3	32.84	37.122	
10,500.0	10,341.5	10,801.3	10,375.0	20.4	22.5	92.07	371.8	1,649.5	1,218.3	1,185.4	32.91	37.023	
10,525.0	10,349.7	10,825.0	10,375.2	20.4	22.5	91.81	395.4	1,648.9	1,217.5	1,184.5	32.98	36.913	
10,545.0	10,355.3	10,844.2	10,375.4	20.4	22.5	91.62	414.6	1,648.4	1,216.9	1,183.9	33.05	36.825	
10,550.0	10,356.6	10,849.1	10,375.4	20.4	22.5	91.58	419.5	1,648.3	1,216.8	1,183.7	33.06	36.803	
10,575.0	10,362.3	10,873.5	10,375.6	20.4	22.5	91.41	443.9	1,647.7	1,216.2	1,183.0	33.14	36.693	
10,600.0	10,366.7	10,898.1	10,375.8	20.5	22.5	91.28	468.5	1,647.0	1,215.6	1,182.4	33.23	36.583	
10,625.0	10,369.7	10,922.9	10,376.0	20.5	22.5	91.21	493.3	1,646.4	1,215.1	1,181.8	33.32	36.462	
10,640.0	10,371.0	10,937.9	10,376.1	20.5	22.6	91.19	508.3	1,646.0	1,214.8	1,181.4	33.38	36.390	
10,650.0	10,371.5	10,947.9	10,376.1	20.5	22.6	91.19	518.2	1,645.8	1,214.6	1,181.2	33.42	36.341	
10,669.7	10,372.0	10,967.6	10,376.3	20.5	22.6	91.22	537.9	1,645.3	1,214.2	1,180.7	33.50	36.246	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-r.5 MWD+IFR1+MS

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
10,700.0	10,372.1	10,997.9	10,376.5	20.6	22.6	91.23	568.2	1,644.5	1,213.7	1,180.0	33.62	36.100	
10,735.0	10,372.2	11,032.9	10,376.8	20.7	22.6	91.24	603.2	1,643.7	1,213.0	1,179.2	33.78	35.906	
10,800.0	10,372.5	11,097.8	10,377.3	20.8	22.6	91.25	668.2	1,642.0	1,211.8	1,177.7	34.09	35.550	
10,830.0	10,372.6	11,127.8	10,377.5	20.8	22.6	91.25	698.1	1,641.3	1,211.3	1,177.0	34.25	35.369	
10,900.0	10,372.9	11,197.8	10,378.0	21.0	22.6	91.27	768.1	1,639.5	1,210.0	1,175.4	34.62	34.951	
10,925.0	10,373.0	11,222.8	10,378.2	21.0	22.6	91.27	793.1	1,638.9	1,209.5	1,174.8	34.77	34.790	
11,000.0	10,373.2	11,297.8	10,378.8	21.2	22.6	91.29	868.1	1,637.0	1,208.2	1,173.0	35.21	34.313	
11,020.0	10,373.3	11,317.8	10,378.9	21.2	22.6	91.29	888.0	1,636.5	1,207.8	1,172.5	35.34	34.177	
11,100.0	10,373.6	11,397.8	10,379.5	21.4	22.6	91.31	968.0	1,634.5	1,206.3	1,170.5	35.86	33.642	
11,115.0	10,373.7	11,412.8	10,379.6	21.5	22.6	91.31	983.0	1,634.1	1,206.1	1,170.1	35.96	33.537	
11,200.0	10,374.0	11,497.8	10,380.2	21.7	22.6	91.33	1,068.0	1,632.0	1,204.5	1,167.9	36.56	32.948	
11,210.0	10,374.0	11,507.8	10,380.3	21.7	22.6	91.33	1,078.0	1,631.7	1,204.3	1,167.7	36.63	32.876	
11,300.0	10,374.4	11,597.8	10,381.0	22.0	22.7	91.35	1,167.9	1,629.4	1,202.7	1,165.4	37.31	32.237	
11,305.0	10,374.4	11,602.8	10,381.0	22.0	22.7	91.35	1,172.9	1,629.3	1,202.6	1,165.2	37.35	32.201	
11,400.0	10,374.8	11,697.7	10,381.7	22.3	22.7	91.36	1,267.9	1,626.9	1,200.8	1,162.7	38.10	31.516	
11,495.0	10,375.1	11,792.7	10,382.4	22.6	22.7	91.38	1,362.8	1,624.5	1,199.1	1,160.2	38.90	30.826	
11,500.0	10,375.1	11,797.7	10,382.5	22.6	22.7	91.38	1,367.8	1,624.4	1,199.0	1,160.1	38.94	30.790	
11,590.0	10,375.5	11,887.7	10,383.1	23.0	22.7	91.40	1,457.8	1,622.1	1,197.4	1,157.6	39.73	30.136	
11,600.0	10,375.5	11,897.7	10,383.2	23.0	22.7	91.40	1,467.7	1,621.9	1,197.2	1,157.4	39.82	30.064	
11,685.0	10,375.8	11,982.7	10,383.9	23.3	22.8	91.42	1,552.7	1,619.8	1,195.6	1,155.0	40.60	29.449	
11,700.0	10,375.9	11,997.7	10,384.0	23.4	22.8	91.42	1,567.7	1,619.4	1,195.3	1,154.6	40.74	29.343	
11,780.0	10,376.2	12,077.7	10,384.6	23.7	22.8	91.44	1,647.7	1,617.4	1,193.9	1,152.4	41.50	28.769	
11,800.0	10,376.3	12,097.7	10,384.7	23.8	22.8	91.44	1,667.6	1,616.9	1,193.5	1,151.8	41.69	28.629	
11,875.0	10,376.5	12,172.7	10,385.3	24.1	22.8	91.46	1,742.6	1,615.0	1,192.1	1,149.7	42.43	28.098	
11,900.0	10,376.6	12,197.6	10,385.5	24.2	22.8	91.46	1,767.6	1,614.3	1,191.7	1,149.0	42.67	27.925	
11,970.0	10,376.9	12,267.6	10,386.0	24.5	22.9	91.48	1,837.6	1,612.6	1,190.4	1,147.0	43.38	27.438	
12,000.0	10,377.0	12,297.6	10,386.2	24.6	22.9	91.48	1,867.5	1,611.8	1,189.8	1,146.2	43.69	27.234	
12,065.0	10,377.3	12,356.6	10,386.6	24.9	22.9	91.50	1,926.5	1,610.3	1,188.7	1,144.3	44.33	26.815	
12,100.0	10,377.4	12,385.6	10,386.9	25.1	22.9	91.50	1,955.5	1,609.8	1,188.2	1,143.6	44.66	26.606	
12,160.0	10,377.6	12,440.5	10,387.3	25.4	22.9	91.51	2,010.4	1,609.2	1,187.9	1,142.7	45.27	26.241	
12,200.0	10,377.8	12,480.5	10,387.6	25.5	22.9	91.52	2,050.4	1,608.7	1,187.8	1,142.1	45.70	25.992	
12,255.0	10,378.0	12,535.5	10,388.0	25.8	23.0	91.53	2,105.4	1,608.1	1,187.6	1,141.3	46.30	25.651	
12,300.0	10,378.1	12,580.5	10,388.3	26.0	23.0	91.54	2,150.4	1,607.6	1,187.4	1,140.6	46.79	25.377	
12,350.0	10,378.3	12,630.5	10,388.7	26.3	23.0	91.55	2,200.4	1,607.1	1,187.2	1,139.9	47.35	25.074	
12,400.0	10,378.5	12,680.5	10,389.1	26.5	23.0	91.56	2,250.3	1,606.6	1,187.0	1,139.1	47.91	24.778	
12,445.0	10,378.7	12,725.5	10,389.4	26.7	23.1	91.56	2,295.3	1,606.1	1,186.8	1,138.4	48.42	24.513	
12,500.0	10,378.9	12,780.5	10,389.8	27.0	23.1	91.57	2,350.3	1,605.5	1,186.6	1,137.6	49.04	24.196	
12,540.0	10,379.1	12,820.5	10,390.1	27.2	23.1	91.58	2,390.3	1,605.1	1,186.5	1,137.0	49.50	23.967	
12,600.0	10,379.3	12,880.5	10,390.6	27.5	23.2	91.59	2,450.3	1,604.4	1,186.2	1,136.0	50.20	23.630	
12,635.0	10,379.4	12,915.5	10,390.8	27.7	23.3	91.60	2,485.3	1,604.0	1,186.1	1,135.5	50.61	23.436	
12,700.0	10,379.7	12,980.5	10,391.3	28.1	23.5	91.61	2,550.3	1,603.3	1,185.8	1,134.5	51.37	23.082	
12,730.0	10,379.8	13,010.5	10,391.5	28.2	23.6	91.62	2,580.3	1,603.0	1,185.7	1,134.0	51.73	22.921	
12,800.0	10,380.0	13,080.5	10,392.0	28.6	24.1	91.63	2,650.3	1,602.3	1,185.5	1,132.9	52.57	22.551	
12,825.0	10,380.1	13,105.5	10,392.2	28.7	24.2	91.63	2,675.3	1,602.0	1,185.4	1,132.5	52.87	22.420	
12,900.0	10,380.4	13,180.5	10,392.8	29.2	24.7	91.65	2,750.3	1,601.2	1,185.1	1,131.3	53.78	22.036	
12,920.0	10,380.5	13,200.5	10,392.9	29.3	24.8	91.65	2,770.3	1,601.0	1,185.0	1,131.0	54.02	21.935	
13,000.0	10,380.8	13,280.5	10,393.5	29.7	25.4	91.67	2,850.3	1,600.1	1,184.7	1,129.7	55.00	21.539	
13,015.0	10,380.8	13,295.5	10,393.6	29.8	25.5	91.67	2,865.3	1,600.0	1,184.6	1,129.4	55.19	21.465	
13,100.0	10,381.2	13,380.5	10,394.3	30.3	26.0	91.68	2,950.3	1,599.0	1,184.3	1,128.0	56.24	21.057	
13,110.0	10,381.2	13,390.5	10,394.4	30.3	26.1	91.69	2,960.3	1,598.9	1,184.2	1,127.9	56.37	21.010	
13,200.0	10,381.5	13,480.5	10,395.0	30.8	26.7	91.70	3,050.3	1,598.0	1,183.9	1,126.4	57.49	20.592	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-r.5 MWD+IFR1+MS

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
13,205.0	10,381.6	13,485.5	10,395.1	30.9	26.7	91.70	3,055.3	1,597.9	1,183.9	1,126.3	57.56	20.569	
13,300.0	10,381.9	13,580.5	10,395.8	31.4	27.4	91.72	3,150.3	1,596.9	1,183.5	1,124.7	58.76	20.142	
13,395.0	10,382.3	13,675.5	10,396.5	32.0	28.0	91.74	3,245.2	1,595.9	1,183.1	1,123.2	59.97	19.728	
13,400.0	10,382.3	13,680.5	10,396.5	32.0	28.1	91.74	3,250.2	1,595.8	1,183.1	1,123.1	60.04	19.707	
13,490.0	10,382.6	13,770.5	10,397.2	32.6	28.7	91.76	3,340.2	1,594.9	1,182.8	1,121.6	61.19	19.328	
13,500.0	10,382.7	13,780.5	10,397.3	32.6	28.7	91.76	3,350.2	1,594.7	1,182.7	1,121.4	61.32	19.287	
13,585.0	10,383.0	13,865.5	10,397.9	33.1	29.3	91.77	3,435.2	1,593.8	1,182.4	1,120.0	62.43	18.940	
13,600.0	10,383.0	13,880.5	10,398.0	33.2	29.4	91.78	3,450.2	1,593.7	1,182.3	1,119.7	62.62	18.880	
13,680.0	10,383.3	13,960.5	10,398.6	33.7	30.0	91.79	3,530.2	1,592.8	1,182.0	1,118.4	63.67	18.565	
13,700.0	10,383.4	13,980.5	10,398.8	33.8	30.1	91.79	3,550.2	1,592.6	1,181.9	1,118.0	63.93	18.488	
13,775.0	10,383.7	14,055.5	10,399.3	34.3	30.7	91.81	3,625.2	1,591.8	1,181.7	1,116.7	64.92	18.202	
13,800.0	10,383.8	14,080.5	10,399.5	34.5	30.8	91.81	3,650.2	1,591.5	1,181.6	1,116.3	65.25	18.109	
13,870.0	10,384.1	14,150.5	10,400.0	34.9	31.3	91.83	3,720.2	1,590.8	1,181.3	1,115.1	66.18	17.850	
13,900.0	10,384.2	14,180.5	10,400.2	35.1	31.5	91.83	3,750.2	1,590.4	1,181.2	1,114.6	66.57	17.742	
13,965.0	10,384.4	14,245.5	10,400.7	35.5	32.0	91.84	3,815.2	1,589.7	1,180.9	1,113.5	67.44	17.510	
14,000.0	10,384.6	14,280.5	10,401.0	35.7	32.2	91.85	3,850.2	1,589.4	1,180.8	1,112.9	67.91	17.387	
14,060.0	10,384.8	14,340.5	10,401.4	36.1	32.7	91.86	3,910.2	1,588.7	1,180.5	1,111.8	68.71	17.180	
14,100.0	10,384.9	14,380.5	10,401.7	36.3	33.0	91.87	3,950.2	1,588.3	1,180.4	1,111.1	69.25	17.045	
14,155.0	10,385.1	14,435.5	10,402.1	36.7	33.3	91.88	4,005.2	1,587.7	1,180.2	1,110.2	69.99	16.861	
14,200.0	10,385.3	14,480.5	10,402.5	37.0	33.7	91.89	4,050.2	1,587.2	1,180.0	1,109.4	70.60	16.713	
14,250.0	10,385.5	14,530.5	10,402.9	37.3	34.0	91.90	4,100.2	1,586.7	1,179.8	1,108.5	71.28	16.552	
14,300.0	10,385.7	14,580.5	10,403.2	37.6	34.4	91.91	4,150.2	1,586.1	1,179.6	1,107.7	71.96	16.393	
14,345.0	10,385.9	14,625.5	10,403.6	37.9	34.7	91.91	4,195.2	1,585.7	1,179.4	1,106.9	72.57	16.252	
14,400.0	10,386.1	14,680.5	10,404.0	38.3	35.1	91.92	4,250.1	1,585.1	1,179.2	1,105.9	73.32	16.083	
14,440.0	10,386.2	14,720.5	10,404.3	38.5	35.4	91.93	4,290.1	1,584.6	1,179.1	1,105.2	73.87	15.961	
14,500.0	10,386.4	14,780.5	10,404.7	38.9	35.8	91.94	4,350.1	1,584.0	1,178.8	1,104.1	74.69	15.783	
14,535.0	10,386.6	14,815.5	10,405.0	39.2	36.1	91.95	4,385.1	1,583.6	1,178.7	1,103.5	75.17	15.680	
14,600.0	10,386.8	14,880.5	10,405.5	39.6	36.5	91.96	4,450.1	1,582.9	1,178.4	1,102.4	76.07	15.492	
14,630.0	10,386.9	14,910.5	10,405.7	39.8	36.8	91.97	4,480.1	1,582.6	1,178.3	1,101.9	76.48	15.407	
14,700.0	10,387.2	14,980.5	10,406.2	40.2	37.3	91.98	4,550.1	1,581.8	1,178.1	1,100.6	77.45	15.211	
14,725.0	10,387.3	15,005.5	10,406.4	40.4	37.4	91.98	4,575.1	1,581.6	1,178.0	1,100.2	77.79	15.142	
14,800.0	10,387.6	15,080.5	10,407.0	40.9	38.0	92.00	4,650.1	1,580.8	1,177.7	1,098.8	78.83	14.939	
14,820.0	10,387.6	15,100.5	10,407.1	41.0	38.1	92.00	4,670.1	1,580.6	1,177.6	1,098.5	79.11	14.885	
14,900.0	10,387.9	15,180.5	10,407.7	41.6	38.7	92.02	4,750.1	1,579.7	1,177.3	1,097.1	80.23	14.675	
14,915.0	10,388.0	15,195.5	10,407.8	41.7	38.8	92.02	4,765.1	1,579.5	1,177.2	1,096.8	80.44	14.636	
15,000.0	10,388.3	15,280.5	10,408.4	42.2	39.4	92.04	4,850.1	1,578.6	1,176.9	1,095.3	81.62	14.419	
15,010.0	10,388.4	15,290.5	10,408.5	42.3	39.5	92.04	4,860.1	1,578.5	1,176.9	1,095.1	81.76	14.394	
15,100.0	10,388.7	15,380.4	10,409.2	42.9	40.2	92.05	4,950.1	1,577.5	1,176.5	1,093.5	83.02	14.171	
15,105.0	10,388.7	15,385.4	10,409.2	42.9	40.2	92.06	4,955.1	1,577.5	1,176.5	1,093.4	83.09	14.159	
15,200.0	10,389.1	15,480.4	10,409.9	43.6	40.9	92.07	5,050.1	1,576.5	1,176.1	1,091.7	84.43	13.931	
15,295.0	10,389.4	15,575.4	10,410.6	44.2	41.6	92.09	5,145.1	1,575.4	1,175.8	1,090.0	85.77	13.709	
15,300.0	10,389.5	15,580.4	10,410.7	44.3	41.6	92.09	5,150.1	1,575.4	1,175.7	1,089.9	85.84	13.697	
15,390.0	10,389.8	15,670.4	10,411.4	44.9	42.3	92.11	5,240.0	1,574.4	1,175.4	1,088.3	87.11	13.493	
15,400.0	10,389.8	15,680.4	10,411.4	44.9	42.3	92.11	5,250.0	1,574.3	1,175.4	1,088.1	87.25	13.471	
15,485.0	10,390.2	15,765.4	10,412.1	45.5	43.0	92.13	5,335.0	1,573.4	1,175.0	1,086.6	88.45	13.284	
15,500.0	10,390.2	15,780.4	10,412.2	45.6	43.1	92.13	5,350.0	1,573.2	1,175.0	1,086.3	88.67	13.251	
15,580.0	10,390.5	15,860.4	10,412.8	46.2	43.7	92.14	5,430.0	1,572.4	1,174.7	1,084.9	89.80	13.080	
15,600.0	10,390.6	15,880.4	10,412.9	46.3	43.8	92.15	5,450.0	1,572.2	1,174.6	1,084.5	90.09	13.038	
15,675.0	10,390.9	15,955.4	10,413.5	46.8	44.4	92.16	5,525.0	1,571.4	1,174.3	1,083.1	91.16	12.882	
15,700.0	10,391.0	15,980.4	10,413.7	47.0	44.5	92.17	5,550.0	1,571.1	1,174.2	1,082.7	91.51	12.831	
15,770.0	10,391.2	16,050.4	10,414.2	47.5	45.1	92.18	5,620.0	1,570.3	1,173.9	1,081.4	92.51	12.690	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #909H - OWB - PWP0 — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 9914-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,800.0	10,391.3	16,080.4	10,414.4	47.7	45.3	92.19	5,650.0	1,570.0	1,173.8	1,080.9	92.94	12.630	
15,865.0	10,391.6	16,145.4	10,414.9	48.1	45.8	92.20	5,715.0	1,569.3	1,173.6	1,079.7	93.87	12.502	
15,900.0	10,391.7	16,180.4	10,415.2	48.4	46.0	92.20	5,750.0	1,568.9	1,173.4	1,079.0	94.37	12.434	
15,960.0	10,391.9	16,240.4	10,415.6	48.8	46.5	92.22	5,810.0	1,568.3	1,173.2	1,078.0	95.23	12.320	
16,000.0	10,392.1	16,280.4	10,415.9	49.1	46.8	92.22	5,850.0	1,567.9	1,173.0	1,077.2	95.80	12.244	
16,055.0	10,392.3	16,335.4	10,416.3	49.5	47.2	92.23	5,905.0	1,567.3	1,172.8	1,076.2	96.59	12.142	
16,100.0	10,392.5	16,380.4	10,416.7	49.8	47.5	92.24	5,950.0	1,566.8	1,172.6	1,075.4	97.24	12.060	
16,150.0	10,392.7	16,430.4	10,417.0	50.1	47.9	92.25	6,000.0	1,566.3	1,172.5	1,074.5	97.96	11.969	
16,200.0	10,392.8	16,480.4	10,417.4	50.5	48.2	92.26	6,050.0	1,565.7	1,172.3	1,073.6	98.68	11.880	
16,245.0	10,393.0	16,525.4	10,417.7	50.8	48.6	92.27	6,095.0	1,565.2	1,172.1	1,072.8	99.33	11.800	
16,300.0	10,393.2	16,580.4	10,418.1	51.2	49.0	92.28	6,150.0	1,564.6	1,171.9	1,071.8	100.12	11.705	
16,340.0	10,393.4	16,620.4	10,418.4	51.5	49.3	92.29	6,190.0	1,564.2	1,171.7	1,071.0	100.70	11.636	
16,400.0	10,393.6	16,680.4	10,418.9	51.9	49.7	92.30	6,249.9	1,563.6	1,171.5	1,069.9	101.56	11.535	
16,435.0	10,393.7	16,715.4	10,419.1	52.1	50.0	92.30	6,284.9	1,563.2	1,171.4	1,069.3	102.07	11.476	
16,500.0	10,394.0	16,780.4	10,419.6	52.6	50.5	92.32	6,349.9	1,562.5	1,171.1	1,068.1	103.01	11.369	
16,530.0	10,394.1	16,810.4	10,419.9	52.8	50.7	92.32	6,379.9	1,562.2	1,171.0	1,067.5	103.44	11.320	
16,600.0	10,394.4	16,880.4	10,420.4	53.3	51.2	92.34	6,449.9	1,561.4	1,170.7	1,066.3	104.46	11.208	
16,625.0	10,394.5	16,905.4	10,420.6	53.5	51.4	92.34	6,474.9	1,561.1	1,170.6	1,065.8	104.82	11.168	
16,700.0	10,394.7	16,980.4	10,421.1	54.0	51.9	92.35	6,549.9	1,560.3	1,170.3	1,064.4	105.91	11.051	
16,720.0	10,394.8	17,000.4	10,421.3	54.1	52.1	92.36	6,569.9	1,560.1	1,170.3	1,064.1	106.20	11.020	
16,800.0	10,395.1	17,080.4	10,421.9	54.7	52.7	92.37	6,649.9	1,559.3	1,169.9	1,062.6	107.36	10.897	
16,815.0	10,395.2	17,095.4	10,422.0	54.8	52.8	92.38	6,664.9	1,559.1	1,169.9	1,062.3	107.58	10.875	
16,900.0	10,395.5	17,180.4	10,422.6	55.4	53.4	92.39	6,749.9	1,558.2	1,169.6	1,060.7	108.82	10.748	
16,910.0	10,395.5	17,190.4	10,422.7	55.5	53.5	92.39	6,759.9	1,558.1	1,169.5	1,060.6	108.96	10.733	
17,000.0	10,395.9	17,280.4	10,423.4	56.1	54.2	92.41	6,849.9	1,557.1	1,169.2	1,058.9	110.27	10.603	
17,005.0	10,395.9	17,285.4	10,423.4	56.2	54.2	92.41	6,854.9	1,557.1	1,169.2	1,058.8	110.35	10.595	
17,100.0	10,396.2	17,380.4	10,424.1	56.9	54.9	92.43	6,949.9	1,556.0	1,168.8	1,057.1	111.73	10.461	
17,195.0	10,396.6	17,475.4	10,424.8	57.5	55.6	92.45	7,044.9	1,555.0	1,168.4	1,055.3	113.12	10.329	
17,200.0	10,396.6	17,480.4	10,424.9	57.6	55.7	92.45	7,049.9	1,555.0	1,168.4	1,055.2	113.19	10.322	
17,290.0	10,397.0	17,570.4	10,425.5	58.2	56.3	92.47	7,139.9	1,554.0	1,168.1	1,053.6	114.51	10.201	
17,300.0	10,397.0	17,580.4	10,425.6	58.3	56.4	92.47	7,149.9	1,553.9	1,168.0	1,053.4	114.65	10.187	
17,385.0	10,397.3	17,658.6	10,426.2	58.9	57.0	92.48	7,228.1	1,553.0	1,167.7	1,051.9	115.85	10.079	
17,393.7	10,397.3	17,669.7	10,426.3	59.0	57.1	92.48	7,239.1	1,553.0	1,167.7	1,051.7	115.99	10.067	CC
17,393.8	10,397.3	17,669.7	10,426.3	59.0	57.1	92.48	7,239.1	1,553.0	1,167.7	1,051.7	116.00	10.067	
17,400.0	10,397.4	17,674.1	10,426.3	59.0	57.1	92.49	7,243.5	1,552.9	1,167.7	1,051.6	116.07	10.060	
17,480.0	10,397.7	17,738.9	10,426.8	59.6	57.6	92.50	7,308.3	1,553.2	1,168.5	1,051.4	117.13	9.976	
17,500.0	10,397.8	17,758.9	10,426.9	59.7	57.7	92.50	7,328.3	1,553.3	1,168.8	1,051.4	117.43	9.953	
17,575.0	10,398.0	17,833.9	10,427.5	60.3	58.3	92.51	7,403.3	1,553.9	1,169.9	1,051.4	118.53	9.871	
17,600.0	10,398.1	17,858.9	10,427.7	60.4	58.5	92.51	7,428.3	1,554.1	1,170.3	1,051.4	118.89	9.843	
17,670.0	10,398.4	17,928.9	10,428.2	60.9	59.0	92.52	7,498.3	1,554.6	1,171.3	1,051.4	119.92	9.767	
17,700.0	10,398.5	17,958.9	10,428.4	61.2	59.2	92.53	7,528.3	1,554.9	1,171.7	1,051.4	120.36	9.735	
17,765.0	10,398.7	18,023.9	10,428.9	61.6	59.7	92.54	7,593.3	1,555.4	1,172.7	1,051.4	121.31	9.667	
17,800.0	10,398.9	18,058.9	10,429.2	61.9	60.0	92.54	7,628.3	1,555.6	1,173.2	1,051.4	121.83	9.630	
17,860.0	10,399.1	18,118.9	10,429.6	62.3	60.4	92.55	7,688.3	1,556.1	1,174.1	1,051.4	122.71	9.568	
17,900.0	10,399.3	18,158.9	10,429.9	62.6	60.7	92.56	7,728.3	1,556.4	1,174.6	1,051.3	123.30	9.527	
17,955.0	10,399.5	18,213.8	10,430.3	63.0	61.1	92.57	7,783.2	1,556.8	1,175.4	1,051.3	124.10	9.471	
18,000.0	10,399.6	18,258.8	10,430.7	63.3	61.5	92.57	7,828.2	1,557.2	1,176.1	1,051.3	124.77	9.426	
18,046.6	10,399.8	18,305.5	10,431.0	63.7	61.8	92.58	7,874.9	1,557.5	1,176.8	1,051.3	125.45	9.380	
18,050.0	10,399.8	18,308.8	10,431.0	63.7	61.8	92.58	7,878.2	1,557.6	1,176.8	1,051.3	125.50	9.377	
18,096.7	10,400.0	18,355.5	10,431.4	64.0	62.2	92.59	7,924.9	1,557.9	1,177.5	1,051.3	126.19	9.332	ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,945.0	2,934.8	3,072.9	3,060.2	9.2	9.3	2.66	48.4	1,464.9	1,309.9	1,292.4	17.55	74.618	
3,000.0	2,989.3	3,126.1	3,112.9	9.4	9.5	2.88	43.8	1,459.1	1,296.7	1,278.8	17.90	72.449	
3,040.0	3,029.0	3,164.8	3,151.2	9.5	9.6	3.04	40.4	1,454.9	1,287.1	1,268.9	18.15	70.916	
3,100.0	3,088.5	3,222.8	3,208.6	9.7	9.9	3.28	35.4	1,448.6	1,272.7	1,254.2	18.53	68.693	
3,135.0	3,123.2	3,256.6	3,242.1	9.9	10.0	3.43	32.5	1,444.9	1,264.3	1,245.6	18.75	67.433	
3,200.0	3,187.6	3,319.5	3,304.3	10.1	10.2	3.70	27.0	1,438.0	1,248.8	1,229.6	19.16	65.170	
3,230.0	3,217.3	3,348.5	3,333.1	10.2	10.3	3.83	24.5	1,434.9	1,241.6	1,222.3	19.35	64.156	
3,300.0	3,286.7	3,416.1	3,400.1	10.5	10.6	4.14	18.7	1,427.5	1,225.0	1,205.2	19.80	61.865	
3,325.0	3,311.5	3,440.3	3,424.0	10.5	10.7	4.25	16.6	1,424.9	1,219.0	1,199.0	19.96	61.071	
3,400.0	3,385.9	3,512.8	3,495.8	10.8	11.0	4.60	10.3	1,417.0	1,201.2	1,180.7	20.44	58.764	
3,420.0	3,405.7	3,532.2	3,515.0	10.9	11.1	4.69	8.6	1,414.8	1,196.4	1,175.9	20.57	58.166	
3,500.0	3,485.0	3,609.5	3,591.6	11.2	11.4	5.07	2.0	1,406.4	1,177.5	1,156.4	21.08	55.850	
3,515.0	3,499.9	3,624.0	3,605.9	11.3	11.4	5.14	0.7	1,404.8	1,173.9	1,152.7	21.18	55.429	
3,600.0	3,584.2	3,706.2	3,687.3	11.6	11.7	5.56	-6.4	1,395.9	1,153.8	1,132.1	21.72	53.113	
3,610.0	3,594.1	3,715.8	3,696.9	11.6	11.8	5.61	-7.2	1,394.8	1,151.5	1,129.7	21.79	52.848	
3,700.0	3,683.3	3,802.9	3,783.0	11.9	12.1	6.07	-14.8	1,385.3	1,130.3	1,107.9	22.37	50.538	
3,705.0	3,688.3	3,807.7	3,787.8	12.0	12.1	6.10	-15.2	1,384.8	1,129.1	1,106.7	22.40	50.413	
3,800.0	3,782.5	3,899.5	3,878.8	12.3	12.5	6.60	-23.1	1,374.8	1,106.9	1,083.9	23.00	48.115	
3,895.0	3,876.6	3,991.4	3,969.7	12.7	12.9	7.13	-31.1	1,364.8	1,084.7	1,061.1	23.61	45.944	
3,900.0	3,881.6	3,996.2	3,974.5	12.7	12.9	7.16	-31.5	1,364.2	1,083.5	1,059.9	23.64	45.833	
3,990.0	3,970.8	4,083.2	4,060.7	13.1	13.3	7.68	-39.0	1,354.8	1,062.6	1,038.4	24.21	43.892	
4,000.0	3,980.8	4,092.9	4,070.2	13.1	13.3	7.74	-39.9	1,353.7	1,060.2	1,036.0	24.27	43.682	
4,085.0	4,065.0	4,175.1	4,151.6	13.4	13.6	8.25	-47.0	1,344.7	1,040.6	1,015.8	24.80	41.951	
4,100.0	4,079.9	4,189.6	4,166.0	13.5	13.7	8.35	-48.2	1,343.2	1,037.1	1,012.2	24.90	41.654	
4,180.0	4,159.2	4,266.9	4,242.6	13.8	14.0	8.85	-54.9	1,334.7	1,018.7	993.3	25.39	40.114	
4,200.0	4,179.0	4,286.2	4,261.7	13.9	14.1	8.98	-56.6	1,332.6	1,014.1	988.6	25.52	39.740	
4,275.0	4,253.4	4,358.7	4,333.5	14.2	14.4	9.47	-62.9	1,324.7	996.9	970.9	25.98	38.375	
4,300.0	4,278.2	4,382.9	4,357.5	14.3	14.5	9.64	-64.9	1,322.1	991.2	965.0	26.13	37.933	
4,370.0	4,347.6	4,450.6	4,424.5	14.6	14.8	10.12	-70.8	1,314.7	975.2	948.7	26.55	36.728	
4,400.0	4,377.3	4,479.6	4,453.2	14.7	14.9	10.33	-73.3	1,311.5	968.4	941.7	26.73	36.226	
4,465.0	4,441.8	4,542.4	4,515.4	14.9	15.1	10.80	-78.7	1,304.7	953.7	926.6	27.12	35.167	
4,500.0	4,476.5	4,576.3	4,548.9	15.1	15.3	11.06	-81.7	1,301.0	945.8	918.4	27.32	34.613	
4,560.0	4,536.0	4,634.3	4,606.4	15.3	15.5	11.51	-86.7	1,294.7	932.3	904.6	27.67	33.688	
4,600.0	4,575.6	4,672.9	4,644.7	15.5	15.7	11.82	-90.0	1,290.5	923.3	895.4	27.90	33.088	
4,653.0	4,628.2	4,724.2	4,695.4	15.7	15.9	12.24	-94.5	1,284.9	911.4	883.3	28.19	32.329	
4,655.0	4,630.1	4,726.1	4,697.3	15.7	15.9	12.25	-94.6	1,284.7	911.0	882.8	28.20	32.301	
4,700.0	4,674.8	4,769.7	4,740.4	15.8	16.1	12.59	-98.4	1,279.9	901.2	872.7	28.44	31.683	
4,750.0	4,724.4	4,818.2	4,788.5	16.0	16.3	12.97	-102.6	1,274.6	890.7	862.0	28.72	31.016	
4,800.0	4,774.1	4,866.7	4,836.6	16.2	16.5	13.36	-106.8	1,269.3	880.6	851.7	28.99	30.379	
4,845.0	4,818.9	4,910.6	4,880.0	16.4	16.7	13.70	-110.6	1,264.6	872.0	842.8	29.22	29.838	
4,900.0	4,873.7	4,964.2	4,933.1	16.6	16.9	14.13	-115.2	1,258.7	862.0	832.4	29.51	29.209	
4,940.0	4,913.5	5,003.3	4,971.8	16.8	17.0	14.44	-118.6	1,254.4	855.0	825.3	29.71	28.778	
5,000.0	4,973.4	5,062.0	5,029.9	17.0	17.3	14.92	-123.7	1,248.0	845.1	815.1	30.01	28.164	
5,035.0	5,008.3	5,096.3	5,063.9	17.1	17.4	15.19	-126.7	1,244.3	839.7	809.5	30.17	27.829	
5,100.0	5,073.2	5,160.1	5,127.1	17.3	17.7	15.70	-132.2	1,237.3	830.1	799.6	30.48	27.239	
5,130.0	5,103.1	5,189.6	5,156.3	17.4	17.8	15.94	-134.7	1,234.1	826.0	795.4	30.61	26.986	
5,200.0	5,173.1	5,258.6	5,224.6	17.6	18.1	16.49	-140.7	1,226.6	816.9	786.0	30.91	26.429	
5,225.0	5,198.1	5,283.2	5,249.0	17.7	18.2	16.69	-142.8	1,223.9	813.9	782.9	31.01	26.247	
5,300.0	5,273.0	5,357.2	5,322.3	17.9	18.5	17.27	-149.2	1,215.9	805.6	774.3	31.31	25.732	
5,320.0	5,293.0	5,377.0	5,341.9	18.0	18.6	17.43	-150.9	1,213.7	803.6	772.2	31.36	25.623	
5,403.0	5,376.0	5,459.1	5,423.2	18.1	19.0	103.86	-158.0	1,204.7	795.8	764.2	31.58	25.200	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,415.0	5,388.0	5,471.0	5,435.0	18.1	19.0	103.96	-159.1	1,203.4	794.8	763.2	31.60	25.153	
5,500.0	5,473.0	5,555.2	5,518.3	18.1	19.4	104.64	-166.3	1,194.3	787.6	755.9	31.72	24.827	
5,510.0	5,483.0	5,565.1	5,528.1	18.1	19.4	104.72	-167.2	1,193.2	786.7	755.0	31.74	24.790	
5,600.0	5,573.0	5,654.2	5,616.4	18.2	19.8	105.45	-174.9	1,183.5	779.2	747.4	31.86	24.460	
5,605.0	5,578.0	5,659.2	5,621.3	18.2	19.8	105.49	-175.3	1,182.9	778.8	747.0	31.86	24.442	
5,700.0	5,673.0	5,753.2	5,714.4	18.2	20.2	106.28	-183.5	1,172.7	771.1	739.1	31.98	24.110	
5,795.0	5,768.0	5,847.3	5,807.6	18.3	20.6	107.08	-191.6	1,162.4	763.5	731.4	32.09	23.795	
5,800.0	5,773.0	5,852.3	5,812.5	18.3	20.6	107.13	-192.0	1,161.9	763.1	731.0	32.09	23.778	
5,890.0	5,863.0	5,941.4	5,900.8	18.3	21.0	107.90	-199.8	1,152.2	756.0	723.8	32.18	23.495	
5,900.0	5,873.0	5,951.3	5,910.6	18.3	21.0	107.99	-200.6	1,151.1	755.2	723.0	32.19	23.465	
5,985.0	5,958.0	6,035.5	5,993.9	18.3	21.4	108.74	-207.9	1,141.9	748.7	716.5	32.25	23.217	
6,000.0	5,973.0	6,050.3	6,008.6	18.3	21.4	108.87	-209.2	1,140.3	747.6	715.3	32.26	23.176	
6,080.0	6,053.0	6,125.4	6,083.0	18.4	21.7	109.53	-215.5	1,132.3	741.7	709.4	32.30	22.961	
6,100.0	6,073.0	6,144.0	6,101.4	18.4	21.8	109.69	-216.9	1,130.5	740.4	708.1	32.32	22.908	
6,175.0	6,148.0	6,213.7	6,170.7	18.4	22.1	110.24	-222.1	1,124.0	735.7	703.3	32.39	22.716	
6,200.0	6,173.0	6,237.0	6,193.8	18.4	22.2	110.41	-223.7	1,121.9	734.2	701.8	32.41	22.656	
6,270.0	6,243.0	6,300.0	6,256.5	18.5	22.5	110.85	-227.8	1,116.8	730.5	698.0	32.47	22.494	
6,300.0	6,273.0	6,330.3	6,286.7	18.5	22.6	111.05	-229.6	1,114.5	729.0	696.5	32.50	22.430	
6,365.0	6,338.0	6,391.2	6,347.3	18.5	22.8	111.42	-232.9	1,110.3	726.1	693.5	32.57	22.294	
6,400.0	6,373.0	6,424.0	6,380.0	18.5	22.9	111.59	-234.6	1,108.3	724.7	692.1	32.61	22.226	
6,460.0	6,433.0	6,480.3	6,436.1	18.5	23.1	111.87	-237.1	1,105.1	722.5	689.9	32.67	22.113	
6,500.0	6,473.0	6,517.8	6,473.6	18.6	23.3	112.04	-238.6	1,103.2	721.3	688.5	32.72	22.042	
6,555.0	6,528.0	6,569.6	6,525.2	18.6	23.4	112.24	-240.4	1,100.9	719.8	687.0	32.79	21.948	
6,600.0	6,573.0	6,611.9	6,567.5	18.6	23.6	112.38	-241.7	1,099.3	718.7	685.8	32.85	21.875	
6,650.0	6,623.0	6,659.0	6,614.6	18.6	23.7	112.51	-242.8	1,097.9	717.7	684.8	32.92	21.799	
6,700.0	6,673.0	6,706.1	6,661.7	18.7	23.9	112.62	-243.8	1,096.7	716.9	683.9	33.00	21.725	
6,745.0	6,718.0	6,748.5	6,704.1	18.7	24.0	112.69	-244.4	1,095.9	716.4	683.4	33.07	21.665	
6,800.0	6,773.0	6,800.0	6,755.6	18.7	24.1	112.75	-244.9	1,095.2	716.0	682.8	33.16	21.593	
6,840.0	6,813.0	6,838.1	6,793.7	18.7	24.2	112.77	-245.1	1,095.0	715.8	682.6	33.20	21.564	
6,878.7	6,851.7	6,875.1	6,830.7	18.7	24.2	112.77	-245.1	1,094.9	715.8	682.6	33.23	21.540	
6,900.0	6,873.0	6,896.5	6,852.0	18.7	24.2	112.77	-245.1	1,094.9	715.8	682.6	33.24	21.534	
6,935.0	6,908.0	6,931.5	6,887.0	18.8	24.2	112.77	-245.1	1,094.9	715.8	682.5	33.27	21.516	
7,000.0	6,973.0	6,996.5	6,952.0	18.8	24.2	112.77	-245.1	1,094.9	715.8	682.5	33.32	21.482	
7,030.0	7,003.0	7,026.5	6,982.0	18.8	24.3	112.77	-245.1	1,094.9	715.8	682.5	33.35	21.467	
7,100.0	7,073.0	7,096.5	7,052.0	18.8	24.3	112.77	-245.1	1,094.9	715.8	682.4	33.40	21.430	
7,125.0	7,098.0	7,121.5	7,077.0	18.8	24.3	112.77	-245.1	1,094.9	715.8	682.4	33.42	21.417	
7,200.0	7,173.0	7,196.5	7,152.0	18.9	24.3	112.77	-245.1	1,094.9	715.8	682.3	33.48	21.378	
7,220.0	7,193.0	7,216.5	7,172.0	18.9	24.3	112.77	-245.1	1,094.9	715.8	682.3	33.50	21.367	
7,300.0	7,273.0	7,296.5	7,252.0	18.9	24.3	112.77	-245.1	1,094.9	715.8	682.2	33.57	21.325	
7,315.0	7,288.0	7,311.5	7,267.0	18.9	24.3	112.77	-245.1	1,094.9	715.8	682.2	33.58	21.318	
7,400.0	7,373.0	7,396.5	7,352.0	19.0	24.3	112.77	-245.1	1,094.9	715.8	682.2	33.65	21.273	
7,410.0	7,383.0	7,406.5	7,362.0	19.0	24.3	112.77	-245.1	1,094.9	715.8	682.2	33.66	21.268	
7,500.0	7,473.0	7,496.5	7,452.0	19.0	24.4	112.77	-245.1	1,094.9	715.8	682.1	33.73	21.220	
7,505.0	7,478.0	7,501.5	7,457.0	19.0	24.4	112.77	-245.1	1,094.9	715.8	682.1	33.74	21.218	
7,600.0	7,573.0	7,596.5	7,552.0	19.1	24.4	112.77	-245.1	1,094.9	715.8	682.0	33.82	21.168	
7,695.0	7,668.0	7,691.5	7,647.0	19.1	24.4	112.77	-245.1	1,094.9	715.8	681.9	33.90	21.117	
7,700.0	7,673.0	7,696.5	7,652.0	19.1	24.4	112.77	-245.1	1,094.9	715.8	681.9	33.90	21.115	
7,790.0	7,763.0	7,786.5	7,742.0	19.2	24.4	112.77	-245.1	1,094.9	715.8	681.8	33.98	21.067	
7,800.0	7,773.0	7,796.5	7,752.0	19.2	24.4	112.77	-245.1	1,094.9	715.8	681.8	33.99	21.062	
7,885.0	7,858.0	7,881.5	7,837.0	19.2	24.4	112.77	-245.1	1,094.9	715.8	681.8	34.06	21.017	
7,900.0	7,873.0	7,896.5	7,852.0	19.2	24.4	112.77	-245.1	1,094.9	715.8	681.7	34.07	21.009	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,980.0	7,953.0	7,976.5	7,932.0	19.2	24.5	112.77	-245.1	1,094.9	715.8	681.7	34.14	20.966	
8,000.0	7,973.0	7,996.5	7,952.0	19.3	24.5	112.77	-245.1	1,094.9	715.8	681.7	34.16	20.956	
8,075.0	8,048.0	8,071.5	8,027.0	19.3	24.5	112.77	-245.1	1,094.9	715.8	681.6	34.22	20.916	
8,100.0	8,073.0	8,096.5	8,052.0	19.3	24.5	112.77	-245.1	1,094.9	715.8	681.6	34.25	20.903	
8,170.0	8,143.0	8,166.5	8,122.0	19.3	24.5	112.77	-245.1	1,094.9	715.8	681.5	34.31	20.865	
8,200.0	8,173.0	8,196.5	8,152.0	19.4	24.5	112.77	-245.1	1,094.9	715.8	681.5	34.33	20.849	
8,265.0	8,238.0	8,261.5	8,217.0	19.4	24.5	112.77	-245.1	1,094.9	715.8	681.4	34.39	20.815	
8,300.0	8,273.0	8,296.5	8,252.0	19.4	24.5	112.77	-245.1	1,094.9	715.8	681.4	34.42	20.796	
8,360.0	8,333.0	8,356.5	8,312.0	19.4	24.6	112.77	-245.1	1,094.9	715.8	681.3	34.47	20.764	
8,400.0	8,373.0	8,396.5	8,352.0	19.5	24.6	112.77	-245.1	1,094.9	715.8	681.3	34.51	20.743	
8,455.0	8,428.0	8,451.5	8,407.0	19.5	24.6	112.77	-245.1	1,094.9	715.8	681.3	34.56	20.713	
8,500.0	8,473.0	8,496.5	8,452.0	19.5	24.6	112.77	-245.1	1,094.9	715.8	681.2	34.60	20.689	
8,550.0	8,523.0	8,546.5	8,502.0	19.5	24.6	112.77	-245.1	1,094.9	715.8	681.2	34.64	20.663	
8,600.0	8,573.0	8,596.5	8,552.0	19.6	24.6	112.77	-245.1	1,094.9	715.8	681.1	34.69	20.636	
8,645.0	8,618.0	8,641.5	8,597.0	19.6	24.6	112.77	-245.1	1,094.9	715.8	681.1	34.73	20.612	
8,700.0	8,673.0	8,696.5	8,652.0	19.6	24.6	112.77	-245.1	1,094.9	715.8	681.0	34.78	20.582	
8,740.0	8,713.0	8,736.5	8,692.0	19.6	24.7	112.77	-245.1	1,094.9	715.8	681.0	34.81	20.561	
8,800.0	8,773.0	8,796.5	8,752.0	19.6	24.7	112.77	-245.1	1,094.9	715.8	680.9	34.87	20.529	
8,835.0	8,808.0	8,831.5	8,787.0	19.7	24.7	112.77	-245.1	1,094.9	715.8	680.9	34.90	20.510	
8,900.0	8,873.0	8,896.5	8,852.0	19.7	24.7	112.77	-245.1	1,094.9	715.8	680.9	34.96	20.475	
8,930.0	8,903.0	8,926.5	8,882.0	19.7	24.7	112.77	-245.1	1,094.9	715.8	680.8	34.99	20.459	
9,000.0	8,973.0	8,996.5	8,952.0	19.7	24.7	112.77	-245.1	1,094.9	715.8	680.8	35.05	20.422	
9,025.0	8,998.0	9,021.5	8,977.0	19.8	24.7	112.77	-245.1	1,094.9	715.8	680.7	35.07	20.408	
9,100.0	9,073.0	9,096.5	9,052.0	19.8	24.8	112.77	-245.1	1,094.9	715.8	680.7	35.14	20.368	
9,120.0	9,093.0	9,116.5	9,072.0	19.8	24.8	112.77	-245.1	1,094.9	715.8	680.6	35.16	20.358	
9,200.0	9,173.0	9,196.5	9,152.0	19.9	24.8	112.77	-245.1	1,094.9	715.8	680.6	35.24	20.315	
9,215.0	9,188.0	9,211.5	9,167.0	19.9	24.8	112.77	-245.1	1,094.9	715.8	680.6	35.25	20.307	
9,300.0	9,273.0	9,296.5	9,252.0	19.9	24.8	112.77	-245.1	1,094.9	715.8	680.5	35.33	20.261	
9,310.0	9,283.0	9,306.5	9,262.0	19.9	24.8	112.77	-245.1	1,094.9	715.8	680.5	35.34	20.256	
9,400.0	9,373.0	9,396.5	9,352.0	20.0	24.8	112.77	-245.1	1,094.9	715.8	680.4	35.42	20.207	
9,405.0	9,378.0	9,401.5	9,357.0	20.0	24.8	112.77	-245.1	1,094.9	715.8	680.4	35.43	20.205	
9,500.0	9,473.0	9,496.5	9,452.0	20.0	24.9	112.77	-245.1	1,094.9	715.8	680.3	35.52	20.154	
9,595.0	9,568.0	9,591.5	9,547.0	20.1	24.9	112.77	-245.1	1,094.9	715.8	680.2	35.61	20.103	
9,600.0	9,573.0	9,596.5	9,552.0	20.1	24.9	112.77	-245.1	1,094.9	715.8	680.2	35.61	20.100	
9,690.0	9,663.0	9,686.5	9,642.0	20.1	24.9	112.77	-245.1	1,094.9	715.8	680.1	35.70	20.052	
9,700.0	9,673.0	9,696.5	9,652.0	20.1	24.9	112.77	-245.1	1,094.9	715.8	680.1	35.71	20.047	
9,785.0	9,758.0	9,781.5	9,737.0	20.1	24.9	112.77	-245.1	1,094.9	715.8	680.0	35.79	20.001	
9,800.0	9,773.0	9,796.5	9,752.0	20.2	24.9	112.77	-245.1	1,094.9	715.8	680.0	35.80	19.993	
9,880.0	9,853.0	9,876.5	9,832.0	20.2	25.0	112.77	-245.1	1,094.9	715.8	679.9	35.88	19.950	
9,900.0	9,873.0	9,896.5	9,852.0	20.2	25.0	112.77	-245.1	1,094.9	715.8	679.9	35.90	19.939	
9,921.5	9,894.5	9,918.0	9,873.5	20.2	25.0	112.77	-245.1	1,094.9	715.8	679.9	35.91	19.933	
9,925.0	9,898.0	9,921.5	9,877.0	20.2	25.0	113.16	-245.1	1,094.9	715.8	679.9	35.91	19.932	
9,950.0	9,923.0	9,946.4	9,902.0	20.2	25.0	113.19	-245.1	1,094.9	716.1	680.2	35.91	19.943	
9,975.0	9,947.9	9,971.4	9,926.9	20.2	25.0	113.25	-245.1	1,094.9	717.0	681.1	35.88	19.983	
10,000.0	9,972.7	9,996.1	9,951.7	20.2	25.0	113.35	-245.1	1,094.9	718.4	682.5	35.82	20.052	
10,025.0	9,997.2	10,020.7	9,976.2	20.2	25.0	113.48	-245.1	1,094.9	720.3	684.5	35.75	20.150	
10,050.0	10,021.5	10,044.9	10,000.5	20.2	25.0	113.63	-245.1	1,094.9	722.7	687.1	35.64	20.278	
10,070.0	10,040.6	10,064.1	10,019.6	20.2	25.0	113.77	-245.1	1,094.9	725.1	689.6	35.54	20.402	
10,075.0	10,045.4	10,068.8	10,024.4	20.2	25.0	113.80	-245.1	1,094.9	725.8	690.3	35.52	20.436	
10,100.0	10,068.9	10,092.3	10,047.9	20.2	25.0	113.98	-245.1	1,094.9	729.4	694.0	35.37	20.624	
10,125.0	10,091.9	10,115.4	10,070.9	20.2	25.0	114.16	-245.1	1,094.9	733.7	698.5	35.19	20.846	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS

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
10,150.0	10,114.4	10,153.5	10,109.0	20.2	25.0	114.81	-244.6	1,094.9	738.5	703.5	35.02	21.090	
10,165.0	10,127.6	10,199.8	10,155.1	20.2	25.1	115.79	-240.2	1,094.9	741.1	706.2	35.00	21.176	
10,175.0	10,136.3	10,218.2	10,173.2	20.2	25.1	116.06	-237.1	1,094.9	742.7	707.7	34.98	21.233	
10,200.0	10,157.5	10,319.3	10,270.0	20.2	25.1	117.58	-208.5	1,094.9	745.7	710.3	35.40	21.063	
10,225.0	10,178.0	10,393.9	10,336.3	20.2	25.1	118.07	-174.5	1,094.8	747.1	711.2	35.90	20.813	
10,250.0	10,197.7	10,492.3	10,414.3	20.2	25.1	118.08	-114.7	1,094.7	746.9	709.9	36.92	20.228	
10,260.0	10,205.4	10,542.4	10,448.9	20.3	25.1	117.76	-78.6	1,094.6	746.3	708.8	37.58	19.862	
10,275.0	10,216.6	10,596.3	10,481.6	20.3	25.2	117.18	-35.8	1,094.5	745.0	706.8	38.27	19.466	
10,300.0	10,234.6	10,667.8	10,517.1	20.3	25.2	116.11	26.2	1,094.4	741.7	702.5	39.18	18.932	
10,325.0	10,251.7	10,743.5	10,544.2	20.3	25.2	114.53	96.7	1,094.2	737.3	697.1	40.18	18.350	
10,350.0	10,267.8	10,823.8	10,560.6	20.3	25.3	112.30	175.3	1,094.1	732.0	690.8	41.24	17.751	
10,355.0	10,270.9	10,836.2	10,561.9	20.3	25.3	111.94	187.6	1,094.0	730.9	689.5	41.38	17.661	
10,375.0	10,282.9	10,879.5	10,564.0	20.3	25.3	110.64	230.9	1,093.9	726.2	684.3	41.85	17.354	
10,400.0	10,296.9	10,900.3	10,564.2	20.3	25.3	110.40	251.7	1,093.9	720.6	678.7	41.88	17.207	
10,425.0	10,309.8	10,921.8	10,564.3	20.3	25.4	110.13	273.1	1,093.9	715.7	673.8	41.92	17.073	
10,450.0	10,321.5	10,943.9	10,564.5	20.3	25.4	109.83	295.3	1,093.8	711.4	669.5	41.96	16.954	
10,475.0	10,332.1	10,966.7	10,564.6	20.4	25.4	109.52	318.0	1,093.8	707.7	665.7	42.00	16.849	
10,500.0	10,341.5	10,989.9	10,564.8	20.4	25.4	109.22	341.2	1,093.7	704.6	662.5	42.05	16.757	
10,525.0	10,349.7	11,013.6	10,565.0	20.4	25.4	108.93	364.9	1,093.7	701.9	659.8	42.09	16.675	
10,545.0	10,355.3	11,032.8	10,565.1	20.4	25.5	108.71	384.1	1,093.6	700.2	658.0	42.14	16.617	
10,550.0	10,356.6	11,037.6	10,565.1	20.4	25.5	108.66	389.0	1,093.6	699.8	657.6	42.15	16.603	
10,575.0	10,362.3	11,062.0	10,565.3	20.4	25.5	108.43	413.4	1,093.6	698.1	655.9	42.20	16.542	
10,600.0	10,366.7	11,086.7	10,565.5	20.5	25.5	108.25	438.0	1,093.5	696.9	654.6	42.26	16.490	
10,625.0	10,369.7	11,111.5	10,565.6	20.5	25.5	108.11	462.8	1,093.5	696.1	653.8	42.32	16.446	
10,640.0	10,371.0	11,126.5	10,565.8	20.5	25.6	108.05	477.8	1,093.4	695.8	653.4	42.37	16.423	
10,650.0	10,371.5	11,136.4	10,565.8	20.5	25.6	108.03	487.8	1,093.4	695.7	653.3	42.39	16.410	
10,661.4	10,371.9	11,147.8	10,565.9	20.5	25.6	108.01	499.1	1,093.4	695.6	653.2	42.43	16.397	
10,669.7	10,372.0	11,156.1	10,566.0	20.5	25.6	108.00	507.5	1,093.4	695.7	653.2	42.45	16.388	
10,700.0	10,372.1	11,186.4	10,566.2	20.6	25.6	108.00	537.8	1,093.3	695.8	653.3	42.54	16.357	
10,735.0	10,372.2	11,221.4	10,566.4	20.7	25.7	108.01	572.8	1,093.2	696.0	653.4	42.66	16.316	
10,800.0	10,372.5	11,286.4	10,566.9	20.8	25.7	108.02	637.8	1,093.1	696.4	653.5	42.89	16.238	
10,830.0	10,372.6	11,316.4	10,567.1	20.8	25.8	108.02	667.8	1,093.0	696.5	653.5	43.00	16.198	
10,900.0	10,372.9	11,386.4	10,567.6	21.0	25.9	108.03	737.8	1,092.9	696.9	653.6	43.28	16.101	
10,925.0	10,373.0	11,411.4	10,567.8	21.0	25.9	108.04	762.8	1,092.8	697.1	653.7	43.39	16.064	
11,000.0	10,373.2	11,486.4	10,568.3	21.2	26.0	108.05	837.8	1,092.7	697.5	653.7	43.73	15.949	
11,020.0	10,373.3	11,506.4	10,568.4	21.2	26.1	108.05	857.8	1,092.6	697.6	653.7	43.83	15.916	
11,100.0	10,373.6	11,586.4	10,569.0	21.4	26.2	108.06	937.7	1,092.4	698.0	653.8	44.23	15.782	
11,115.0	10,373.7	11,601.4	10,569.1	21.5	26.2	108.06	952.7	1,092.4	698.1	653.8	44.31	15.756	
11,200.0	10,374.0	11,686.4	10,569.7	21.7	26.4	108.07	1,037.7	1,092.2	698.5	653.8	44.77	15.603	
11,210.0	10,374.0	11,696.4	10,569.8	21.7	26.4	108.08	1,047.7	1,092.2	698.6	653.8	44.83	15.584	
11,300.0	10,374.4	11,786.4	10,570.4	22.0	26.6	108.09	1,137.7	1,092.0	699.1	653.7	45.36	15.412	
11,305.0	10,374.4	11,791.4	10,570.4	22.0	26.6	108.09	1,142.7	1,092.0	699.1	653.7	45.39	15.402	
11,400.0	10,374.8	11,886.4	10,571.1	22.3	26.8	108.10	1,237.7	1,091.8	699.6	653.6	45.99	15.212	
11,495.0	10,375.1	11,981.4	10,571.8	22.6	27.0	108.11	1,332.7	1,091.6	700.1	653.5	46.63	15.014	
11,500.0	10,375.1	11,986.4	10,571.8	22.6	27.0	108.12	1,337.7	1,091.6	700.2	653.5	46.66	15.004	
11,590.0	10,375.5	12,076.4	10,572.4	23.0	27.3	108.13	1,427.7	1,091.4	700.7	653.3	47.31	14.811	
11,600.0	10,375.5	12,086.4	10,572.5	23.0	27.3	108.13	1,437.7	1,091.4	700.7	653.3	47.38	14.790	
11,685.0	10,375.8	12,171.4	10,573.1	23.3	27.5	108.14	1,522.7	1,091.2	701.2	653.2	48.02	14.602	
11,700.0	10,375.9	12,186.4	10,573.2	23.4	27.5	108.14	1,537.7	1,091.2	701.2	653.1	48.13	14.570	
11,780.0	10,376.2	12,266.4	10,573.8	23.7	27.8	108.15	1,617.7	1,091.0	701.7	652.9	48.76	14.390	
11,800.0	10,376.3	12,286.4	10,573.9	23.8	27.8	108.16	1,637.7	1,091.0	701.8	652.9	48.92	14.346	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,875.0	10,376.5	12,361.4	10,574.5	24.1	28.0	108.17	1,712.7	1,090.8	702.2	652.7	49.54	14.176	
11,900.0	10,376.6	12,386.4	10,574.6	24.2	28.1	108.17	1,737.7	1,090.8	702.3	652.6	49.74	14.120	
11,970.0	10,376.9	12,456.4	10,575.1	24.5	28.3	108.18	1,807.7	1,090.6	702.7	652.4	50.34	13.959	
12,000.0	10,377.0	12,486.4	10,575.3	24.6	28.4	108.18	1,837.7	1,090.5	702.9	652.3	50.60	13.892	
12,065.0	10,377.3	12,551.4	10,575.8	24.9	28.6	108.19	1,902.7	1,090.4	703.2	652.1	51.17	13.743	
12,100.0	10,377.4	12,589.6	10,576.1	25.1	28.8	108.20	1,940.9	1,090.3	703.4	651.9	51.54	13.648	
12,160.0	10,377.6	12,652.2	10,576.5	25.4	29.0	108.22	2,003.5	1,089.6	703.2	651.1	52.13	13.489	
12,200.0	10,377.8	12,692.2	10,576.8	25.5	29.1	108.23	2,043.5	1,089.2	703.1	650.6	52.50	13.392	
12,255.0	10,378.0	12,747.2	10,577.2	25.8	29.3	108.25	2,098.5	1,088.6	703.0	649.9	53.02	13.258	
12,300.0	10,378.1	12,792.2	10,577.5	26.0	29.5	108.27	2,143.5	1,088.1	702.8	649.4	53.45	13.150	
12,350.0	10,378.3	12,842.2	10,577.8	26.3	29.7	108.29	2,193.5	1,087.6	702.7	648.8	53.93	13.029	
12,400.0	10,378.5	12,892.2	10,578.2	26.5	29.9	108.31	2,243.5	1,087.0	702.6	648.1	54.42	12.910	
12,445.0	10,378.7	12,937.2	10,578.5	26.7	30.0	108.32	2,288.5	1,086.5	702.4	647.6	54.87	12.802	
12,500.0	10,378.9	12,992.2	10,578.9	27.0	30.2	108.34	2,343.5	1,086.0	702.3	646.9	55.42	12.672	
12,540.0	10,379.1	13,032.2	10,579.2	27.2	30.4	108.36	2,383.5	1,085.5	702.2	646.3	55.83	12.578	
12,600.0	10,379.3	13,092.2	10,579.6	27.5	30.7	108.38	2,443.5	1,084.9	702.0	645.5	56.44	12.438	
12,635.0	10,379.4	13,127.2	10,579.9	27.7	30.8	108.39	2,478.5	1,084.5	701.9	645.1	56.80	12.356	
12,700.0	10,379.7	13,192.2	10,580.3	28.1	31.1	108.41	2,543.5	1,083.8	701.7	644.2	57.48	12.207	
12,730.0	10,379.8	13,222.2	10,580.5	28.2	31.2	108.42	2,573.5	1,083.5	701.6	643.8	57.80	12.138	
12,800.0	10,380.0	13,292.2	10,581.0	28.6	31.5	108.45	2,643.5	1,082.7	701.4	642.9	58.55	11.980	
12,825.0	10,380.1	13,317.2	10,581.2	28.7	31.6	108.46	2,668.5	1,082.4	701.3	642.5	58.82	11.924	
12,900.0	10,380.4	13,392.2	10,581.7	29.2	32.0	108.49	2,743.4	1,081.6	701.1	641.5	59.63	11.757	
12,920.0	10,380.5	13,412.2	10,581.9	29.3	32.1	108.49	2,763.4	1,081.4	701.1	641.2	59.85	11.713	
13,000.0	10,380.8	13,492.2	10,582.4	29.7	32.4	108.52	2,843.4	1,080.5	700.8	640.1	60.74	11.539	
13,015.0	10,380.8	13,507.2	10,582.5	29.8	32.5	108.53	2,858.4	1,080.4	700.8	639.9	60.91	11.506	
13,100.0	10,381.2	13,592.2	10,583.1	30.3	32.9	108.56	2,943.4	1,079.5	700.6	638.7	61.86	11.324	
13,110.0	10,381.2	13,602.2	10,583.2	30.3	33.0	108.56	2,953.4	1,079.3	700.5	638.6	61.98	11.303	
13,200.0	10,381.5	13,692.2	10,583.8	30.8	33.4	108.59	3,043.4	1,078.4	700.3	637.3	63.00	11.115	
13,205.0	10,381.6	13,697.2	10,583.9	30.9	33.4	108.60	3,048.4	1,078.3	700.3	637.2	63.06	11.105	
13,300.0	10,381.9	13,792.2	10,584.5	31.4	33.9	108.63	3,143.4	1,077.3	700.0	635.8	64.16	10.910	
13,395.0	10,382.3	13,887.2	10,585.2	32.0	34.4	108.66	3,238.4	1,076.3	699.7	634.5	65.27	10.720	
13,400.0	10,382.3	13,892.2	10,585.2	32.0	34.4	108.67	3,243.4	1,076.2	699.7	634.4	65.33	10.710	
13,490.0	10,382.6	13,982.2	10,585.9	32.6	34.9	108.70	3,333.4	1,075.2	699.5	633.1	66.40	10.534	
13,500.0	10,382.7	13,992.2	10,586.0	32.6	34.9	108.70	3,343.4	1,075.1	699.4	632.9	66.52	10.515	
13,585.0	10,383.0	14,077.2	10,586.5	33.1	35.4	108.73	3,428.4	1,074.2	699.2	631.7	67.54	10.352	
13,600.0	10,383.0	14,092.2	10,586.7	33.2	35.5	108.74	3,443.4	1,074.0	699.2	631.4	67.72	10.324	
13,680.0	10,383.3	14,172.2	10,587.2	33.7	35.9	108.77	3,523.4	1,073.2	698.9	630.2	68.69	10.175	
13,700.0	10,383.4	14,192.2	10,587.4	33.8	36.0	108.77	3,543.4	1,073.0	698.9	629.9	68.94	10.138	
13,775.0	10,383.7	14,267.2	10,587.9	34.3	36.4	108.80	3,618.4	1,072.1	698.7	628.8	69.85	10.002	
13,800.0	10,383.8	14,292.2	10,588.1	34.5	36.6	108.81	3,643.4	1,071.9	698.6	628.4	70.16	9.957	
13,870.0	10,384.1	14,362.2	10,588.6	34.9	36.9	108.84	3,713.4	1,071.1	698.4	627.4	71.03	9.833	
13,900.0	10,384.2	14,392.2	10,588.8	35.1	37.1	108.85	3,743.3	1,070.8	698.3	626.9	71.40	9.780	
13,965.0	10,384.4	14,457.2	10,589.2	35.5	37.5	108.87	3,808.3	1,070.1	698.1	625.9	72.21	9.668	
14,000.0	10,384.6	14,492.2	10,589.5	35.7	37.7	108.88	3,843.3	1,069.7	698.0	625.4	72.65	9.608	
14,060.0	10,384.8	14,552.2	10,589.9	36.1	38.0	108.91	3,903.3	1,069.1	697.9	624.5	73.41	9.507	
14,100.0	10,384.9	14,592.2	10,590.2	36.3	38.3	108.92	3,943.3	1,068.6	697.8	623.8	73.91	9.441	
14,155.0	10,385.1	14,647.2	10,590.6	36.7	38.6	108.94	3,998.3	1,068.0	697.6	623.0	74.61	9.350	
14,200.0	10,385.3	14,692.2	10,590.9	37.0	38.8	108.96	4,043.3	1,067.5	697.5	622.3	75.18	9.277	
14,250.0	10,385.5	14,742.2	10,591.2	37.3	39.1	108.97	4,093.3	1,067.0	697.3	621.5	75.82	9.197	
14,300.0	10,385.7	14,792.2	10,591.6	37.6	39.4	108.99	4,143.3	1,066.5	697.2	620.7	76.46	9.118	
14,345.0	10,385.9	14,837.2	10,591.9	37.9	39.7	109.01	4,188.3	1,066.0	697.1	620.0	77.04	9.048	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-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)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,400.0	10,386.1	14,892.2	10,592.3	38.3	40.0	109.03	4,243.3	1,065.4	696.9	619.2	77.75	8.964	
14,440.0	10,386.2	14,932.2	10,592.6	38.5	40.3	109.04	4,283.3	1,064.9	696.8	618.5	78.27	8.903	
14,500.0	10,386.4	14,992.2	10,593.0	38.9	40.6	109.07	4,343.3	1,064.3	696.6	617.6	79.05	8.813	
14,535.0	10,386.6	15,027.2	10,593.2	39.2	40.9	109.08	4,378.3	1,063.9	696.5	617.0	79.50	8.761	
14,600.0	10,386.8	15,092.2	10,593.7	39.6	41.3	109.10	4,443.3	1,063.2	696.4	616.0	80.35	8.666	
14,630.0	10,386.9	15,122.2	10,593.9	39.8	41.4	109.11	4,473.3	1,062.9	696.3	615.5	80.75	8.623	
14,700.0	10,387.2	15,192.2	10,594.4	40.2	41.9	109.14	4,543.3	1,062.1	696.1	614.4	81.67	8.523	
14,725.0	10,387.3	15,217.2	10,594.6	40.4	42.0	109.15	4,568.3	1,061.9	696.0	614.0	82.00	8.488	
14,800.0	10,387.6	15,292.2	10,595.1	40.9	42.5	109.17	4,643.3	1,061.1	695.8	612.8	82.99	8.384	
14,820.0	10,387.6	15,312.2	10,595.3	41.0	42.6	109.18	4,663.3	1,060.8	695.7	612.5	83.25	8.357	
14,900.0	10,387.9	15,392.2	10,595.8	41.6	43.1	109.21	4,743.3	1,060.0	695.5	611.2	84.32	8.249	
14,915.0	10,388.0	15,407.2	10,595.9	41.7	43.2	109.22	4,758.3	1,059.8	695.5	611.0	84.52	8.229	
15,000.0	10,388.3	15,492.2	10,596.5	42.2	43.8	109.25	4,843.2	1,058.9	695.2	609.6	85.65	8.117	
15,010.0	10,388.4	15,502.2	10,596.6	42.3	43.8	109.25	4,853.2	1,058.8	695.2	609.4	85.79	8.104	
15,100.0	10,388.7	15,592.2	10,597.2	42.9	44.4	109.28	4,943.2	1,057.8	695.0	608.0	86.99	7.989	
15,105.0	10,388.7	15,597.2	10,597.3	42.9	44.4	109.29	4,948.2	1,057.7	695.0	607.9	87.06	7.982	
15,200.0	10,389.1	15,692.2	10,597.9	43.6	45.0	109.32	5,043.2	1,056.7	694.7	606.3	88.34	7.864	
15,295.0	10,389.4	15,787.2	10,598.6	44.2	45.7	109.36	5,138.2	1,055.7	694.4	604.8	89.63	7.748	
15,300.0	10,389.5	15,792.2	10,598.6	44.3	45.7	109.36	5,143.2	1,055.6	694.4	604.7	89.70	7.742	
15,390.0	10,389.8	15,882.2	10,599.3	44.9	46.3	109.39	5,233.2	1,054.7	694.2	603.2	90.92	7.635	
15,400.0	10,389.8	15,892.2	10,599.3	44.9	46.3	109.39	5,243.2	1,054.6	694.1	603.1	91.06	7.623	
15,485.0	10,390.2	15,977.2	10,599.9	45.5	46.9	109.43	5,328.2	1,053.6	693.9	601.7	92.22	7.525	
15,500.0	10,390.2	15,992.2	10,600.0	45.6	47.0	109.43	5,343.2	1,053.5	693.9	601.4	92.42	7.508	
15,580.0	10,390.5	16,072.2	10,600.6	46.2	47.5	109.46	5,423.2	1,052.6	693.6	600.1	93.52	7.417	
15,600.0	10,390.6	16,092.2	10,600.7	46.3	47.7	109.47	5,443.2	1,052.4	693.6	599.8	93.79	7.395	
15,675.0	10,390.9	16,167.2	10,601.3	46.8	48.2	109.50	5,518.2	1,051.6	693.4	598.6	94.82	7.312	
15,700.0	10,391.0	16,192.2	10,601.5	47.0	48.3	109.50	5,543.2	1,051.3	693.3	598.1	95.17	7.285	
15,770.0	10,391.2	16,262.2	10,601.9	47.5	48.8	109.53	5,613.2	1,050.5	693.1	597.0	96.13	7.210	
15,800.0	10,391.3	16,292.2	10,602.2	47.7	49.0	109.54	5,643.2	1,050.2	693.0	596.5	96.55	7.178	
15,865.0	10,391.6	16,357.2	10,602.6	48.1	49.4	109.57	5,708.2	1,049.5	692.9	595.4	97.45	7.110	
15,900.0	10,391.7	16,392.2	10,602.9	48.4	49.7	109.58	5,743.2	1,049.1	692.8	594.8	97.93	7.074	
15,960.0	10,391.9	16,452.2	10,603.3	48.8	50.1	109.60	5,803.1	1,048.5	692.6	593.8	98.77	7.012	
16,000.0	10,392.1	16,492.2	10,603.6	49.1	50.3	109.62	5,843.1	1,048.1	692.5	593.2	99.32	6.972	
16,055.0	10,392.3	16,547.2	10,604.0	49.5	50.7	109.64	5,898.1	1,047.5	692.3	592.2	100.09	6.917	
16,100.0	10,392.5	16,592.2	10,604.3	49.8	51.0	109.65	5,943.1	1,047.0	692.2	591.5	100.72	6.873	
16,150.0	10,392.7	16,642.2	10,604.6	50.1	51.4	109.67	5,993.1	1,046.4	692.1	590.7	101.41	6.824	
16,200.0	10,392.8	16,692.2	10,605.0	50.5	51.7	109.69	6,043.1	1,045.9	691.9	589.8	102.11	6.776	
16,245.0	10,393.0	16,737.2	10,605.3	50.8	52.0	109.71	6,088.1	1,045.4	691.8	589.1	102.74	6.733	
16,300.0	10,393.2	16,792.2	10,605.7	51.2	52.4	109.73	6,143.1	1,044.8	691.7	588.2	103.51	6.682	
16,340.0	10,393.4	16,832.2	10,606.0	51.5	52.6	109.74	6,183.1	1,044.4	691.6	587.5	104.08	6.645	
16,400.0	10,393.6	16,892.2	10,606.4	51.9	53.1	109.76	6,243.1	1,043.7	691.4	586.5	104.92	6.590	
16,435.0	10,393.7	16,927.2	10,606.6	52.1	53.3	109.78	6,278.1	1,043.4	691.3	585.9	105.41	6.558	
16,500.0	10,394.0	16,992.2	10,607.1	52.6	53.7	109.80	6,343.1	1,042.6	691.1	584.8	106.33	6.500	
16,530.0	10,394.1	17,022.2	10,607.3	52.8	53.9	109.81	6,373.1	1,042.3	691.0	584.3	106.75	6.473	
16,600.0	10,394.4	17,092.2	10,607.8	53.3	54.4	109.84	6,443.1	1,041.6	690.8	583.1	107.74	6.412	
16,625.0	10,394.5	17,117.2	10,608.0	53.5	54.6	109.85	6,468.1	1,041.3	690.8	582.7	108.09	6.391	
16,700.0	10,394.7	17,192.2	10,608.5	54.0	55.1	109.87	6,543.1	1,040.5	690.6	581.4	109.16	6.327	
16,720.0	10,394.8	17,212.2	10,608.6	54.1	55.3	109.88	6,563.1	1,040.3	690.5	581.1	109.44	6.310	
16,800.0	10,395.1	17,292.2	10,609.2	54.7	55.8	109.91	6,643.1	1,039.4	690.3	579.7	110.57	6.243	
16,815.0	10,395.2	17,307.2	10,609.3	54.8	55.9	109.92	6,658.1	1,039.2	690.3	579.5	110.79	6.231	
16,900.0	10,395.5	17,392.2	10,609.9	55.4	56.5	109.95	6,743.1	1,038.3	690.0	578.0	112.00	6.161	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: KEG SHELL FED COM PROJECT - KEG SHELL FEDERAL COM #910H - OWB - PWP0

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 1500-r.5 MWD+IFR1+MS, 10131-r.5 MWD+IFR1+MS

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,910.0	10,395.5	17,402.2	10,610.0	55.5	56.6	109.95	6,753.1	1,038.2	690.0	577.9	112.14	6.153	
17,000.0	10,395.9	17,492.2	10,610.6	56.1	57.2	109.99	6,843.0	1,037.2	689.8	576.3	113.42	6.081	
17,005.0	10,395.9	17,497.2	10,610.7	56.2	57.2	109.99	6,848.0	1,037.2	689.7	576.3	113.49	6.078	
17,100.0	10,396.2	17,592.2	10,611.3	56.9	57.9	110.02	6,943.0	1,036.2	689.5	574.6	114.85	6.004	
17,195.0	10,396.6	17,687.2	10,612.0	57.5	58.6	110.06	7,038.0	1,035.1	689.2	573.0	116.21	5.931	
17,200.0	10,396.6	17,692.2	10,612.0	57.6	58.6	110.06	7,043.0	1,035.1	689.2	572.9	116.28	5.927	
17,290.0	10,397.0	17,782.2	10,612.7	58.2	59.2	110.09	7,133.0	1,034.1	689.0	571.4	117.57	5.860	
17,300.0	10,397.0	17,792.2	10,612.7	58.3	59.3	110.10	7,143.0	1,034.0	688.9	571.2	117.71	5.853	
17,385.0	10,397.3	17,877.2	10,613.3	58.9	59.9	110.13	7,228.0	1,033.1	688.7	569.8	118.93	5.791	
17,396.6	10,397.4	17,886.9	10,613.4	59.0	60.0	110.13	7,237.7	1,033.0	688.7	569.6	119.07	5.784 CC	
17,400.0	10,397.4	17,889.7	10,613.4	59.0	60.0	110.13	7,240.5	1,033.0	688.7	569.6	119.10	5.782	
17,480.0	10,397.7	17,960.2	10,613.9	59.6	60.5	110.13	7,311.0	1,033.2	689.5	569.4	120.09	5.741 ES	
17,500.0	10,397.8	17,980.2	10,614.1	59.7	60.6	110.13	7,331.0	1,033.3	689.8	569.4	120.38	5.730	
17,575.0	10,398.0	18,055.2	10,614.6	60.3	61.2	110.12	7,406.0	1,033.9	690.9	569.5	121.46	5.689	
17,600.0	10,398.1	18,080.2	10,614.8	60.4	61.3	110.11	7,431.0	1,034.1	691.3	569.5	121.82	5.675	
17,670.0	10,398.4	18,150.1	10,615.3	60.9	61.8	110.10	7,501.0	1,034.7	692.3	569.5	122.82	5.637	
17,700.0	10,398.5	18,180.1	10,615.5	61.2	62.0	110.10	7,531.0	1,034.9	692.8	569.5	123.26	5.620	
17,765.0	10,398.7	18,245.1	10,615.9	61.6	62.5	110.09	7,596.0	1,035.4	693.7	569.5	124.19	5.586	
17,800.0	10,398.9	18,280.1	10,616.2	61.9	62.7	110.08	7,631.0	1,035.7	694.2	569.5	124.70	5.567	
17,860.0	10,399.1	18,340.1	10,616.6	62.3	63.2	110.07	7,691.0	1,036.1	695.1	569.5	125.56	5.536	
17,900.0	10,399.3	18,380.1	10,616.9	62.6	63.5	110.06	7,730.9	1,036.4	695.7	569.5	126.14	5.515	
17,955.0	10,399.5	18,435.1	10,617.3	63.0	63.8	110.06	7,785.9	1,036.8	696.5	569.6	126.94	5.487	
18,000.0	10,399.6	18,480.1	10,617.6	63.3	64.2	110.05	7,830.9	1,037.2	697.2	569.6	127.59	5.464	
18,046.6	10,399.8	18,526.7	10,617.9	63.7	64.5	110.04	7,877.6	1,037.6	697.8	569.6	128.26	5.441	
18,050.0	10,399.8	18,530.1	10,617.9	63.7	64.5	110.04	7,880.9	1,037.6	697.9	569.6	128.31	5.439	
18,096.7	10,400.0	18,576.8	10,618.3	64.0	64.9	110.03	7,927.6	1,037.9	698.6	569.6	128.98	5.416 SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,265.0	8,238.0	12,032.5	9,215.3	19.4	78.7	-179.74	-845.3	431.0	1,282.1	1,210.2	71.84	17.846	
8,300.0	8,273.0	12,033.3	9,215.3	19.4	78.7	-179.80	-845.3	431.8	1,256.8	1,184.0	72.72	17.283	
8,360.0	8,333.0	12,034.6	9,215.4	19.4	78.8	-179.89	-845.3	433.2	1,214.5	1,140.3	74.26	16.354	
8,400.0	8,373.0	12,035.5	9,215.4	19.5	78.8	-179.95	-845.3	434.1	1,187.2	1,111.9	75.32	15.761	
8,455.0	8,428.0	12,036.8	9,215.4	19.5	78.8	179.97	-845.3	435.3	1,150.9	1,074.0	76.82	14.982	
8,500.0	8,473.0	12,035.9	9,215.4	19.5	78.8	-179.97	-845.3	434.5	1,122.3	1,044.2	78.04	14.381	
8,550.0	8,523.0	12,036.8	9,215.4	19.5	78.8	179.97	-845.3	435.4	1,091.8	1,012.3	79.43	13.744	
8,600.0	8,573.0	12,037.7	9,215.4	19.6	78.8	179.91	-845.3	436.3	1,062.8	981.9	80.84	13.147	
8,645.0	8,618.0	12,038.5	9,215.4	19.6	78.9	179.86	-845.2	437.1	1,038.0	955.9	82.10	12.643	
8,700.0	8,673.0	12,039.5	9,215.5	19.6	78.9	179.80	-845.2	438.1	1,009.7	926.1	83.62	12.075	
8,740.0	8,713.0	12,040.2	9,215.5	19.6	78.9	179.75	-845.2	438.8	990.5	905.8	84.70	11.694	
8,800.0	8,773.0	12,041.2	9,215.5	19.6	78.9	179.68	-845.2	439.8	964.1	877.8	86.26	11.176	
8,835.0	8,808.0	12,041.8	9,215.5	19.7	78.9	179.64	-845.2	440.4	950.1	863.0	87.12	10.905	
8,900.0	8,873.0	12,043.0	9,215.5	19.7	79.0	179.57	-845.2	441.5	927.1	838.5	88.61	10.463	
8,930.0	8,903.0	12,043.5	9,215.5	19.7	79.0	179.54	-845.2	442.0	917.8	828.6	89.23	10.286	
9,000.0	8,973.0	12,044.7	9,215.6	19.7	79.0	179.46	-845.2	443.2	899.7	809.2	90.49	9.943	
9,025.0	8,998.0	12,045.1	9,215.6	19.8	79.0	179.43	-845.2	443.6	894.4	803.6	90.86	9.844	
9,100.0	9,073.0	12,046.3	9,215.6	19.8	79.0	179.35	-845.1	444.9	882.8	791.1	91.75	9.622	
9,120.0	9,093.0	12,046.7	9,215.6	19.8	79.0	179.33	-845.1	445.2	880.8	788.9	91.92	9.583	
9,200.0	9,173.0	12,048.0	9,215.6	19.9	79.1	179.24	-845.1	446.6	877.1	784.8	92.29	9.504	
9,200.2	9,173.2	12,048.0	9,215.6	19.9	79.1	179.24	-845.1	446.6	877.1	784.8	92.29	9.504	CC, ES
9,215.0	9,188.0	12,048.2	9,215.6	19.9	79.1	179.23	-845.1	446.8	877.3	785.0	92.31	9.504	SF
9,300.0	9,273.0	12,049.6	9,215.6	19.9	79.1	179.13	-845.1	448.2	882.8	790.7	92.08	9.587	
9,310.0	9,283.0	12,049.8	9,215.6	19.9	79.1	179.12	-845.1	448.3	884.0	792.0	92.02	9.606	
9,400.0	9,373.0	12,051.2	9,215.7	20.0	79.1	179.03	-845.1	449.8	899.6	808.4	91.19	9.865	
9,405.0	9,378.0	12,051.3	9,215.7	20.0	79.1	179.02	-845.1	449.9	900.7	809.6	91.13	9.884	
9,500.0	9,473.0	12,052.8	9,215.7	20.0	79.2	178.93	-845.1	451.4	926.9	837.2	89.73	10.330	
9,595.0	9,568.0	12,054.3	9,215.7	20.1	79.2	178.83	-845.0	452.9	961.9	873.9	87.97	10.934	
9,600.0	9,573.0	12,054.4	9,215.7	20.1	79.2	178.82	-845.0	452.9	963.9	876.1	87.87	10.970	
9,690.0	9,663.0	12,055.8	9,215.7	20.1	79.2	178.73	-845.0	454.3	1,004.6	918.6	85.98	11.684	
9,700.0	9,673.0	12,055.9	9,215.8	20.1	79.2	178.72	-845.0	454.5	1,009.5	923.7	85.77	11.771	
9,785.0	9,758.0	12,057.2	9,215.8	20.1	79.3	178.64	-845.0	455.8	1,054.2	970.3	83.90	12.565	
9,800.0	9,773.0	12,057.4	9,215.8	20.2	79.3	178.62	-845.0	456.0	1,062.6	979.0	83.57	12.715	
9,880.0	9,853.0	12,058.7	9,215.8	20.2	79.3	178.54	-845.0	457.2	1,109.7	1,027.9	81.81	13.563	
9,900.0	9,873.0	12,059.0	9,215.8	20.2	79.3	178.53	-845.0	457.5	1,122.0	1,040.7	81.38	13.787	
9,921.5	9,894.5	12,059.3	9,215.8	20.2	79.3	178.50	-845.0	457.8	1,135.6	1,054.7	80.92	14.034	
9,925.0	9,898.0	12,059.3	9,215.8	20.2	79.3	178.88	-845.0	457.9	1,137.8	1,057.0	80.84	14.075	
9,950.0	9,923.0	12,059.7	9,215.8	20.2	79.3	178.80	-845.0	458.3	1,154.5	1,074.2	80.33	14.372	
9,975.0	9,947.9	12,060.1	9,215.8	20.2	79.3	178.71	-845.0	458.6	1,172.4	1,092.6	79.87	14.680	
10,000.0	9,972.7	12,060.5	9,215.8	20.2	79.3	178.59	-845.0	459.0	1,191.5	1,112.1	79.44	14.999	
10,025.0	9,997.2	12,060.8	9,215.8	20.2	79.4	178.46	-845.0	459.4	1,211.6	1,132.5	79.06	15.325	
10,050.0	10,021.5	12,061.2	9,215.8	20.2	79.4	178.30	-844.9	459.8	1,232.5	1,153.8	78.72	15.658	
10,070.0	10,040.6	12,061.5	9,215.8	20.2	79.4	178.14	-844.9	460.1	1,249.9	1,171.4	78.48	15.926	
10,075.0	10,045.4	12,061.6	9,215.8	20.2	79.4	178.09	-844.9	460.2	1,254.3	1,175.9	78.43	15.994	
10,100.0	10,068.9	12,062.0	9,215.9	20.2	79.4	177.83	-844.9	460.6	1,276.8	1,198.7	78.18	16.333	
10,125.0	10,091.9	12,062.4	9,215.9	20.2	79.4	177.49	-844.9	460.9	1,300.0	1,222.0	77.97	16.672	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,300.0	9,273.0	15,540.0	10,513.5	19.9	88.3	174.40	-281.6	465.7	1,257.9	1,193.9	63.98	19.660	
9,310.0	9,283.0	15,540.0	10,513.5	19.9	88.3	174.40	-281.6	465.7	1,248.2	1,184.3	63.99	19.508	
9,400.0	9,373.0	15,540.0	10,513.5	20.0	88.3	174.40	-281.6	465.7	1,161.4	1,097.4	63.96	18.157	
9,405.0	9,378.0	15,540.0	10,513.5	20.0	88.3	174.40	-281.6	465.7	1,156.6	1,092.6	63.96	18.083	
9,500.0	9,473.0	15,540.0	10,513.5	20.0	88.3	174.40	-281.6	465.7	1,065.5	1,001.6	63.86	16.685	
9,595.0	9,568.0	15,540.0	10,513.5	20.1	88.3	174.40	-281.6	465.7	975.1	911.5	63.65	15.320	
9,600.0	9,573.0	15,540.0	10,513.5	20.1	88.3	174.40	-281.6	465.7	970.4	906.8	63.64	15.249	
9,690.0	9,663.0	15,540.0	10,513.5	20.1	88.3	174.40	-281.6	465.7	885.7	822.5	63.30	13.993	
9,700.0	9,673.0	15,540.0	10,513.5	20.1	88.3	174.40	-281.6	465.7	876.4	813.2	63.25	13.856	
9,785.0	9,758.0	15,540.0	10,513.5	20.1	88.3	174.40	-281.6	465.7	797.7	734.9	62.73	12.715	
9,800.0	9,773.0	15,540.0	10,513.5	20.2	88.3	174.40	-281.6	465.7	783.9	721.3	62.62	12.519	
9,880.0	9,853.0	15,540.0	10,513.5	20.2	88.3	174.40	-281.6	465.7	711.4	649.5	61.85	11.501	
9,900.0	9,873.0	15,540.0	10,513.5	20.2	88.3	174.40	-281.6	465.7	693.5	631.9	61.61	11.256	
9,921.5	9,894.5	15,540.0	10,513.5	20.2	88.3	174.40	-281.6	465.7	674.4	613.1	61.34	10.995	
9,925.0	9,898.0	15,540.0	10,513.5	20.2	88.3	174.85	-281.6	465.7	671.3	610.0	61.29	10.953	
9,950.0	9,923.0	15,540.0	10,513.5	20.2	88.3	175.29	-281.6	465.7	649.8	588.9	60.88	10.673	
9,975.0	9,947.9	15,540.0	10,513.5	20.2	88.3	175.64	-281.6	465.7	629.2	568.8	60.38	10.421	
10,000.0	9,972.7	15,540.0	10,513.5	20.2	88.3	175.91	-281.6	465.7	609.8	550.0	59.76	10.203	
10,025.0	9,997.2	15,540.0	10,513.5	20.2	88.3	176.13	-281.6	465.7	591.7	532.6	59.03	10.022	
10,050.0	10,021.5	15,540.0	10,513.5	20.2	88.3	176.31	-281.6	465.7	575.0	516.8	58.17	9.885	
10,070.0	10,040.6	15,540.0	10,513.5	20.2	88.3	176.42	-281.6	465.7	562.9	505.5	57.38	9.809	
10,075.0	10,045.4	15,540.0	10,513.5	20.2	88.3	176.45	-281.6	465.7	560.0	502.8	57.17	9.796	
10,100.0	10,068.9	15,540.0	10,513.5	20.2	88.3	176.56	-281.6	465.7	546.9	490.8	56.03	9.761 SF	
10,125.0	10,091.9	15,540.0	10,513.5	20.2	88.3	176.65	-281.6	465.7	535.7	481.0	54.74	9.787	
10,150.0	10,114.4	15,540.0	10,513.5	20.2	88.3	176.72	-281.6	465.7	526.8	473.4	53.32	9.879	
10,165.0	10,127.6	15,540.0	10,513.5	20.2	88.3	176.75	-281.6	465.7	522.5	470.1	52.41	9.970	
10,175.0	10,136.3	15,540.0	10,513.5	20.2	88.3	176.76	-281.6	465.7	520.1	468.3	51.78	10.045	
10,200.0	10,157.5	15,540.0	10,513.5	20.2	88.3	176.79	-281.6	465.7	515.9	465.7	50.14	10.288	
10,225.0	10,178.0	15,540.0	10,513.5	20.2	88.3	176.81	-281.6	465.7	514.1	465.7	48.44	10.613 ES	
10,229.9	10,181.9	15,540.0	10,513.5	20.2	88.3	176.81	-281.6	465.7	514.1	466.0	48.10	10.687 CC	
10,250.0	10,197.7	15,540.0	10,513.5	20.2	88.3	176.80	-281.6	465.7	514.9	468.2	46.71	11.022	
10,260.0	10,205.4	15,540.0	10,513.5	20.3	88.3	176.79	-281.6	465.7	515.9	469.9	46.02	11.209	
10,275.0	10,216.6	15,540.0	10,513.5	20.3	88.3	176.78	-281.6	465.7	518.1	473.1	45.00	11.514	
10,300.0	10,234.6	15,540.0	10,513.5	20.3	88.3	176.74	-281.6	465.7	523.9	480.5	43.35	12.085	
10,325.0	10,251.7	15,540.0	10,513.5	20.3	88.3	176.68	-281.6	465.7	531.9	490.2	41.79	12.730	
10,350.0	10,267.8	15,540.0	10,513.5	20.3	88.3	176.60	-281.6	465.7	542.2	501.9	40.35	13.439	
10,355.0	10,270.9	15,540.0	10,513.5	20.3	88.3	176.58	-281.6	465.7	544.6	504.5	40.08	13.588	
10,375.0	10,282.9	15,540.0	10,513.5	20.3	88.3	176.50	-281.6	465.7	554.6	515.6	39.05	14.202	
10,400.0	10,296.9	15,540.0	10,513.5	20.3	88.3	176.37	-281.6	465.7	568.9	531.0	37.91	15.005	
10,425.0	10,309.8	15,540.0	10,513.5	20.3	88.3	176.20	-281.6	465.7	584.9	548.0	36.93	15.838	
10,450.0	10,321.5	15,540.0	10,513.5	20.3	88.3	176.00	-281.6	465.7	602.5	566.4	36.10	16.689	
10,475.0	10,332.1	15,540.0	10,513.5	20.4	88.3	175.75	-281.6	465.7	621.4	586.0	35.41	17.549	
10,500.0	10,341.5	15,540.0	10,513.5	20.4	88.3	175.44	-281.6	465.7	641.6	606.7	34.85	18.411	
10,525.0	10,349.7	15,540.0	10,513.5	20.4	88.3	175.04	-281.6	465.7	662.8	628.4	34.39	19.272	
10,545.0	10,355.3	15,540.0	10,513.5	20.4	88.3	174.64	-281.6	465.7	680.4	646.3	34.09	19.956	
10,550.0	10,356.6	15,540.0	10,513.5	20.4	88.3	174.52	-281.6	465.7	684.8	650.8	34.03	20.126	
10,575.0	10,362.3	15,540.0	10,513.5	20.4	88.3	173.84	-281.6	465.7	707.7	673.9	33.74	20.975	
10,600.0	10,366.7	15,540.0	10,513.5	20.5	88.3	172.91	-281.6	465.7	731.1	697.6	33.51	21.815	
10,625.0	10,369.7	15,540.0	10,513.5	20.5	88.3	171.56	-281.6	465.7	755.0	721.7	33.34	22.648	
10,640.0	10,371.0	15,540.0	10,513.5	20.5	88.3	170.42	-281.6	465.7	769.6	736.4	33.25	23.144	
10,650.0	10,371.5	15,540.0	10,513.5	20.5	88.3	169.46	-281.6	465.7	779.4	746.2	33.20	23.472	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 0.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,669.7	10,372.0	15,540.0	10,513.5	20.5	88.3	166.77	-281.6	465.7	798.8	765.6	33.12	24.116	
10,700.0	10,372.1	15,540.0	10,513.5	20.6	88.3	166.77	-281.6	465.7	828.7	795.7	33.01	25.102	
10,735.0	10,372.2	15,540.0	10,513.5	20.7	88.3	166.77	-281.6	465.7	863.3	830.4	32.90	26.239	
10,800.0	10,372.5	15,540.0	10,513.5	20.8	88.3	166.77	-281.6	465.7	927.7	894.9	32.73	28.347	
10,830.0	10,372.6	15,540.0	10,513.5	20.8	88.3	166.77	-281.6	465.7	957.4	924.7	32.66	29.317	
10,900.0	10,372.9	15,540.0	10,513.5	21.0	88.3	166.77	-281.6	465.7	1,026.8	994.3	32.52	31.574	
10,925.0	10,373.0	15,540.0	10,513.5	21.0	88.3	166.77	-281.6	465.7	1,051.7	1,019.2	32.48	32.377	
11,000.0	10,373.2	15,540.0	10,513.5	21.2	88.3	166.77	-281.6	465.7	1,126.2	1,093.8	32.38	34.782	
11,020.0	10,373.3	15,540.0	10,513.5	21.2	88.3	166.77	-281.6	465.7	1,146.0	1,113.7	32.35	35.421	
11,100.0	10,373.6	15,540.0	10,513.5	21.4	88.3	166.77	-281.6	465.7	1,225.6	1,193.3	32.27	37.974	
11,115.0	10,373.7	15,540.0	10,513.5	21.5	88.3	166.77	-281.6	465.7	1,240.5	1,208.3	32.26	38.451	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7591-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	16.7	16.7	4.2	3.0	-118.62	-524.2	-960.5	1,094.3				
95.0	95.0	118.0	118.0	4.3	3.0	-118.63	-524.2	-960.1	1,093.9	1,086.6	7.26	150.653	
100.0	100.0	123.3	123.3	4.3	3.0	-118.63	-524.1	-960.1	1,093.9	1,086.6	7.26	150.591	
190.0	190.0	216.5	216.5	4.3	3.0	-118.60	-523.2	-959.7	1,093.0	1,085.7	7.35	148.793	
200.0	200.0	226.1	226.1	4.4	3.0	-118.59	-523.0	-959.6	1,093.0	1,085.6	7.36	148.524	
285.0	285.0	307.7	307.6	4.4	3.0	-118.53	-521.6	-959.6	1,092.3	1,084.8	7.44	146.837	
300.0	300.0	322.3	322.3	4.4	3.0	-118.51	-521.4	-959.7	1,092.2	1,084.7	7.45	146.513	
380.0	380.0	400.5	400.4	4.5	3.0	-118.44	-519.9	-960.0	1,091.8	1,084.2	7.53	145.001	
400.0	400.0	421.8	421.8	4.5	3.0	-118.41	-519.4	-960.2	1,091.7	1,084.1	7.55	144.592	
475.0	475.0	502.0	501.9	4.6	3.1	-118.32	-517.6	-960.4	1,091.1	1,083.4	7.62	143.144	
500.0	500.0	528.8	528.7	4.6	3.1	-118.29	-517.0	-960.4	1,090.8	1,083.1	7.65	142.616	
570.0	570.0	603.4	603.3	4.7	3.1	-118.20	-514.8	-960.3	1,089.8	1,082.1	7.72	141.182	
600.0	600.0	632.9	632.8	4.7	3.1	-118.16	-514.0	-960.3	1,089.3	1,081.5	7.75	140.531	
665.0	665.0	696.7	696.6	4.8	3.1	-118.09	-512.5	-960.0	1,088.3	1,080.5	7.82	139.178	
700.0	700.0	733.8	733.6	4.8	3.1	-118.07	-511.7	-959.7	1,087.8	1,079.9	7.86	138.390	
760.0	760.0	797.8	797.7	4.9	3.2	-118.04	-510.7	-958.9	1,086.7	1,078.7	7.93	137.037	
800.0	800.0	840.0	839.8	4.9	3.2	-118.03	-510.0	-958.2	1,085.8	1,077.8	7.98	136.070	
855.0	855.0	897.9	897.7	5.0	3.2	-118.01	-509.2	-957.1	1,084.5	1,076.5	8.05	134.738	
900.0	900.0	944.8	944.6	5.0	3.2	-118.01	-508.6	-956.1	1,083.3	1,075.2	8.11	133.613	
950.0	950.0	996.8	996.6	5.1	3.3	-118.02	-508.0	-954.8	1,082.0	1,073.8	8.17	132.362	
1,000.0	1,000.0	1,045.6	1,045.4	5.1	3.3	-118.03	-507.6	-953.4	1,080.5	1,072.3	8.24	131.115	
1,045.0	1,045.0	1,089.4	1,089.2	5.1	3.3	-118.05	-507.3	-952.2	1,079.3	1,071.0	8.30	130.014	
1,100.0	1,100.0	1,146.5	1,146.3	5.2	3.3	-118.07	-507.0	-950.7	1,077.8	1,069.5	8.38	128.627	
1,140.0	1,140.0	1,188.7	1,188.4	5.2	3.4	-118.08	-506.6	-949.5	1,076.7	1,068.2	8.44	127.613	
1,200.0	1,200.0	1,243.3	1,243.0	5.3	3.4	-118.09	-506.0	-948.0	1,074.9	1,066.4	8.52	126.140	
1,235.0	1,235.0	1,274.0	1,273.7	5.3	3.4	-118.10	-505.7	-947.3	1,074.1	1,065.5	8.57	125.323	
1,300.0	1,300.0	1,334.9	1,334.5	5.4	3.5	-118.10	-505.2	-946.3	1,072.9	1,064.2	8.67	123.815	
1,330.0	1,330.0	1,364.5	1,364.1	5.4	3.5	-118.10	-505.0	-945.8	1,072.4	1,063.7	8.71	123.123	
1,400.0	1,400.0	1,435.8	1,435.5	5.5	3.5	-118.13	-504.9	-944.5	1,071.2	1,062.3	8.82	121.504	
1,425.0	1,425.0	1,462.2	1,461.9	5.5	3.5	-118.14	-504.9	-943.9	1,070.7	1,061.8	8.85	120.929	
1,500.0	1,500.0	1,541.4	1,541.0	5.6	3.6	-118.20	-505.0	-941.9	1,069.0	1,060.1	8.97	119.202	
1,520.0	1,520.0	1,562.5	1,562.1	5.6	3.6	155.99	-505.1	-941.3	1,068.6	1,059.6	9.01	118.582	
1,579.4	1,579.4	1,622.5	1,622.1	5.7	3.6	155.95	-505.4	-939.3	1,068.0	1,058.9	9.14	116.823	CC, ES
1,600.0	1,600.0	1,641.8	1,641.4	5.7	3.6	155.94	-505.5	-938.7	1,068.1	1,058.9	9.19	116.256	
1,615.0	1,615.0	1,655.9	1,655.4	5.7	3.7	155.94	-505.6	-938.3	1,068.3	1,059.0	9.23	115.745	
1,700.0	1,699.8	1,741.6	1,741.1	5.8	3.7	155.93	-506.3	-935.8	1,070.6	1,061.2	9.48	112.972	
1,710.0	1,709.8	1,752.6	1,752.1	5.8	3.7	155.93	-506.3	-935.5	1,071.1	1,061.5	9.51	112.652	
1,800.0	1,799.5	1,844.2	1,843.6	6.0	3.8	155.96	-506.8	-932.4	1,075.9	1,066.1	9.78	109.956	
1,805.0	1,804.4	1,848.9	1,848.3	6.0	3.8	155.97	-506.9	-932.2	1,076.3	1,066.5	9.80	109.857	
1,875.0	1,873.9	1,914.4	1,913.8	6.2	3.8	156.00	-507.5	-930.0	1,082.1	1,072.2	9.97	108.582	
1,900.0	1,898.7	1,937.0	1,936.4	6.2	3.8	156.04	-507.7	-929.4	1,084.6	1,074.6	10.01	108.379	
1,995.0	1,992.9	2,023.2	2,022.6	6.4	3.9	156.20	-508.5	-927.4	1,094.4	1,084.1	10.26	106.671	
2,000.0	1,997.9	2,027.9	2,027.2	6.4	3.9	156.20	-508.5	-927.3	1,094.9	1,084.6	10.27	106.588	
2,090.0	2,087.1	2,111.6	2,110.9	6.6	4.0	156.35	-509.6	-925.8	1,104.8	1,094.3	10.52	105.009	
2,100.0	2,097.0	2,121.3	2,120.7	6.6	4.0	156.37	-509.7	-925.7	1,105.9	1,095.4	10.55	104.837	
2,185.0	2,181.3	2,205.3	2,204.7	6.9	4.0	156.54	-510.4	-924.7	1,115.6	1,104.8	10.80	103.278	
2,200.0	2,196.1	2,223.6	2,223.0	6.9	4.0	156.58	-510.4	-924.5	1,117.2	1,106.4	10.85	102.952	
2,280.0	2,275.5	2,317.9	2,317.3	7.1	4.1	156.76	-510.9	-922.3	1,125.4	1,114.3	11.13	101.112	
2,300.0	2,295.3	2,338.4	2,337.7	7.2	4.1	156.80	-511.0	-921.7	1,127.3	1,116.1	11.20	100.657	
2,375.0	2,369.7	2,411.8	2,411.1	7.4	4.2	156.93	-511.2	-919.6	1,134.5	1,123.1	11.46	98.969	
2,400.0	2,394.4	2,431.7	2,430.9	7.4	4.2	156.96	-511.3	-919.1	1,137.0	1,125.5	11.54	98.493	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE C ALLOCATION #407H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7591-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,470.0	2,463.8	2,487.2	2,486.4	7.7	4.3	157.07	-511.7	-918.2	1,144.6	1,132.8	11.78	97.199	
2,500.0	2,493.6	2,512.7	2,512.0	7.7	4.3	157.12	-511.9	-917.9	1,148.1	1,136.2	11.87	96.714	
2,565.0	2,558.0	2,572.8	2,572.1	7.9	4.3	157.23	-512.5	-917.6	1,155.9	1,143.8	12.07	95.753	
2,600.0	2,592.7	2,605.3	2,604.5	8.1	4.3	157.30	-512.9	-917.5	1,160.2	1,148.0	12.18	95.263	
2,660.0	2,652.2	2,662.2	2,661.4	8.2	4.3	157.42	-513.4	-917.5	1,167.7	1,155.3	12.35	94.559	
2,700.0	2,691.9	2,700.0	2,699.3	8.4	4.3	157.50	-513.7	-917.6	1,172.8	1,160.3	12.46	94.092	
2,755.0	2,746.4	2,754.8	2,754.0	8.6	4.3	157.62	-514.2	-917.8	1,179.8	1,167.2	12.62	93.503	
2,800.0	2,791.0	2,799.5	2,798.8	8.7	4.3	157.71	-514.6	-917.9	1,185.5	1,172.8	12.75	93.013	
2,850.0	2,840.6	2,848.5	2,847.8	8.9	4.3	157.81	-515.0	-918.1	1,191.9	1,179.0	12.89	92.470	
2,900.0	2,890.2	2,897.5	2,896.8	9.0	4.3	157.92	-515.4	-918.3	1,198.3	1,185.3	13.04	91.919	
2,945.0	2,934.8	2,941.1	2,940.3	9.2	4.3	158.01	-515.7	-918.5	1,204.1	1,191.0	13.17	91.443	
3,000.0	2,989.3	2,994.2	2,993.5	9.4	4.3	158.13	-516.1	-918.9	1,211.3	1,197.9	13.33	90.854	
3,040.0	3,029.0	3,033.2	3,032.4	9.5	4.3	158.21	-516.4	-919.2	1,216.5	1,203.1	13.45	90.464	
3,100.0	3,088.5	3,091.7	3,091.0	9.7	4.3	158.33	-516.8	-919.6	1,224.4	1,210.8	13.63	89.799	
3,135.0	3,123.2	3,127.6	3,126.8	9.9	4.2	158.41	-517.1	-919.9	1,229.0	1,215.3	13.75	89.401	
3,200.0	3,187.6	3,195.3	3,194.5	10.1	4.2	158.56	-517.4	-920.4	1,237.5	1,223.5	13.95	88.688	
3,230.0	3,217.3	3,224.1	3,223.4	10.2	4.2	158.62	-517.5	-920.6	1,241.3	1,227.3	14.05	88.353	
3,300.0	3,286.7	3,290.5	3,289.7	10.5	4.2	158.77	-517.8	-921.1	1,250.5	1,236.2	14.28	87.590	
3,325.0	3,311.5	3,315.8	3,315.0	10.5	4.2	158.82	-517.9	-921.3	1,253.8	1,239.4	14.36	87.308	
3,400.0	3,385.9	3,395.1	3,394.3	10.8	4.2	158.99	-518.1	-921.9	1,263.5	1,248.9	14.62	86.434	
3,420.0	3,405.7	3,415.2	3,414.4	10.9	4.2	159.04	-518.1	-922.0	1,266.0	1,251.3	14.69	86.190	
3,500.0	3,485.0	3,494.3	3,493.5	11.2	4.2	159.22	-518.0	-922.6	1,276.2	1,261.3	14.98	85.222	
3,515.0	3,499.9	3,508.8	3,508.0	11.3	4.2	159.26	-517.9	-922.7	1,278.2	1,263.1	15.03	85.039	
3,600.0	3,584.2	3,589.9	3,589.2	11.6	4.2	159.45	-517.6	-923.4	1,289.1	1,273.8	15.34	84.023	
3,610.0	3,594.1	3,600.0	3,599.2	11.6	4.2	159.48	-517.6	-923.6	1,290.4	1,275.1	15.38	83.904	
3,700.0	3,683.3	3,692.1	3,691.3	11.9	4.2	159.69	-517.2	-924.4	1,302.1	1,286.4	15.72	82.819	
3,705.0	3,688.3	3,697.3	3,696.5	12.0	4.2	159.71	-517.2	-924.5	1,302.8	1,287.0	15.74	82.760	
3,800.0	3,782.5	3,790.8	3,790.0	12.3	4.2	159.93	-516.7	-925.3	1,315.0	1,298.8	16.11	81.624	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7056-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	4.2	3.0	142.07	-632.7	493.1	802.4				
95.0	95.0	69.2	69.2	4.3	3.0	142.05	-632.8	493.5	802.5	795.3	7.26	110.540	
100.0	100.0	73.7	73.7	4.3	3.0	142.05	-632.9	493.5	802.6	795.3	7.26	110.507	
190.0	190.0	159.7	159.7	4.3	3.0	142.01	-633.4	494.7	803.8	796.4	7.34	109.463	
200.0	200.0	169.6	169.5	4.4	3.0	142.01	-633.5	494.8	803.9	796.6	7.36	109.293	
285.0	285.0	256.3	256.3	4.4	3.0	141.97	-634.2	496.0	805.2	797.7	7.44	108.234	
300.0	300.0	271.9	271.9	4.4	3.0	141.96	-634.2	496.2	805.4	797.9	7.46	108.010	
380.0	380.0	352.6	352.5	4.5	3.0	141.90	-634.4	497.4	806.2	798.7	7.54	106.941	
400.0	400.0	372.4	372.3	4.5	3.0	141.89	-634.5	497.7	806.5	798.9	7.56	106.652	
475.0	475.0	448.8	448.7	4.6	3.1	141.83	-634.7	498.8	807.3	799.7	7.64	105.636	
500.0	500.0	474.7	474.6	4.6	3.1	141.81	-634.7	499.2	807.5	799.9	7.67	105.270	
570.0	570.0	546.1	546.1	4.7	3.1	141.75	-634.5	500.3	808.1	800.3	7.75	104.309	
600.0	600.0	576.5	576.4	4.7	3.1	141.72	-634.4	500.8	808.3	800.5	7.78	103.883	
665.0	665.0	642.0	641.9	4.8	3.1	141.65	-634.2	501.7	808.7	800.8	7.85	103.005	
700.0	700.0	677.2	677.1	4.8	3.1	141.61	-634.0	502.3	808.9	801.0	7.89	102.518	
760.0	760.0	739.5	739.4	4.9	3.2	141.55	-633.7	503.1	809.1	801.2	7.95	101.736	
800.0	800.0	781.9	781.8	4.9	3.2	141.51	-633.4	503.6	809.2	801.2	8.00	101.194	
855.0	855.0	838.1	838.0	5.0	3.2	141.46	-632.8	504.2	809.1	801.1	8.05	100.530	
900.0	900.0	883.4	883.3	5.0	3.2	141.41	-632.4	504.6	809.0	800.9	8.10	99.914	
950.0	950.0	935.6	935.5	5.1	3.2	141.37	-631.9	504.9	808.9	800.7	8.14	99.327	
1,000.0	1,000.0	988.6	988.5	5.1	3.3	141.34	-631.4	505.0	808.5	800.3	8.19	98.751	
1,045.0	1,045.0	1,034.4	1,034.3	5.1	3.3	141.33	-630.9	505.0	808.1	799.9	8.23	98.243	
1,100.0	1,100.0	1,089.4	1,089.3	5.2	3.3	141.30	-630.3	504.9	807.6	799.3	8.27	97.623	
1,140.0	1,140.0	1,132.3	1,132.2	5.2	3.3	141.29	-629.8	504.7	807.1	798.8	8.31	97.164	
1,200.0	1,200.0	1,198.1	1,197.9	5.3	3.3	141.29	-628.9	504.1	806.1	797.8	8.36	96.421	
1,235.0	1,235.0	1,234.0	1,233.8	5.3	3.3	141.30	-628.4	503.5	805.4	797.0	8.39	95.953	
1,300.0	1,300.0	1,300.4	1,300.3	5.4	3.3	141.35	-627.7	502.0	804.0	795.5	8.46	95.063	
1,330.0	1,330.0	1,329.1	1,328.9	5.4	3.3	141.38	-627.5	501.3	803.3	794.8	8.49	94.636	
1,400.0	1,400.0	1,396.1	1,395.9	5.5	3.3	141.48	-627.3	499.4	801.9	793.4	8.56	93.662	
1,425.0	1,425.0	1,420.2	1,420.0	5.5	3.3	141.52	-627.3	498.7	801.5	792.9	8.59	93.317	
1,500.0	1,500.0	1,492.9	1,492.7	5.6	3.3	141.65	-627.6	496.5	800.3	791.7	8.67	92.298	
1,520.0	1,520.0	1,512.7	1,512.5	5.6	3.3	55.90	-627.7	495.9	800.0	791.3	8.70	91.982	
1,600.0	1,600.0	1,592.5	1,592.2	5.7	3.3	56.19	-628.2	493.6	798.0	789.2	8.80	90.674	
1,615.0	1,615.0	1,608.3	1,608.0	5.7	3.3	56.26	-628.3	493.1	797.5	788.7	8.83	90.327	
1,700.0	1,699.8	1,702.5	1,702.1	5.8	3.3	56.85	-628.5	489.7	793.2	784.2	8.99	88.214	
1,710.0	1,709.8	1,711.7	1,711.3	5.8	3.3	56.92	-628.5	489.3	792.5	783.5	9.01	87.951	
1,800.0	1,799.5	1,797.1	1,796.7	6.0	3.3	57.66	-628.4	486.3	786.2	777.0	9.19	85.575	
1,805.0	1,804.4	1,800.0	1,799.6	6.0	3.3	57.69	-628.4	486.2	785.8	776.6	9.19	85.469	
1,875.0	1,873.9	1,866.4	1,866.0	6.2	3.3	58.39	-628.4	484.3	780.2	770.9	9.30	83.918	
1,900.0	1,898.7	1,889.5	1,889.1	6.2	3.3	58.61	-628.4	483.8	778.2	768.9	9.32	83.513	
1,995.0	1,992.9	1,986.0	1,985.5	6.4	3.3	59.52	-628.4	481.9	770.6	761.1	9.50	81.162	
2,000.0	1,997.9	1,991.1	1,990.7	6.4	3.3	59.57	-628.4	481.8	770.2	760.7	9.50	81.038	
2,090.0	2,087.1	2,078.8	2,078.3	6.6	3.4	60.41	-628.0	480.1	763.1	753.4	9.68	78.842	
2,100.0	2,097.0	2,088.5	2,088.0	6.6	3.4	60.50	-628.0	479.9	762.3	752.6	9.70	78.603	
2,185.0	2,181.3	2,173.3	2,172.8	6.9	3.4	61.32	-627.8	478.3	755.8	745.9	9.87	76.599	
2,200.0	2,196.1	2,188.4	2,187.9	6.9	3.4	61.47	-627.8	478.0	754.7	744.8	9.90	76.251	
2,280.0	2,275.5	2,265.3	2,264.8	7.1	3.4	62.21	-627.4	476.8	748.7	738.7	10.06	74.431	
2,300.0	2,295.3	2,284.5	2,284.0	7.2	3.5	62.40	-627.4	476.5	747.3	737.2	10.10	73.990	
2,375.0	2,369.7	2,354.5	2,354.0	7.4	3.5	63.06	-627.2	475.8	742.3	732.0	10.25	72.439	
2,400.0	2,394.4	2,377.7	2,377.2	7.4	3.5	63.28	-627.3	475.7	740.7	730.4	10.30	71.949	
2,470.0	2,463.8	2,445.0	2,444.5	7.7	3.5	63.93	-627.5	475.3	736.7	726.2	10.42	70.669	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7056-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,493.6	2,474.4	2,473.9	7.7	3.5	64.22	-627.7	475.1	735.0	724.5	10.48	70.148	
2,565.0	2,558.0	2,537.9	2,537.4	7.9	3.6	64.85	-628.1	474.6	731.5	720.9	10.59	69.063	
2,600.0	2,592.7	2,572.0	2,571.5	8.1	3.6	65.20	-628.4	474.4	729.6	719.0	10.65	68.502	
2,660.0	2,652.2	2,631.2	2,630.7	8.2	3.6	65.80	-628.9	474.0	726.6	715.9	10.75	67.568	
2,700.0	2,691.9	2,671.0	2,670.4	8.4	3.6	66.21	-629.3	473.6	724.7	713.8	10.82	66.963	
2,755.0	2,746.4	2,725.7	2,725.2	8.6	3.7	66.80	-629.9	473.0	722.0	711.1	10.91	66.149	
2,800.0	2,791.0	2,770.6	2,770.1	8.7	3.7	67.27	-630.3	472.5	719.9	708.9	10.99	65.495	
2,850.0	2,840.6	2,820.4	2,819.8	8.9	3.7	67.80	-630.8	472.0	717.5	706.4	11.08	64.786	
2,900.0	2,890.2	2,869.8	2,869.3	9.0	3.7	68.33	-631.2	471.5	715.2	704.1	11.16	64.097	
2,945.0	2,934.8	2,914.0	2,913.5	9.2	3.8	68.81	-631.6	471.1	713.2	702.0	11.23	63.498	
3,000.0	2,989.3	2,967.1	2,966.6	9.4	3.8	69.39	-632.1	470.5	710.9	699.6	11.32	62.798	
3,040.0	3,029.0	3,006.3	3,005.8	9.5	3.8	69.82	-632.6	470.1	709.4	698.0	11.39	62.301	
3,100.0	3,088.5	3,069.8	3,069.2	9.7	3.9	70.52	-633.2	469.5	706.9	695.5	11.49	61.545	
3,135.0	3,123.2	3,106.0	3,105.4	9.9	3.9	70.91	-633.3	469.2	705.4	693.9	11.54	61.122	
3,200.0	3,187.6	3,166.9	3,166.3	10.1	4.0	71.57	-633.6	468.7	702.8	691.1	11.64	60.349	
3,230.0	3,217.3	3,195.0	3,194.4	10.2	4.0	71.87	-633.8	468.6	701.7	690.0	11.69	60.015	
3,300.0	3,286.7	3,264.3	3,263.7	10.5	4.0	72.61	-634.4	468.3	699.4	687.6	11.80	59.273	
3,325.0	3,311.5	3,289.2	3,288.6	10.5	4.0	72.88	-634.7	468.2	698.5	686.7	11.84	59.017	
3,400.0	3,385.9	3,364.6	3,364.0	10.8	4.1	73.69	-635.2	468.0	696.1	684.2	11.95	58.251	
3,420.0	3,405.7	3,384.7	3,384.1	10.9	4.1	73.91	-635.4	467.9	695.5	683.5	11.98	58.051	
3,500.0	3,485.0	3,465.9	3,465.3	11.2	4.2	74.79	-635.8	467.6	692.9	680.8	12.10	57.248	
3,515.0	3,499.9	3,481.1	3,480.5	11.3	4.2	74.95	-635.8	467.5	692.4	680.3	12.13	57.099	
3,600.0	3,584.2	3,568.1	3,567.5	11.6	4.3	75.90	-635.9	467.1	689.6	677.3	12.26	56.254	
3,610.0	3,594.1	3,578.3	3,577.7	11.6	4.3	76.01	-635.9	467.0	689.2	677.0	12.27	56.156	
3,700.0	3,683.3	3,668.2	3,667.6	11.9	4.4	77.03	-635.8	466.2	686.1	673.7	12.41	55.285	
3,705.0	3,688.3	3,673.1	3,672.5	12.0	4.4	77.08	-635.8	466.1	686.0	673.6	12.42	55.238	
3,800.0	3,782.5	3,765.6	3,765.0	12.3	4.5	78.12	-635.7	465.4	683.0	670.4	12.56	54.372	
3,895.0	3,876.6	3,859.5	3,858.9	12.7	4.6	79.15	-635.7	465.2	680.5	667.8	12.70	53.563	
3,900.0	3,881.6	3,864.5	3,863.9	12.7	4.6	79.21	-635.7	465.2	680.4	667.6	12.71	53.521	
3,990.0	3,970.8	3,954.9	3,954.3	13.1	4.7	80.22	-635.7	464.8	678.1	665.2	12.85	52.783	
4,000.0	3,980.8	3,965.0	3,964.4	13.1	4.7	80.33	-635.7	464.7	677.8	665.0	12.86	52.703	
4,085.0	4,065.0	4,049.2	4,048.7	13.4	4.8	81.30	-635.5	464.1	675.7	662.8	12.99	52.030	
4,100.0	4,079.9	4,064.0	4,063.4	13.5	4.8	81.47	-635.5	464.0	675.4	662.4	13.01	51.915	
4,180.0	4,159.2	4,143.1	4,142.5	13.8	4.9	82.39	-635.4	463.4	673.7	660.6	13.13	51.317	
4,200.0	4,179.0	4,163.1	4,162.5	13.9	4.9	82.62	-635.4	463.2	673.3	660.2	13.16	51.170	
4,275.0	4,253.4	4,237.3	4,236.7	14.2	5.0	83.49	-635.3	462.5	671.9	658.7	13.27	50.631	
4,300.0	4,278.2	4,261.8	4,261.2	14.3	5.0	83.78	-635.3	462.3	671.5	658.2	13.31	50.456	
4,370.0	4,347.6	4,330.0	4,329.4	14.6	5.1	84.59	-635.3	461.7	670.5	657.1	13.41	49.981	
4,400.0	4,377.3	4,359.0	4,358.4	14.7	5.1	84.94	-635.4	461.4	670.1	656.7	13.46	49.785	
4,465.0	4,441.8	4,422.5	4,421.9	14.9	5.2	85.69	-635.6	460.9	669.5	656.0	13.56	49.373	
4,500.0	4,476.5	4,457.4	4,456.8	15.1	5.2	86.10	-635.7	460.6	669.3	655.7	13.62	49.154	
4,560.0	4,536.0	4,517.2	4,516.6	15.3	5.3	86.81	-635.9	460.2	668.9	655.2	13.71	48.778	
4,600.0	4,575.6	4,556.7	4,556.1	15.5	5.3	87.28	-635.9	459.9	668.7	654.9	13.78	48.529	
4,653.0	4,628.2	4,609.1	4,608.5	15.7	5.4	87.89	-636.1	459.6	668.5	654.6	13.85	48.281	
4,655.0	4,630.1	4,611.1	4,610.5	15.7	5.4	87.91	-636.1	459.6	668.5	654.6	13.85	48.272	
4,700.0	4,674.8	4,655.6	4,654.9	15.8	5.5	88.41	-636.2	459.4	668.4	654.5	13.90	48.068	
4,738.6	4,713.1	4,693.7	4,693.1	16.0	5.5	88.81	-636.3	459.2	668.4	654.4	13.97	47.835	CC
4,750.0	4,724.4	4,704.9	4,704.3	16.0	5.5	88.93	-636.3	459.2	668.4	654.4	13.99	47.766	ES
4,800.0	4,774.1	4,753.3	4,752.7	16.2	5.6	89.40	-636.5	459.0	668.5	654.4	14.08	47.468	
4,845.0	4,818.9	4,796.9	4,796.3	16.4	5.6	89.80	-636.8	458.7	668.7	654.5	14.16	47.212	
4,900.0	4,873.7	4,850.2	4,849.6	16.6	5.7	90.26	-637.2	458.4	669.1	654.8	14.27	46.903	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7056-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,913.5	4,889.0	4,888.3	16.8	5.7	90.57	-637.6	458.1	669.5	655.2	14.34	46.690	
5,000.0	4,973.4	4,948.4	4,947.7	17.0	5.8	91.01	-638.2	457.5	670.2	655.7	14.45	46.371	
5,035.0	5,008.3	4,983.2	4,982.6	17.1	5.8	91.25	-638.6	457.2	670.6	656.1	14.52	46.190	
5,100.0	5,073.2	5,047.2	5,046.5	17.3	5.9	91.64	-639.4	456.5	671.5	656.8	14.64	45.861	
5,130.0	5,103.1	5,076.6	5,076.0	17.4	5.9	91.80	-639.8	456.1	671.9	657.2	14.70	45.717	
5,200.0	5,173.1	5,145.4	5,144.8	17.6	6.0	92.15	-640.8	455.0	673.0	658.1	14.83	45.384	
5,225.0	5,198.1	5,170.1	5,169.4	17.7	6.0	92.25	-641.2	454.8	673.4	658.5	14.87	45.272	
5,300.0	5,273.0	5,245.5	5,244.9	17.9	6.1	92.48	-642.3	454.1	674.6	659.6	15.01	44.935	
5,320.0	5,293.0	5,265.9	5,265.2	18.0	6.2	92.53	-642.6	453.9	674.9	659.8	15.05	44.849	
5,403.0	5,376.0	5,346.0	5,345.3	18.1	6.2	178.47	-643.8	453.0	676.1	660.9	15.19	44.509	
5,415.0	5,388.0	5,357.2	5,356.5	18.1	6.2	178.48	-644.1	452.9	676.4	661.2	15.21	44.471	
5,500.0	5,473.0	5,442.5	5,441.8	18.1	6.3	178.52	-645.9	452.5	678.2	662.9	15.34	44.200	
5,510.0	5,483.0	5,453.4	5,452.7	18.1	6.3	178.52	-646.1	452.4	678.4	663.0	15.36	44.163	
5,600.0	5,573.0	5,545.2	5,544.4	18.2	6.4	178.57	-647.4	451.9	679.6	664.1	15.51	43.814	
5,605.0	5,578.0	5,549.9	5,549.2	18.2	6.4	178.57	-647.5	451.9	679.7	664.2	15.52	43.796	
5,700.0	5,673.0	5,645.0	5,644.2	18.2	6.5	178.60	-649.1	451.6	681.3	665.7	15.68	43.452	
5,795.0	5,768.0	5,742.3	5,741.6	18.3	6.6	178.58	-650.3	451.9	682.5	666.7	15.84	43.076	
5,800.0	5,773.0	5,747.2	5,746.5	18.3	6.6	178.57	-650.4	451.9	682.6	666.7	15.85	43.057	
5,890.0	5,863.0	5,835.6	5,834.8	18.3	6.6	178.55	-651.5	452.3	683.7	667.7	16.01	42.718	
5,900.0	5,873.0	5,845.4	5,844.6	18.3	6.6	178.55	-651.7	452.3	683.9	667.9	16.02	42.681	
5,985.0	5,958.0	5,929.2	5,928.4	18.3	6.7	178.57	-653.0	452.1	685.2	669.1	16.17	42.370	
6,000.0	5,973.0	5,944.1	5,943.4	18.3	6.7	178.57	-653.2	452.0	685.5	669.3	16.20	42.315	
6,080.0	6,053.0	6,023.3	6,022.5	18.4	6.8	178.59	-654.6	451.8	686.8	670.5	16.34	42.026	
6,100.0	6,073.0	6,042.7	6,041.9	18.4	6.8	178.60	-654.9	451.7	687.2	670.8	16.38	41.956	
6,175.0	6,148.0	6,115.8	6,115.0	18.4	6.9	178.62	-656.4	451.6	688.7	672.2	16.51	41.703	
6,200.0	6,173.0	6,140.7	6,139.9	18.4	6.9	178.63	-656.9	451.5	689.2	672.7	16.56	41.619	
6,270.0	6,243.0	6,210.0	6,209.2	18.5	7.0	178.66	-658.4	451.1	690.7	674.0	16.69	41.388	
6,300.0	6,273.0	6,238.7	6,237.9	18.5	7.0	178.68	-659.1	450.9	691.4	674.7	16.74	41.294	
6,365.0	6,338.0	6,300.0	6,299.1	18.5	7.1	178.71	-660.7	450.5	693.1	676.3	16.86	41.103	
6,400.0	6,373.0	6,335.0	6,334.1	18.5	7.2	178.74	-661.7	450.2	694.1	677.2	16.93	41.004	
6,460.0	6,433.0	6,393.2	6,392.3	18.5	7.2	178.81	-663.5	449.4	696.0	679.0	17.04	40.841	
6,500.0	6,473.0	6,436.1	6,435.1	18.6	7.3	178.88	-664.9	448.6	697.2	680.1	17.12	40.734	
6,555.0	6,528.0	6,496.2	6,495.3	18.6	7.4	178.99	-666.4	447.2	698.6	681.3	17.22	40.563	
6,600.0	6,573.0	6,543.7	6,542.7	18.6	7.4	179.10	-667.3	445.9	699.4	682.1	17.30	40.426	
6,650.0	6,623.0	6,596.2	6,595.1	18.6	7.5	179.25	-668.1	444.1	700.2	682.8	17.39	40.264	
6,700.0	6,673.0	6,647.3	6,646.3	18.7	7.6	179.40	-668.8	442.3	700.8	683.3	17.47	40.106	
6,745.0	6,718.0	6,693.3	6,692.2	18.7	7.6	179.54	-669.3	440.6	701.3	683.8	17.55	39.963	
6,800.0	6,773.0	6,750.2	6,749.1	18.7	7.7	179.71	-669.8	438.5	701.8	684.2	17.64	39.787	
6,840.0	6,813.0	6,791.8	6,790.6	18.7	7.8	179.84	-670.1	436.9	702.1	684.4	17.71	39.654	
6,900.0	6,873.0	6,855.1	6,853.9	18.7	7.8	-179.96	-670.4	434.5	702.3	684.5	17.80	39.453	
6,935.0	6,908.0	6,892.2	6,891.0	18.8	7.9	-179.85	-670.3	433.1	702.3	684.4	17.86	39.328	
7,000.0	6,973.0	6,960.2	6,958.9	18.8	8.0	-179.61	-670.0	430.2	702.0	684.1	17.96	39.095	
7,030.0	7,003.0	6,991.6	6,990.2	18.8	8.0	-179.48	-669.8	428.6	701.8	683.8	18.00	38.981	
7,100.0	7,073.0	7,057.0	7,055.5	18.8	8.1	-179.23	-669.5	425.5	701.5	683.4	18.09	38.777	
7,125.0	7,098.0	7,082.5	7,081.1	18.8	8.1	-179.14	-669.4	424.4	701.5	683.3	18.13	38.698	
7,200.0	7,173.0	7,155.0	7,153.5	18.9	8.1	-178.92	-669.2	421.7	701.2	683.0	18.23	38.466	
7,213.9	7,186.9	7,170.0	7,168.5	18.9	8.1	-178.88	-669.1	421.2	701.2	682.9	18.25	38.418	
7,213.9	7,186.9	7,170.0	7,168.5	18.9	8.1	-178.88	-669.1	421.2	701.2	682.9	18.25	38.418	
7,220.0	7,193.0	7,175.1	7,173.6	18.9	8.1	-178.87	-669.1	421.1	701.2	682.9	18.26	38.401	
7,300.0	7,273.0	7,242.1	7,240.5	18.9	8.3	-178.81	-669.8	420.4	702.1	683.7	18.36	38.230	
7,315.0	7,288.0	7,255.2	7,253.6	18.9	8.3	-178.82	-670.1	420.5	702.4	684.0	18.39	38.199	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: PEACEKEEPER - WETHERBEE D ALLOCATION #406H - OWB - AWP

Offset Site Error: 0.0 usft

Survey Program: 100- VES GyroFlex, 7056-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,373.0	7,337.5	7,335.9	19.0	8.5	-178.89	-672.2	421.3	704.5	685.9	18.58	37.913	
7,410.0	7,383.0	7,346.0	7,344.4	19.0	8.5	-178.90	-672.4	421.4	704.7	686.1	18.60	37.883	
7,500.0	7,473.0	7,434.5	7,432.8	19.0	8.6	-178.99	-675.0	422.4	707.3	688.6	18.76	37.701	
7,505.0	7,478.0	7,439.3	7,437.7	19.0	8.6	-178.99	-675.1	422.5	707.5	688.7	18.77	37.692	
7,600.0	7,573.0	7,527.8	7,526.1	19.1	8.7	-179.07	-678.3	423.4	710.9	691.9	18.95	37.518	
7,695.0	7,668.0	7,567.0	7,565.2	19.1	8.7	-179.11	-680.7	423.8	717.7	698.5	19.18	37.422	
7,700.0	7,673.0	7,567.0	7,565.2	19.1	8.7	-179.11	-680.7	423.8	718.3	699.1	19.19	37.422	
7,790.0	7,763.0	7,599.0	7,597.0	19.2	8.8	-179.15	-684.8	424.3	731.9	712.3	19.62	37.307	
7,800.0	7,773.0	7,611.2	7,609.0	19.2	8.8	-179.16	-687.1	424.4	733.7	714.0	19.70	37.245 SF	
7,885.0	7,858.0	7,641.2	7,638.1	19.2	8.9	-179.21	-694.1	424.9	753.5	733.3	20.20	37.302	
7,900.0	7,873.0	7,646.5	7,643.2	19.2	8.9	-179.23	-695.5	425.1	757.6	737.4	20.29	37.336	
7,980.0	7,953.0	7,676.1	7,671.3	19.2	9.0	-179.34	-704.7	426.4	782.4	761.6	20.78	37.654	
8,000.0	7,973.0	7,684.2	7,678.9	19.3	9.0	-179.37	-707.5	426.8	789.2	768.3	20.90	37.769	
8,075.0	8,048.0	7,712.7	7,705.3	19.3	9.1	-179.51	-718.1	428.5	817.2	795.9	21.33	38.314	
8,100.0	8,073.0	7,725.0	7,716.5	19.3	9.1	-179.57	-723.1	429.2	827.3	805.9	21.46	38.545	
8,170.0	8,143.0	7,757.0	7,745.2	19.3	9.2	-179.71	-737.2	431.0	857.7	835.8	21.84	39.262	
8,200.0	8,173.0	7,757.0	7,745.2	19.4	9.2	-179.71	-737.2	431.0	871.4	849.3	22.05	39.509	
8,265.0	8,238.0	7,789.0	7,773.2	19.4	9.3	-179.84	-752.6	432.7	902.7	880.3	22.38	40.330	
8,300.0	8,273.0	7,799.6	7,782.3	19.4	9.3	-179.88	-758.0	433.3	920.4	897.8	22.58	40.757	
8,360.0	8,333.0	7,820.0	7,799.6	19.4	9.4	-179.96	-768.7	434.3	952.0	929.1	22.91	41.547	
8,400.0	8,373.0	7,837.9	7,814.6	19.5	9.4	179.98	-778.4	435.2	973.8	950.7	23.11	42.137	
8,455.0	8,428.0	7,852.0	7,826.3	19.5	9.5	179.94	-786.4	435.8	1,005.0	981.5	23.43	42.895	
8,500.0	8,473.0	7,871.1	7,841.8	19.5	9.5	179.89	-797.5	436.5	1,031.3	1,007.6	23.66	43.592	
8,550.0	8,523.0	7,884.0	7,852.1	19.5	9.6	179.87	-805.2	436.9	1,061.5	1,037.5	23.94	44.334	
8,600.0	8,573.0	7,898.8	7,863.7	19.6	9.6	179.84	-814.5	437.3	1,092.6	1,068.4	24.23	45.099	
8,645.0	8,618.0	7,916.0	7,876.8	19.6	9.7	179.79	-825.5	438.1	1,121.5	1,097.0	24.47	45.835	
8,700.0	8,673.0	7,916.0	7,876.8	19.6	9.7	179.79	-825.5	438.1	1,157.7	1,132.9	24.82	46.646	
8,740.0	8,713.0	7,935.7	7,891.4	19.6	9.8	179.71	-838.6	439.3	1,184.5	1,159.5	25.01	47.363	
8,800.0	8,773.0	7,947.0	7,899.7	19.6	9.8	179.67	-846.3	440.0	1,225.7	1,200.4	25.34	48.364	
8,835.0	8,808.0	7,962.7	7,910.9	19.7	9.9	179.59	-857.2	441.2	1,250.1	1,224.6	25.50	49.025	
8,900.0	8,873.0	7,979.0	7,922.4	19.7	10.0	179.51	-868.8	442.6	1,296.3	1,270.5	25.83	50.185	
8,930.0	8,903.0	7,979.0	7,922.4	19.7	10.0	179.51	-868.8	442.6	1,318.1	1,292.0	26.00	50.685	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
17,000.0	10,395.9	13,995.0	9,270.3	56.1	83.7	-4.45	7,563.0	303.2	1,268.5	1,184.7	83.78	15.141	
17,005.0	10,395.9	13,995.0	9,270.3	56.1	83.7	-4.45	7,563.0	303.2	1,265.6	1,181.7	83.96	15.075	
17,100.0	10,396.2	13,995.0	9,270.3	56.8	83.7	-4.45	7,563.0	303.2	1,214.4	1,126.9	87.45	13.886	
17,195.0	10,396.6	13,995.0	9,270.3	57.5	83.7	-4.45	7,563.0	303.2	1,168.5	1,077.6	90.95	12.848	
17,200.0	10,396.6	13,995.0	9,270.3	57.5	83.7	-4.45	7,563.0	303.2	1,166.3	1,075.2	91.13	12.798	
17,290.0	10,397.0	13,995.0	9,270.3	58.1	83.7	-4.45	7,563.0	303.2	1,128.9	1,034.5	94.35	11.965	
17,300.0	10,397.0	13,995.0	9,270.3	58.2	83.7	-4.45	7,563.0	303.2	1,125.1	1,030.4	94.70	11.881	
17,385.0	10,397.3	13,995.0	9,270.3	58.8	83.7	-4.45	7,563.0	303.2	1,096.1	998.5	97.54	11.237	
17,400.0	10,397.4	13,995.0	9,270.3	58.9	83.7	-4.45	7,563.0	303.2	1,091.6	993.5	98.01	11.137	
17,480.0	10,397.7	13,995.0	9,270.3	59.5	83.7	-4.45	7,563.0	303.2	1,070.7	970.3	100.36	10.668	
17,500.0	10,397.8	13,995.0	9,270.3	59.6	83.7	-4.45	7,563.0	303.2	1,066.3	965.4	100.90	10.568	
17,575.0	10,398.0	13,995.0	9,270.3	60.2	83.7	-4.45	7,563.0	303.2	1,053.3	950.6	102.70	10.256	
17,600.0	10,398.1	13,995.0	9,270.3	60.4	83.7	-4.45	7,563.0	303.2	1,050.1	946.9	103.21	10.174	
17,670.0	10,398.4	13,995.0	9,270.3	60.9	83.7	-4.45	7,563.0	303.2	1,044.3	939.9	104.41	10.001	
17,700.0	10,398.5	13,995.0	9,270.3	61.1	83.7	-4.45	7,563.0	303.2	1,043.2	938.4	104.82	9.953	
17,765.0	10,398.7	13,934.8	9,271.7	61.6	82.7	-4.55	7,623.1	301.0	1,042.1	937.2	104.91	9.934	
17,800.0	10,398.9	13,900.3	9,272.5	61.8	82.2	-4.61	7,657.6	299.7	1,041.6	936.7	104.93	9.927	
17,860.0	10,399.1	13,841.0	9,273.8	62.2	81.2	-4.71	7,716.9	297.6	1,040.6	935.7	104.97	9.914	
17,900.0	10,399.3	13,804.0	9,274.6	62.5	80.6	-4.77	7,753.8	296.3	1,040.0	935.0	105.02	9.903	
17,955.0	10,399.5	13,755.2	9,275.4	62.9	79.9	-4.86	7,802.5	294.5	1,039.5	934.4	105.12	9.888	
17,997.3	10,399.6	13,719.5	9,275.7	63.2	79.3	-4.92	7,838.3	293.1	1,039.3	934.1	105.22	9.878	CC
18,000.0	10,399.6	13,717.2	9,275.7	63.3	79.3	-4.92	7,840.5	293.0	1,039.3	934.1	105.22	9.878	ES
18,046.6	10,399.8	13,677.8	9,275.8	63.6	78.6	-4.99	7,879.9	291.7	1,039.5	934.2	105.32	9.870	
18,050.0	10,399.8	13,675.0	9,275.8	63.6	78.6	-4.99	7,882.7	291.6	1,039.5	934.2	105.32	9.870	
18,096.7	10,400.0	13,632.5	9,275.6	64.0	77.9	-5.04	7,925.2	290.3	1,040.1	934.7	105.39	9.869	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,800.0	10,395.1	14,116.0	10,360.1	54.6	66.4	-78.27	7,877.5	48.2	1,287.8	1,241.7	46.05	27.965	
16,815.0	10,395.2	14,116.0	10,360.1	54.7	66.4	-78.27	7,877.5	48.2	1,273.3	1,227.0	46.33	27.484	
16,900.0	10,395.5	14,116.0	10,360.1	55.3	66.4	-78.27	7,877.5	48.2	1,191.7	1,143.6	48.05	24.798	
16,910.0	10,395.5	14,116.0	10,360.1	55.4	66.4	-78.27	7,877.5	48.2	1,182.1	1,133.8	48.27	24.486	
17,000.0	10,395.9	14,116.0	10,360.1	56.1	66.4	-78.27	7,877.5	48.2	1,096.2	1,045.8	50.45	21.728	
17,005.0	10,395.9	14,116.0	10,360.1	56.1	66.4	-78.27	7,877.5	48.2	1,091.5	1,040.9	50.58	21.577	
17,100.0	10,396.2	14,116.0	10,360.1	56.8	66.4	-78.27	7,877.5	48.2	1,001.6	948.3	53.35	18.774	
17,195.0	10,396.6	14,116.0	10,360.1	57.5	66.4	-78.27	7,877.5	48.2	912.9	856.2	56.71	16.097	
17,200.0	10,396.6	14,116.0	10,360.1	57.5	66.4	-78.27	7,877.5	48.2	908.3	851.3	56.91	15.960	
17,290.0	10,397.0	14,116.0	10,360.1	58.1	66.4	-78.27	7,877.5	48.2	825.5	764.7	60.83	13.572	
17,300.0	10,397.0	14,116.0	10,360.1	58.2	66.4	-78.27	7,877.5	48.2	816.4	755.1	61.31	13.316	
17,385.0	10,397.3	14,116.0	10,360.1	58.8	66.4	-78.27	7,877.5	48.2	740.0	674.1	65.93	11.225	
17,400.0	10,397.4	14,116.0	10,360.1	58.9	66.4	-78.27	7,877.5	48.2	726.8	659.9	66.84	10.873	
17,480.0	10,397.7	14,116.0	10,360.1	59.5	66.4	-78.27	7,877.5	48.2	657.2	584.9	72.30	9.090	
17,500.0	10,397.8	14,116.0	10,360.1	59.6	66.4	-78.27	7,877.5	48.2	640.2	566.3	73.83	8.671	
17,575.0	10,398.0	14,116.0	10,360.1	60.2	66.4	-78.27	7,877.5	48.2	578.1	497.8	80.27	7.202	
17,600.0	10,398.1	14,116.0	10,360.1	60.4	66.4	-78.27	7,877.5	48.2	558.1	475.4	82.68	6.750	
17,670.0	10,398.4	14,116.0	10,360.1	60.9	66.4	-78.27	7,877.5	48.2	504.5	414.3	90.15	5.596	
17,700.0	10,398.5	14,116.0	10,360.1	61.1	66.4	-78.27	7,877.5	48.2	482.8	389.1	93.68	5.153	
17,765.0	10,398.7	14,116.0	10,360.1	61.6	66.4	-78.27	7,877.5	48.2	439.2	337.2	101.92	4.309	
17,800.0	10,398.9	14,116.0	10,360.1	61.8	66.4	-78.27	7,877.5	48.2	418.0	311.4	106.59	3.921	
17,860.0	10,399.1	14,116.0	10,360.1	62.2	66.4	-78.27	7,877.5	48.2	386.4	271.8	114.57	3.372	
17,900.0	10,399.3	14,116.0	10,360.1	62.5	66.4	-78.27	7,877.5	48.2	369.2	249.7	119.51	3.089	
17,955.0	10,399.5	14,116.0	10,360.1	62.9	66.4	-78.27	7,877.5	48.2	351.8	226.7	125.10	2.812	
18,000.0	10,399.6	14,116.0	10,360.1	63.3	66.4	-78.27	7,877.5	48.2	343.4	215.4	128.03	2.683	
18,046.6	10,399.8	14,105.1	10,359.9	63.6	66.3	-78.23	7,888.4	48.4	340.7	211.8	128.91	2.643 SF	
18,050.0	10,399.8	14,101.7	10,359.9	63.6	66.2	-78.22	7,891.8	48.5	340.7	211.8	128.87	2.644	
18,096.7	10,400.0	14,055.3	10,359.1	64.0	65.5	-78.03	7,938.2	49.2	339.9	211.4	128.44	2.646 CC, ES	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	7.2	7.2	3.0	3.0	-90.26	-1.9	-415.0	415.0				
95.0	95.0	97.2	97.2	3.0	3.0	-90.31	-2.2	-415.6	415.6	409.6	6.02	68.991	
100.0	100.0	102.0	102.0	3.0	3.0	-90.31	-2.2	-415.7	415.7	409.7	6.03	68.960	
190.0	190.0	194.5	194.4	3.1	3.0	-90.39	-2.8	-416.9	416.9	410.8	6.14	67.920	
200.0	200.0	205.5	205.5	3.2	3.0	-90.39	-2.8	-417.0	417.0	410.8	6.16	67.742	
285.0	285.0	297.1	297.0	3.3	3.0	-90.28	-2.0	-416.7	416.7	410.5	6.26	66.618	
300.0	300.0	312.3	312.2	3.3	3.0	-90.25	-1.8	-416.5	416.6	410.3	6.28	66.382	
380.0	380.0	393.3	393.3	3.4	3.0	-90.09	-0.7	-415.6	415.6	409.2	6.37	65.276	
400.0	400.0	413.4	413.4	3.4	3.0	-90.07	-0.5	-415.3	415.3	408.9	6.39	64.979	
475.0	475.0	489.8	489.8	3.5	3.0	-90.10	-0.8	-414.1	414.2	407.7	6.48	63.937	
500.0	500.0	514.6	514.5	3.5	3.0	-90.13	-0.9	-413.7	413.7	407.2	6.51	63.568	
570.0	570.0	584.0	584.0	3.6	3.0	-90.20	-1.5	-412.6	412.7	406.1	6.59	62.620	
600.0	600.0	612.8	612.7	3.6	3.0	-90.24	-1.7	-412.2	412.2	405.6	6.63	62.204	
665.0	665.0	673.6	673.5	3.7	3.0	-90.29	-2.1	-411.7	411.7	405.0	6.70	61.427	
673.6	673.6	681.2	681.2	3.7	3.0	-90.30	-2.1	-411.7	411.7	405.0	6.71	61.337	
700.0	700.0	705.1	705.1	3.8	3.0	-90.32	-2.3	-411.8	411.8	405.1	6.74	61.079	
760.0	760.0	762.1	762.0	3.8	3.0	-90.38	-2.8	-412.3	412.3	405.5	6.81	60.588	
800.0	800.0	801.4	801.3	3.9	3.0	-90.43	-3.1	-412.9	413.0	406.1	6.85	60.298	
855.0	855.0	857.6	857.5	4.0	3.1	-90.48	-3.5	-413.7	413.7	406.8	6.91	59.895	
900.0	900.0	901.7	901.6	4.0	3.1	-90.51	-3.7	-414.3	414.3	407.4	6.96	59.553	
950.0	950.0	954.4	954.3	4.1	3.1	-90.56	-4.0	-415.0	415.0	408.0	7.01	59.179	
1,000.0	1,000.0	1,026.4	1,026.2	4.1	3.1	-90.83	-6.0	-413.5	413.9	406.9	7.07	58.577	
1,045.0	1,045.0	1,091.6	1,091.2	4.2	3.1	-91.27	-9.0	-409.3	411.2	404.1	7.10	57.897	
1,100.0	1,100.0	1,153.4	1,152.5	4.3	3.1	-91.85	-13.0	-402.6	405.3	398.1	7.16	56.626	
1,140.0	1,140.0	1,192.8	1,191.6	4.3	3.1	-92.24	-15.6	-398.1	400.8	393.6	7.20	55.657	
1,200.0	1,200.0	1,252.0	1,250.3	4.4	3.1	-92.84	-19.4	-391.5	394.3	387.0	7.27	54.221	
1,235.0	1,235.0	1,285.3	1,283.3	4.4	3.1	-93.19	-21.6	-387.8	390.6	383.2	7.31	53.404	
1,300.0	1,300.0	1,350.0	1,347.5	4.5	3.2	-93.86	-25.7	-380.9	383.8	376.4	7.39	51.943	
1,330.0	1,330.0	1,379.4	1,376.7	4.5	3.2	-94.16	-27.5	-377.7	380.7	373.3	7.42	51.279	
1,400.0	1,400.0	1,460.4	1,457.0	4.6	3.2	-94.97	-32.0	-368.0	372.6	365.2	7.49	49.724	
1,425.0	1,425.0	1,485.3	1,481.6	4.6	3.2	-95.20	-33.2	-364.6	369.3	361.8	7.52	49.086	
1,500.0	1,500.0	1,559.7	1,555.2	4.7	3.3	-95.88	-36.5	-354.3	359.4	351.7	7.62	47.184	
1,520.0	1,520.0	1,578.8	1,574.2	4.7	3.3	178.15	-37.3	-351.7	356.8	349.1	7.66	46.564	
1,600.0	1,600.0	1,656.9	1,651.5	4.8	3.3	177.50	-40.2	-341.3	348.2	340.3	7.85	44.361	
1,615.0	1,615.0	1,671.5	1,666.0	4.8	3.3	177.38	-40.8	-339.4	346.9	339.0	7.90	43.925	
1,700.0	1,699.8	1,755.8	1,749.4	5.0	3.3	176.71	-43.7	-328.5	341.0	332.8	8.17	41.728	
1,710.0	1,709.8	1,765.4	1,759.0	5.0	3.4	176.63	-44.1	-327.3	340.5	332.3	8.21	41.492	
1,800.0	1,799.5	1,854.6	1,847.4	5.2	3.4	175.91	-47.3	-316.1	337.7	329.2	8.51	39.665	
1,805.0	1,804.4	1,859.4	1,852.2	5.2	3.4	175.88	-47.5	-315.5	337.6	329.1	8.53	39.595	
1,838.5	1,837.7	1,892.5	1,885.0	5.3	3.4	175.62	-48.7	-311.4	337.4	328.8	8.62	39.164	
1,875.0	1,873.9	1,929.5	1,921.7	5.4	3.4	175.35	-50.0	-306.8	337.6	328.9	8.71	38.759	
1,900.0	1,898.7	1,955.7	1,947.7	5.4	3.5	175.17	-50.8	-303.4	337.9	329.1	8.75	38.595	
1,995.0	1,992.9	2,050.0	2,041.1	5.6	3.5	174.50	-54.0	-291.3	338.6	329.6	9.04	37.451	
2,000.0	1,997.9	2,055.2	2,046.3	5.7	3.5	174.46	-54.1	-290.6	338.7	329.6	9.06	37.392	
2,090.0	2,087.1	2,142.5	2,132.9	5.9	3.6	173.89	-56.8	-279.9	340.0	330.7	9.35	36.354	
2,100.0	2,097.0	2,152.5	2,142.8	5.9	3.6	173.83	-57.1	-278.7	340.2	330.8	9.39	36.245	
2,185.0	2,181.3	2,241.7	2,231.3	6.2	3.6	173.24	-60.0	-267.9	341.6	331.9	9.67	35.313	
2,200.0	2,196.1	2,259.0	2,248.4	6.2	3.7	173.06	-60.9	-265.5	341.6	331.9	9.72	35.136	
2,280.0	2,275.5	2,344.8	2,333.0	6.4	3.7	171.94	-66.4	-252.2	340.8	330.8	10.00	34.070	
2,300.0	2,295.3	2,365.0	2,352.9	6.5	3.7	171.66	-67.8	-248.9	340.5	330.4	10.08	33.789	
2,375.0	2,369.7	2,440.1	2,426.7	6.7	3.8	170.61	-72.8	-236.4	339.1	328.7	10.36	32.739	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,394.4	2,463.8	2,450.1	6.8	3.8	170.28	-74.4	-232.5	338.7	328.2	10.45	32.401	
2,468.4	2,462.2	2,527.8	2,513.2	7.0	3.9	169.45	-78.4	-222.5	338.2	327.5	10.72	31.543	
2,470.0	2,463.8	2,529.3	2,514.7	7.0	3.9	169.44	-78.5	-222.3	338.2	327.5	10.73	31.524	
2,500.0	2,493.6	2,557.1	2,542.1	7.1	3.9	169.12	-80.1	-218.3	338.3	327.5	10.85	31.191	
2,565.0	2,558.0	2,615.6	2,600.0	7.4	3.9	168.50	-83.3	-210.6	339.3	328.2	11.11	30.547	
2,600.0	2,592.7	2,646.0	2,630.2	7.5	3.9	168.16	-85.2	-207.1	340.5	329.2	11.25	30.277	
2,660.0	2,652.2	2,705.5	2,689.2	7.7	4.0	167.51	-89.0	-200.6	343.0	331.5	11.48	29.867	
2,700.0	2,691.9	2,744.1	2,727.5	7.8	4.0	167.11	-91.5	-196.5	344.7	333.1	11.64	29.610	
2,755.0	2,746.4	2,800.3	2,783.2	8.0	4.1	166.52	-95.1	-190.6	347.2	335.3	11.86	29.263	
2,800.0	2,791.0	2,844.9	2,827.5	8.2	4.1	166.08	-97.8	-185.8	349.2	337.1	12.05	28.985	
2,850.0	2,840.6	2,894.2	2,876.5	8.3	4.2	165.62	-100.7	-180.6	351.4	339.2	12.25	28.685	
2,900.0	2,890.2	2,943.9	2,925.8	8.5	4.2	165.21	-103.3	-175.5	353.7	341.3	12.46	28.398	
2,945.0	2,934.8	2,988.3	2,970.0	8.7	4.2	164.87	-105.6	-171.0	355.9	343.3	12.64	28.147	
3,000.0	2,989.3	3,042.5	3,023.8	8.9	4.3	164.48	-108.3	-165.7	358.7	345.8	12.87	27.861	
3,040.0	3,029.0	3,081.5	3,062.6	9.0	4.3	164.23	-110.1	-162.0	360.8	347.7	13.04	27.661	
3,100.0	3,088.5	3,141.1	3,121.9	9.3	4.4	163.88	-112.7	-156.5	364.0	350.7	13.30	27.377	
3,135.0	3,123.2	3,176.7	3,157.3	9.4	4.4	163.67	-114.3	-153.3	365.9	352.5	13.45	27.214	
3,200.0	3,187.6	3,245.7	3,225.8	9.6	4.5	163.10	-118.1	-145.9	368.8	355.1	13.72	26.879	
3,230.0	3,217.3	3,276.0	3,255.9	9.8	4.5	162.83	-119.9	-142.5	370.1	356.2	13.85	26.723	
3,300.0	3,286.7	3,345.7	3,325.0	10.0	4.6	162.24	-123.9	-134.7	373.0	358.8	14.15	26.366	
3,325.0	3,311.5	3,371.9	3,351.0	10.1	4.6	162.03	-125.3	-131.8	374.0	359.8	14.25	26.240	
3,400.0	3,385.9	3,443.1	3,421.7	10.4	4.7	161.54	-128.8	-124.3	377.4	362.8	14.57	25.897	
3,420.0	3,405.7	3,462.5	3,441.0	10.5	4.7	161.43	-129.7	-122.4	378.4	363.8	14.66	25.812	
3,500.0	3,485.0	3,542.3	3,520.3	10.8	4.8	161.01	-133.1	-114.7	382.5	367.5	15.01	25.489	
3,515.0	3,499.9	3,558.5	3,536.4	10.8	4.8	160.89	-134.0	-113.0	383.3	368.2	15.07	25.428	
3,600.0	3,584.2	3,648.5	3,625.5	11.2	4.9	159.86	-140.8	-101.7	386.6	371.2	15.43	25.054	
3,610.0	3,594.1	3,658.3	3,635.2	11.2	4.9	159.75	-141.6	-100.5	387.0	371.5	15.47	25.010	
3,700.0	3,683.3	3,748.2	3,724.0	11.6	5.0	158.72	-148.6	-89.0	390.4	374.6	15.85	24.639	
3,705.0	3,688.3	3,753.2	3,729.0	11.6	5.0	158.66	-148.9	-88.3	390.6	374.8	15.87	24.618	
3,800.0	3,782.5	3,848.0	3,822.7	12.0	5.1	157.67	-155.7	-76.3	394.3	378.0	16.26	24.241	
3,895.0	3,876.6	3,943.3	3,917.1	12.3	5.2	156.75	-162.0	-64.3	397.8	381.2	16.66	23.878	
3,900.0	3,881.6	3,948.4	3,922.1	12.4	5.2	156.71	-162.4	-63.6	398.0	381.4	16.68	23.859	
3,990.0	3,970.8	4,038.1	4,011.1	12.7	5.3	155.99	-167.5	-52.6	401.4	384.3	17.06	23.524	
4,000.0	3,980.8	4,048.2	4,021.0	12.8	5.3	155.92	-168.0	-51.4	401.8	384.7	17.11	23.488	
4,085.0	4,065.0	4,131.7	4,103.8	13.1	5.4	155.32	-172.5	-41.4	405.1	387.7	17.47	23.194	
4,100.0	4,079.9	4,144.9	4,116.9	13.2	5.4	155.20	-173.4	-39.8	405.8	388.3	17.53	23.152	
4,180.0	4,159.2	4,222.9	4,194.1	13.5	5.5	154.43	-179.3	-30.3	409.7	391.9	17.85	22.951	
4,200.0	4,179.0	4,242.9	4,213.9	13.6	5.5	154.24	-180.8	-27.9	410.7	392.8	17.93	22.904	
4,275.0	4,253.4	4,317.3	4,287.6	13.9	5.6	153.60	-186.0	-19.3	414.7	396.5	18.24	22.736	
4,300.0	4,278.2	4,342.1	4,312.2	14.0	5.6	153.40	-187.7	-16.5	416.1	397.7	18.34	22.681	
4,370.0	4,347.6	4,410.8	4,380.3	14.2	5.7	152.89	-192.2	-8.9	420.0	401.3	18.63	22.540	
4,400.0	4,377.3	4,440.7	4,410.0	14.4	5.7	152.68	-194.1	-5.7	421.7	402.9	18.76	22.481	
4,465.0	4,441.8	4,505.6	4,474.3	14.6	5.8	152.26	-198.1	1.3	425.3	406.3	19.03	22.354	
4,500.0	4,476.5	4,540.1	4,508.6	14.8	5.8	152.05	-200.1	4.9	427.3	408.1	19.17	22.287	
4,560.0	4,536.0	4,599.0	4,567.2	15.0	5.9	151.76	-203.3	10.7	431.0	411.6	19.43	22.189	
4,600.0	4,575.6	4,638.7	4,606.6	15.2	5.9	151.57	-205.5	14.6	433.4	413.8	19.59	22.119	
4,653.0	4,628.2	4,692.7	4,660.2	15.4	6.0	151.30	-208.4	20.0	436.7	416.9	19.81	22.047	
4,655.0	4,630.1	4,694.8	4,662.3	15.4	6.0	151.29	-208.5	20.2	436.8	417.0	19.81	22.045	
4,700.0	4,674.8	4,742.2	4,709.3	15.6	6.0	150.98	-211.5	25.5	439.1	419.1	19.99	21.969	
4,750.0	4,724.4	4,792.3	4,759.0	15.8	6.1	150.60	-214.7	31.3	441.2	421.0	20.18	21.860	
4,800.0	4,774.1	4,841.5	4,807.8	16.0	6.1	150.20	-217.9	36.9	443.0	422.6	20.37	21.742	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,818.9	4,886.2	4,852.1	16.1	6.2	149.83	-220.7	41.9	444.3	423.8	20.54	21.631	
4,900.0	4,873.7	4,940.8	4,906.3	16.3	6.3	149.38	-224.0	48.0	445.5	424.8	20.74	21.482	
4,940.0	4,913.5	4,978.0	4,943.3	16.5	6.3	149.09	-226.0	51.8	446.3	425.4	20.87	21.380	
5,000.0	4,973.4	5,036.9	5,001.8	16.7	6.4	148.69	-228.8	57.2	447.3	426.2	21.08	21.215	
5,035.0	5,008.3	5,070.8	5,035.5	16.8	6.4	148.46	-230.4	60.2	447.7	426.5	21.20	21.120	
5,100.0	5,073.2	5,134.4	5,098.9	17.1	6.5	148.07	-232.9	65.4	448.2	426.8	21.41	20.934	
5,130.0	5,103.1	5,163.7	5,128.1	17.2	6.5	147.88	-234.1	67.7	448.3	426.8	21.50	20.849	
5,200.0	5,173.1	5,231.0	5,195.1	17.4	6.6	147.42	-236.7	72.6	448.2	426.5	21.71	20.651	
5,225.0	5,198.1	5,255.5	5,219.6	17.5	6.6	147.26	-237.6	74.2	448.2	426.4	21.77	20.585	
5,300.0	5,273.0	5,332.0	5,295.8	17.7	6.7	146.72	-240.2	79.4	447.2	425.3	21.97	20.356	
5,320.0	5,293.0	5,351.4	5,315.1	17.7	6.7	146.57	-240.8	80.7	446.8	424.8	22.00	20.313	
5,403.0	5,376.0	5,427.9	5,391.6	17.8	6.8	-128.06	-242.5	84.4	445.3	423.2	22.11	20.142	
5,415.0	5,388.0	5,439.5	5,403.2	17.9	6.8	-128.09	-242.6	84.7	445.1	422.9	22.12	20.124	
5,500.0	5,473.0	5,521.0	5,484.6	17.9	6.9	-128.21	-242.7	86.1	444.0	421.8	22.18	20.014	
5,510.0	5,483.0	5,531.1	5,494.7	17.9	6.9	-128.23	-242.7	86.2	443.9	421.7	22.19	20.001	
5,600.0	5,573.0	5,620.4	5,584.0	17.9	7.0	-128.38	-243.2	87.6	443.1	420.8	22.27	19.892	
5,605.0	5,578.0	5,625.3	5,588.9	17.9	7.0	-128.39	-243.2	87.7	443.0	420.8	22.28	19.887	
5,700.0	5,673.0	5,720.9	5,684.5	18.0	7.1	-128.58	-243.8	89.3	442.2	419.8	22.36	19.776	
5,795.0	5,768.0	5,814.4	5,778.0	18.0	7.2	-128.80	-244.5	91.0	441.2	418.8	22.43	19.669	
5,800.0	5,773.0	5,818.8	5,782.4	18.0	7.2	-128.80	-244.6	91.1	441.2	418.8	22.44	19.666	
5,861.5	5,834.6	5,878.6	5,842.2	18.0	7.3	-128.93	-245.1	92.0	440.9	418.4	22.48	19.613	
5,890.0	5,863.0	5,902.5	5,866.1	18.1	7.3	-128.93	-245.1	91.9	441.0	418.5	22.48	19.614	
5,900.0	5,873.0	5,911.7	5,875.3	18.1	7.3	-128.92	-245.2	91.7	441.1	418.6	22.49	19.614	
5,985.0	5,958.0	5,994.5	5,958.1	18.1	7.3	-128.82	-245.4	90.3	442.4	419.9	22.55	19.622	
6,000.0	5,973.0	6,009.0	5,972.6	18.1	7.3	-128.81	-245.5	90.0	442.7	420.2	22.56	19.625	
6,080.0	6,053.0	6,085.9	6,049.5	18.1	7.3	-128.77	-246.4	88.4	444.6	422.0	22.60	19.669	
6,100.0	6,073.0	6,106.2	6,069.7	18.1	7.3	-128.78	-246.7	88.1	445.1	422.5	22.62	19.680	
6,175.0	6,148.0	6,180.4	6,143.9	18.2	7.3	-128.82	-248.2	86.8	447.0	424.3	22.66	19.727	
6,200.0	6,173.0	6,206.0	6,169.5	18.2	7.3	-128.85	-248.7	86.4	447.6	424.9	22.67	19.740	
6,270.0	6,243.0	6,281.6	6,245.1	18.2	7.4	-128.88	-250.0	85.3	449.2	426.5	22.74	19.757	
6,300.0	6,273.0	6,318.4	6,281.9	18.2	7.3	-128.83	-249.8	85.0	449.3	426.5	22.79	19.712	
6,341.2	6,314.3	6,358.4	6,321.9	18.3	7.3	-128.76	-249.3	84.7	449.2	426.3	22.84	19.668	
6,365.0	6,338.0	6,379.8	6,343.3	18.3	7.3	-128.72	-249.1	84.5	449.2	426.4	22.86	19.654	
6,400.0	6,373.0	6,410.8	6,374.3	18.3	7.3	-128.67	-248.9	84.0	449.6	426.7	22.88	19.649	
6,460.0	6,433.0	6,463.8	6,427.2	18.3	7.3	-128.58	-249.1	82.6	450.9	428.0	22.91	19.679	
6,500.0	6,473.0	6,500.0	6,463.4	18.3	7.3	-128.51	-249.5	81.3	452.3	429.4	22.94	19.718	
6,555.0	6,528.0	6,551.6	6,515.0	18.3	7.3	-128.38	-250.1	78.9	454.7	431.7	22.98	19.782	
6,600.0	6,573.0	6,592.3	6,555.6	18.4	7.3	-128.28	-250.7	76.8	456.9	433.9	23.02	19.853	
6,650.0	6,623.0	6,654.1	6,617.3	18.4	7.3	-128.15	-251.7	73.9	459.3	436.2	23.10	19.882	
6,700.0	6,673.0	6,708.5	6,671.7	18.4	7.3	-128.12	-252.3	72.8	460.5	437.3	23.16	19.883	
6,745.0	6,718.0	6,753.3	6,716.5	18.4	7.4	-128.10	-252.7	72.0	461.3	438.1	23.19	19.888	
6,800.0	6,773.0	6,806.0	6,769.2	18.5	7.4	-128.04	-253.0	70.8	462.6	439.3	23.24	19.904	
6,840.0	6,813.0	6,845.7	6,808.9	18.5	7.4	-127.98	-253.2	69.7	463.5	440.3	23.28	19.913	
6,900.0	6,873.0	6,904.6	6,867.8	18.5	7.4	-127.88	-253.6	67.9	465.2	441.9	23.34	19.934	
6,935.0	6,908.0	6,940.6	6,903.8	18.5	7.4	-127.80	-253.7	66.8	466.1	442.7	23.38	19.939	
7,000.0	6,973.0	7,008.3	6,971.4	18.5	7.4	-127.63	-253.5	64.7	467.5	444.1	23.46	19.929	
7,030.0	7,003.0	7,037.8	7,000.9	18.6	7.4	-127.55	-253.3	63.9	468.1	444.6	23.49	19.927	
7,100.0	7,073.0	7,124.9	7,087.9	18.6	7.4	-127.36	-252.6	62.2	469.0	445.4	23.63	19.850	
7,125.0	7,098.0	7,149.9	7,113.0	18.6	7.4	-127.37	-252.4	62.5	468.6	445.0	23.66	19.809	
7,200.0	7,173.0	7,220.6	7,183.7	18.6	7.5	-127.48	-252.8	63.7	467.8	444.1	23.72	19.725	
7,220.0	7,193.0	7,239.9	7,202.9	18.7	7.5	-127.53	-253.0	64.0	467.7	444.0	23.73	19.707	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,258.9	7,231.9	7,276.4	7,239.4	18.7	7.5	-127.60	-253.4	64.5	467.6	443.9	23.76	19.680	
7,300.0	7,273.0	7,314.2	7,277.2	18.7	7.6	-127.70	-254.1	64.8	467.8	444.0	23.78	19.669	
7,315.0	7,288.0	7,328.8	7,291.8	18.7	7.6	-127.74	-254.4	64.9	467.9	444.1	23.79	19.666	
7,400.0	7,373.0	7,411.4	7,374.4	18.7	7.7	-127.98	-256.5	65.5	468.8	444.9	23.85	19.659	
7,410.0	7,383.0	7,421.0	7,384.0	18.7	7.7	-128.01	-256.8	65.5	468.9	445.1	23.85	19.660	
7,500.0	7,473.0	7,520.5	7,483.4	18.8	7.8	-128.29	-258.9	66.5	469.4	445.5	23.94	19.608	
7,505.0	7,478.0	7,526.0	7,489.0	18.8	7.8	-128.31	-259.0	66.6	469.4	445.5	23.95	19.603	
7,559.6	7,532.6	7,577.3	7,540.2	18.8	7.8	-128.46	-259.9	67.6	469.1	445.1	23.98	19.563	
7,600.0	7,573.0	7,612.3	7,575.2	18.8	7.9	-128.60	-260.9	68.2	469.4	445.4	23.99	19.562	
7,695.0	7,668.0	7,700.0	7,662.9	18.9	8.0	-128.95	-264.2	68.6	471.3	447.2	24.03	19.608	
7,700.0	7,673.0	7,704.4	7,667.3	18.9	8.0	-128.96	-264.4	68.5	471.4	447.4	24.04	19.612	
7,790.0	7,763.0	7,802.7	7,765.4	18.9	8.0	-129.10	-267.2	66.8	474.3	450.2	24.13	19.660	
7,800.0	7,773.0	7,821.0	7,783.8	18.9	8.0	-129.01	-266.7	66.4	474.4	450.2	24.17	19.627	
7,885.0	7,858.0	7,915.8	7,878.4	19.0	8.0	-128.32	-260.5	64.8	471.9	447.5	24.36	19.370	
7,900.0	7,873.0	7,929.2	7,891.8	19.0	8.0	-128.24	-259.8	64.7	471.5	447.1	24.38	19.339	
7,980.0	7,953.0	8,021.1	7,983.5	19.0	8.0	-127.74	-255.2	63.9	469.7	445.2	24.56	19.124	
8,000.0	7,973.0	8,053.7	8,015.9	19.0	8.0	-127.44	-252.0	64.0	468.4	443.8	24.66	18.994	
8,075.0	8,048.0	8,131.0	8,092.7	19.1	8.0	-126.56	-242.6	64.8	462.3	437.5	24.84	18.611	
8,100.0	8,073.0	8,150.0	8,111.5	19.1	8.0	-126.35	-240.4	64.9	460.4	435.6	24.86	18.519	
8,170.0	8,143.0	8,213.2	8,174.4	19.1	8.0	-125.71	-234.0	65.0	456.2	431.2	24.97	18.267	
8,200.0	8,173.0	8,240.0	8,201.1	19.1	8.0	-125.46	-231.6	64.9	454.8	429.7	25.02	18.176	
8,265.0	8,238.0	8,300.0	8,260.9	19.2	8.0	-124.88	-226.5	64.2	452.2	427.0	25.13	17.995	
8,300.0	8,273.0	8,330.4	8,291.2	19.2	8.0	-124.58	-224.1	63.6	451.2	426.0	25.18	17.920	
8,360.0	8,333.0	8,387.3	8,348.0	19.2	8.0	-124.08	-220.2	62.3	450.0	424.8	25.28	17.804	
8,400.0	8,373.0	8,426.4	8,386.9	19.2	8.0	-123.79	-218.0	61.5	449.4	424.1	25.34	17.733	
8,455.0	8,428.0	8,481.5	8,442.0	19.2	8.0	-123.44	-215.2	60.6	448.6	423.2	25.44	17.637	
8,500.0	8,473.0	8,525.0	8,485.5	19.3	8.0	-123.23	-213.6	60.2	448.0	422.5	25.50	17.568	
8,550.0	8,523.0	8,574.0	8,534.4	19.3	8.0	-123.05	-212.1	59.8	447.5	422.0	25.57	17.499	
8,600.0	8,573.0	8,620.7	8,581.1	19.3	8.0	-122.91	-211.1	59.4	447.3	421.7	25.63	17.451	
8,645.0	8,618.0	8,665.9	8,626.3	19.3	8.0	-122.81	-210.4	59.0	447.3	421.6	25.69	17.407	
8,700.0	8,673.0	8,722.3	8,682.7	19.4	8.0	-122.73	-209.8	58.8	447.1	421.3	25.77	17.350	
8,740.0	8,713.0	8,761.4	8,721.8	19.4	8.0	-122.69	-209.5	58.8	446.9	421.1	25.82	17.312	
8,800.0	8,773.0	8,825.0	8,785.4	19.4	8.0	-122.67	-209.0	59.2	446.3	420.4	25.90	17.231	
8,835.0	8,808.0	8,855.4	8,815.8	19.4	8.0	-122.65	-208.8	59.2	446.2	420.3	25.94	17.206	
8,838.3	8,811.4	8,858.6	8,819.0	19.4	8.0	-122.64	-208.8	59.2	446.2	420.3	25.94	17.204	
8,838.7	8,811.7	8,858.9	8,819.3	19.4	8.0	-122.64	-208.8	59.2	446.2	420.3	25.94	17.204	
8,900.0	8,873.0	8,917.4	8,877.8	19.5	8.1	-122.55	-208.2	58.6	446.4	420.4	25.99	17.175	
8,930.0	8,903.0	8,946.0	8,906.4	19.5	8.1	-122.47	-207.9	58.1	446.7	420.7	26.02	17.166	
9,000.0	8,973.0	9,229.9	9,175.9	19.5	8.2	-117.00	-145.6	86.5	437.1	408.1	29.05	15.047	
9,025.0	8,998.0	9,267.6	9,207.0	19.5	8.2	-114.90	-125.9	94.8	425.6	396.2	29.44	14.456	
9,100.0	9,073.0	9,353.4	9,273.1	19.6	8.3	-108.47	-75.1	114.6	388.8	358.7	30.10	12.916	
9,120.0	9,093.0	9,371.7	9,286.4	19.6	8.3	-106.76	-63.3	118.8	378.9	348.7	30.17	12.558	
9,200.0	9,173.0	9,440.9	9,334.9	19.6	8.4	-99.16	-16.5	134.6	341.1	310.8	30.26	11.270	
9,215.0	9,188.0	9,453.5	9,343.3	19.6	8.5	-97.56	-7.5	137.5	334.4	304.1	30.24	11.058	
9,300.0	9,273.0	9,519.2	9,384.0	19.7	8.6	-88.05	41.5	153.1	300.4	270.7	29.70	10.115	
9,310.0	9,283.0	9,525.7	9,387.8	19.7	8.6	-87.02	46.5	154.6	297.0	267.4	29.58	10.041	
9,400.0	9,373.0	9,579.0	9,418.4	19.7	8.7	-78.10	88.2	167.8	275.6	247.3	28.29	9.741	
9,405.0	9,378.0	9,581.8	9,420.0	19.7	8.7	-77.62	90.4	168.5	275.0	246.7	28.22	9.743	
9,454.1	9,427.1	9,608.2	9,434.7	19.8	8.7	-73.01	111.4	174.9	271.9	244.2	27.62	9.842	CC, ES
9,500.0	9,473.0	9,630.8	9,447.0	19.8	8.8	-69.00	129.6	180.4	274.7	247.3	27.33	10.050	
9,595.0	9,568.0	9,671.9	9,467.8	19.8	8.9	-61.70	163.6	190.3	298.0	270.3	27.74	10.744	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,600.0	9,573.0	9,673.9	9,468.7	19.8	8.9	-61.35	165.3	190.8	299.8	272.0	27.79	10.790	
9,690.0	9,663.0	9,707.5	9,484.3	19.9	9.0	-55.55	193.9	198.8	341.6	312.7	28.93	11.808	
9,700.0	9,673.0	9,711.1	9,485.9	19.9	9.0	-54.94	197.0	199.7	347.2	318.1	29.07	11.942	
9,785.0	9,758.0	9,743.0	9,499.6	19.9	9.1	-49.72	224.8	207.3	399.7	369.6	30.17	13.248	
9,800.0	9,773.0	9,743.0	9,499.6	19.9	9.1	-49.72	224.8	207.3	409.9	379.4	30.47	13.450	
9,880.0	9,853.0	9,772.2	9,511.5	20.0	9.2	-45.25	250.6	214.4	467.3	435.9	31.37	14.894	
9,900.0	9,873.0	9,779.0	9,514.2	20.0	9.2	-44.25	256.6	216.1	482.4	450.8	31.59	15.270	
9,921.5	9,894.5	9,786.2	9,517.0	20.0	9.2	-43.22	263.0	217.8	498.8	467.1	31.72	15.728	
9,925.0	9,898.0	9,790.0	9,518.5	20.0	9.2	-41.97	266.3	218.7	501.5	469.8	31.71	15.817	
9,950.0	9,923.0	9,790.0	9,518.5	20.0	9.2	-39.64	266.3	218.7	520.7	488.6	32.10	16.221	
9,975.0	9,947.9	9,802.6	9,523.4	20.0	9.3	-36.03	277.5	221.8	539.5	507.2	32.29	16.705	
10,000.0	9,972.7	9,810.7	9,526.5	20.0	9.3	-33.31	284.8	223.7	557.9	525.3	32.56	17.133	
10,025.0	9,997.2	9,819.3	9,529.6	20.0	9.3	-30.86	292.4	225.8	575.9	543.1	32.83	17.543	
10,050.0	10,021.5	9,828.2	9,532.8	20.0	9.4	-28.64	300.5	228.0	593.5	560.4	33.09	17.934	
10,070.0	10,040.6	9,837.0	9,535.9	20.0	9.4	-26.93	308.4	230.2	607.2	573.9	33.29	18.242	
10,075.0	10,045.4	9,837.0	9,535.9	20.0	9.4	-26.68	308.4	230.2	610.6	577.2	33.36	18.301	
10,100.0	10,068.9	9,837.0	9,535.9	20.0	9.4	-25.50	308.4	230.2	627.2	593.5	33.73	18.595	
10,125.0	10,091.9	9,852.3	9,541.0	20.0	9.4	-23.50	322.4	234.0	643.1	609.2	33.92	18.959	
10,150.0	10,114.4	9,860.0	9,543.3	20.0	9.5	-22.15	329.4	235.9	658.6	624.4	34.20	19.259	
10,165.0	10,127.6	9,864.6	9,544.7	20.0	9.5	-21.40	333.7	237.1	667.7	633.3	34.36	19.431	
10,175.0	10,136.3	9,867.8	9,545.6	20.0	9.5	-20.92	336.6	237.9	673.6	639.1	34.47	19.541	
10,200.0	10,157.5	9,884.0	9,550.0	20.0	9.6	-19.42	351.7	242.1	688.0	653.3	34.66	19.851	
10,225.0	10,178.0	9,884.0	9,550.0	20.0	9.6	-18.78	351.7	242.1	701.6	666.6	34.99	20.053	
10,250.0	10,197.7	9,884.0	9,550.0	20.0	9.6	-18.19	351.7	242.1	714.8	679.5	35.30	20.250	
10,260.0	10,205.4	9,898.1	9,553.4	20.0	9.6	-17.42	364.8	245.8	719.7	684.4	35.32	20.378	
10,275.0	10,216.6	9,904.4	9,554.8	20.0	9.6	-16.88	370.7	247.5	727.1	691.6	35.46	20.506	
10,300.0	10,234.6	9,915.1	9,557.2	20.0	9.7	-16.05	380.8	250.3	738.7	703.0	35.68	20.704	
10,325.0	10,251.7	9,932.0	9,560.6	20.0	9.7	-15.10	396.7	254.7	749.6	713.8	35.86	20.905	
10,350.0	10,267.8	9,932.0	9,560.6	20.1	9.7	-14.75	396.7	254.7	759.7	723.6	36.13	21.025	
10,355.0	10,270.9	9,932.0	9,560.6	20.1	9.7	-14.69	396.7	254.7	761.7	725.5	36.19	21.049	
10,375.0	10,282.9	9,948.8	9,563.7	20.1	9.8	-13.95	412.6	259.2	769.0	732.7	36.31	21.180	
10,400.0	10,296.9	9,960.7	9,565.6	20.1	9.9	-13.36	423.9	262.3	777.6	741.1	36.51	21.300	
10,425.0	10,309.8	9,979.0	9,568.4	20.1	10.0	-12.66	441.4	267.1	785.3	748.6	36.67	21.417	
10,450.0	10,321.5	9,979.0	9,568.4	20.1	10.0	-12.48	441.4	267.1	792.2	755.3	36.90	21.468	
10,475.0	10,332.1	10,001.5	9,571.4	20.1	10.1	-11.78	462.9	273.0	798.0	761.0	37.04	21.544	
10,500.0	10,341.5	10,017.0	9,573.2	20.1	10.1	-11.30	477.7	277.2	803.0	765.8	37.21	21.583	
10,525.0	10,349.7	10,027.0	9,574.3	20.2	10.2	-10.98	487.3	279.8	807.0	769.7	37.38	21.590	
10,545.0	10,355.3	10,027.0	9,574.3	20.2	10.2	-10.92	487.3	279.8	809.8	772.3	37.53	21.577	
10,550.0	10,356.6	10,027.0	9,574.3	20.2	10.2	-10.90	487.3	279.8	810.5	772.9	37.57	21.574	
10,575.0	10,362.3	10,054.0	9,576.7	20.2	10.3	-10.28	513.2	287.1	812.5	774.8	37.70	21.553	
10,600.0	10,366.7	10,065.5	9,577.5	20.2	10.4	-10.01	524.2	290.3	813.9	776.1	37.85	21.504	
10,625.0	10,369.7	10,077.0	9,578.0	20.3	10.4	-9.76	535.2	293.5	814.5	776.5	37.99	21.438	
10,640.0	10,371.0	10,083.9	9,578.2	20.3	10.5	-9.62	541.9	295.5	814.4	776.3	38.08	21.389	
10,650.0	10,371.5	10,088.5	9,578.3	20.3	10.5	-9.53	546.3	296.8	814.2	776.1	38.13	21.353	
10,669.7	10,372.0	10,097.6	9,578.5	20.3	10.5	-9.36	554.9	299.3	813.4	775.1	38.23	21.275	
10,700.0	10,372.1	10,123.0	9,578.3	20.4	10.7	-8.83	579.3	306.7	812.2	773.8	38.38	21.160	
10,735.0	10,372.2	10,131.6	9,578.0	20.4	10.7	-8.65	587.5	309.2	811.2	772.6	38.55	21.043	
10,800.0	10,372.5	10,190.4	9,576.5	20.5	11.0	-7.49	644.1	325.1	810.5	771.7	38.88	20.845	
10,830.0	10,372.6	10,218.0	9,575.8	20.6	11.2	-6.99	670.8	331.9	810.5	771.4	39.04	20.759	
10,830.6	10,372.6	10,218.0	9,575.8	20.6	11.2	-6.99	670.8	331.9	810.5	771.4	39.05	20.757	
10,900.0	10,372.9	10,271.9	9,574.0	20.7	11.5	-6.09	723.2	344.3	811.2	771.8	39.40	20.588	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,925.0	10,373.0	10,291.2	9,573.1	20.8	11.6	-5.78	742.1	348.4	811.8	772.3	39.53	20.536	
11,000.0	10,373.2	10,356.4	9,569.7	21.0	12.0	-4.80	805.8	361.6	814.6	774.7	39.94	20.396	
11,020.0	10,373.3	10,374.9	9,568.7	21.0	12.1	-4.54	824.0	365.1	815.5	775.4	40.06	20.358	
11,100.0	10,373.6	10,525.6	9,567.1	21.2	13.0	-2.89	972.8	387.5	815.9	775.2	40.64	20.076	
11,115.0	10,373.7	10,537.2	9,567.5	21.3	13.1	-2.78	984.3	388.9	815.3	774.6	40.74	20.014	
11,200.0	10,374.0	10,614.3	9,569.1	21.5	13.6	-2.07	1,060.8	398.6	813.3	772.0	41.30	19.694	
11,210.0	10,374.0	10,639.1	9,570.0	21.5	13.8	-1.86	1,085.5	401.5	813.0	771.6	41.37	19.650	
11,300.0	10,374.4	10,754.9	9,578.3	21.8	14.5	-1.12	1,200.5	411.3	806.3	764.3	41.99	19.202	
11,305.0	10,374.4	10,759.5	9,578.6	21.8	14.6	-1.09	1,205.1	411.7	805.9	763.9	42.03	19.176	
11,400.0	10,374.8	10,846.8	9,584.8	22.1	15.1	-0.69	1,292.0	416.8	799.4	756.7	42.74	18.703	
11,495.0	10,375.1	10,931.3	9,590.1	22.4	15.7	-0.66	1,376.3	416.7	793.8	750.4	43.48	18.257	
11,500.0	10,375.1	10,935.6	9,590.3	22.4	15.7	-0.66	1,380.6	416.6	793.6	750.1	43.52	18.235	
11,590.0	10,375.5	11,009.4	9,593.7	22.8	16.2	-0.75	1,454.3	415.1	789.9	745.6	44.25	17.851	
11,600.0	10,375.5	11,017.0	9,594.0	22.8	16.3	-0.75	1,462.0	414.9	789.6	745.3	44.33	17.812	
11,685.0	10,375.8	11,085.1	9,595.2	23.1	16.8	-0.77	1,530.0	414.2	788.3	743.3	45.03	17.507	
11,700.0	10,375.9	11,099.3	9,595.3	23.2	16.9	-0.77	1,544.2	414.2	788.3	743.1	45.16	17.456	
11,780.0	10,376.2	11,178.5	9,595.8	23.5	17.4	-0.78	1,623.4	413.5	788.1	742.3	45.86	17.186	
11,800.0	10,376.3	11,205.6	9,596.1	23.6	17.6	-0.80	1,650.5	413.0	788.0	741.9	46.05	17.113	
11,875.0	10,376.5	11,288.5	9,598.4	23.9	18.2	-0.99	1,733.3	409.9	786.2	739.4	46.73	16.822	
11,900.0	10,376.6	11,308.4	9,598.8	24.0	18.4	-1.04	1,753.2	409.0	785.7	738.7	46.96	16.731	
11,961.0	10,376.9	11,357.0	9,599.4	24.3	18.7	-1.18	1,801.7	406.8	785.2	737.7	47.52	16.525	
11,970.0	10,376.9	11,364.6	9,599.5	24.3	18.8	-1.20	1,809.3	406.5	785.2	737.6	47.60	16.497	
12,000.0	10,377.0	11,389.8	9,599.5	24.5	19.0	-1.27	1,834.5	405.4	785.4	737.5	47.87	16.405	
12,065.0	10,377.3	11,452.0	9,598.8	24.7	19.4	-1.42	1,896.6	402.9	786.3	737.8	48.50	16.214	
12,100.0	10,377.4	11,486.2	9,598.3	24.9	19.7	-1.48	1,930.8	401.9	786.9	738.1	48.84	16.114	
12,160.0	10,377.6	11,561.1	9,598.5	25.2	20.2	-1.45	2,005.7	401.7	787.0	737.6	49.47	15.909	
12,200.0	10,377.8	11,604.1	9,599.0	25.4	20.6	-1.40	2,048.7	402.1	786.7	736.8	49.88	15.770	
12,255.0	10,378.0	11,659.9	9,599.8	25.6	21.0	-1.34	2,104.5	402.6	786.0	735.6	50.46	15.578	
12,300.0	10,378.1	11,701.4	9,600.4	25.9	21.3	-1.29	2,146.0	403.0	785.6	734.7	50.92	15.427	
12,350.0	10,378.3	11,747.4	9,600.7	26.1	21.7	-1.24	2,192.0	403.3	785.4	734.0	51.45	15.266	
12,364.1	10,378.4	11,760.2	9,600.8	26.2	21.8	-1.23	2,204.8	403.5	785.4	733.8	51.60	15.221	
12,400.0	10,378.5	11,792.8	9,600.8	26.3	22.0	-1.18	2,237.4	403.9	785.5	733.5	51.98	15.112	
12,445.0	10,378.7	11,833.8	9,600.7	26.6	22.3	-1.10	2,278.4	404.7	785.8	733.3	52.46	14.979	
12,500.0	10,378.9	11,884.4	9,600.2	26.9	22.7	-0.99	2,328.9	405.9	786.4	733.4	53.05	14.825	
12,540.0	10,379.1	11,924.0	9,599.7	27.1	23.1	-0.90	2,368.5	406.8	787.1	733.6	53.49	14.715	
12,600.0	10,379.3	12,002.5	9,599.5	27.4	23.7	-0.63	2,447.0	409.9	787.5	733.3	54.21	14.526	
12,635.0	10,379.4	12,050.6	9,600.4	27.6	24.1	-0.39	2,495.0	413.0	786.9	732.3	54.63	14.404	
12,700.0	10,379.7	12,101.8	9,601.3	27.9	24.5	-0.18	2,546.0	415.5	786.0	730.6	55.36	14.197	
12,728.0	10,379.8	12,124.5	9,601.5	28.1	24.6	-0.14	2,568.8	415.9	785.9	730.2	55.68	14.116	
12,730.0	10,379.8	12,126.1	9,601.5	28.1	24.7	-0.14	2,570.4	415.9	785.9	730.2	55.70	14.110	
12,800.0	10,380.0	12,191.6	9,601.4	28.4	25.2	-0.13	2,635.9	415.6	786.2	729.7	56.50	13.916	
12,825.0	10,380.1	12,216.2	9,601.3	28.6	25.4	-0.14	2,660.5	415.3	786.4	729.6	56.79	13.848	
12,900.0	10,380.4	12,296.1	9,601.3	29.0	26.0	-0.23	2,740.3	413.5	786.8	729.1	57.68	13.640	
12,920.0	10,380.5	12,318.0	9,601.4	29.1	26.2	-0.26	2,762.3	413.0	786.7	728.8	57.92	13.583	
13,000.0	10,380.8	12,398.5	9,601.9	29.6	26.8	-0.41	2,842.7	410.3	786.5	727.6	58.88	13.359	
13,015.0	10,380.8	12,413.3	9,602.0	29.6	26.9	-0.46	2,857.5	409.6	786.5	727.4	59.06	13.317	
13,100.0	10,381.2	12,501.9	9,602.8	30.1	27.7	-0.80	2,946.0	404.4	786.1	726.0	60.08	13.084	
13,110.0	10,381.2	12,512.5	9,602.9	30.2	27.7	-0.84	2,956.5	403.6	786.1	725.8	60.21	13.056	
13,157.2	10,381.4	12,553.9	9,603.3	30.5	28.1	-1.03	2,997.8	400.8	785.8	725.1	60.77	12.932	
13,200.0	10,381.5	12,589.6	9,603.3	30.7	28.4	-1.17	3,033.4	398.6	786.0	724.8	61.27	12.829	
13,205.0	10,381.6	12,593.8	9,603.3	30.7	28.4	-1.19	3,037.6	398.3	786.1	724.7	61.33	12.817	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.0	10,381.9	12,685.4	9,602.3	31.3	29.1	-1.46	3,129.1	394.0	787.5	725.0	62.49	12.602	
13,395.0	10,382.3	12,804.8	9,602.6	31.9	30.1	-1.70	3,248.4	389.9	787.8	724.0	63.74	12.359	
13,400.0	10,382.3	12,811.5	9,602.8	31.9	30.2	-1.72	3,255.2	389.5	787.7	723.9	63.80	12.346	
13,476.1	10,382.6	12,873.1	9,603.5	32.3	30.7	-1.80	3,316.7	388.1	787.1	722.3	64.74	12.157	
13,490.0	10,382.6	12,884.7	9,603.5	32.4	30.7	-1.79	3,328.3	388.2	787.1	722.2	64.91	12.126	
13,500.0	10,382.7	12,893.0	9,603.5	32.5	30.8	-1.77	3,336.6	388.3	787.1	722.1	65.03	12.103	
13,585.0	10,383.0	12,973.3	9,603.0	33.0	31.5	-1.54	3,416.8	391.0	787.9	721.8	66.12	11.917	
13,600.0	10,383.0	12,987.7	9,602.9	33.1	31.6	-1.49	3,431.2	391.6	788.1	721.7	66.31	11.885	
13,680.0	10,383.3	13,068.2	9,602.1	33.6	32.3	-1.23	3,511.6	394.6	789.0	721.7	67.35	11.715	
13,700.0	10,383.4	13,088.4	9,602.0	33.7	32.4	-1.18	3,531.9	395.1	789.2	721.6	67.61	11.673	
13,775.0	10,383.7	13,162.5	9,601.3	34.2	33.0	-1.01	3,605.9	396.9	790.1	721.5	68.59	11.519	
13,800.0	10,383.8	13,187.1	9,601.1	34.3	33.2	-0.96	3,630.6	397.5	790.4	721.5	68.92	11.469	
13,870.0	10,384.1	13,266.5	9,600.8	34.8	33.9	-0.87	3,709.9	398.1	790.9	721.0	69.87	11.319	
13,889.2	10,384.1	13,288.3	9,600.9	34.9	34.1	-0.89	3,731.7	397.7	790.9	720.8	70.13	11.277	
13,900.0	10,384.2	13,283.0	9,600.9	34.9	34.0	-0.88	3,726.4	397.8	791.0	720.8	70.22	11.264	
13,965.0	10,384.4	13,341.5	9,600.4	35.4	34.5	-0.91	3,784.9	397.0	791.9	720.8	71.06	11.145	
14,000.0	10,384.6	13,378.0	9,599.3	35.6	34.8	-0.91	3,821.4	396.8	793.1	721.6	71.53	11.089	
14,060.0	10,384.8	13,442.4	9,597.5	36.0	35.4	-0.96	3,885.7	395.6	795.1	722.7	72.34	10.990	
14,100.0	10,384.9	13,491.4	9,597.2	36.2	35.8	-1.08	3,934.7	393.7	795.5	722.6	72.91	10.910	
14,155.0	10,385.1	13,545.8	9,597.0	36.6	36.2	-1.07	3,989.1	393.3	795.9	722.3	73.65	10.807	
14,200.0	10,385.3	13,597.1	9,596.8	36.9	36.6	-0.94	4,040.4	394.9	796.2	721.9	74.28	10.719	
14,250.0	10,385.5	13,662.1	9,597.7	37.2	37.2	-0.90	4,105.3	395.0	795.7	720.8	74.98	10.612	
14,300.0	10,385.7	13,713.6	9,598.9	37.5	37.6	-0.95	4,156.8	394.0	794.8	719.1	75.66	10.504	
14,345.0	10,385.9	13,759.8	9,600.0	37.8	38.0	-1.00	4,203.0	392.9	793.8	717.5	76.28	10.407	
14,400.0	10,386.1	13,813.7	9,601.4	38.2	38.4	-1.06	4,256.9	391.7	792.7	715.6	77.03	10.291	
14,440.0	10,386.2	13,852.9	9,602.3	38.4	38.8	-1.10	4,296.0	391.0	791.9	714.3	77.57	10.208	
14,500.0	10,386.4	13,913.1	9,603.7	38.8	39.3	-1.07	4,356.2	391.1	790.7	712.3	78.40	10.085	
14,535.0	10,386.6	13,947.0	9,604.5	39.0	39.5	-0.99	4,390.1	391.9	790.0	711.1	78.88	10.015	
14,600.0	10,386.8	14,008.4	9,605.7	39.5	40.1	-0.81	4,451.5	394.0	788.9	709.1	79.78	9.889	
14,630.0	10,386.9	14,036.3	9,606.1	39.7	40.3	-0.73	4,479.3	394.9	788.5	708.3	80.19	9.833	
14,689.4	10,387.2	14,087.0	9,606.6	40.1	40.7	-0.58	4,530.0	396.6	788.2	707.2	81.00	9.731	
14,700.0	10,387.2	14,096.0	9,606.6	40.1	40.8	-0.56	4,539.0	396.9	788.2	707.1	81.14	9.714	
14,725.0	10,387.3	14,117.1	9,606.6	40.3	41.0	-0.49	4,560.1	397.6	788.3	706.8	81.48	9.675	
14,800.0	10,387.6	14,189.8	9,606.1	40.8	41.6	-0.26	4,632.8	400.3	789.1	706.6	82.52	9.562	
14,820.0	10,387.6	14,210.5	9,606.0	40.9	41.7	-0.20	4,653.4	401.0	789.3	706.5	82.80	9.532	
14,900.0	10,387.9	14,275.3	9,605.2	41.5	42.3	0.01	4,718.3	403.4	790.6	706.7	83.86	9.427	
14,915.0	10,388.0	14,286.3	9,604.9	41.6	42.4	0.05	4,729.1	403.9	791.0	707.0	84.05	9.412	
15,000.0	10,388.3	14,353.8	9,602.0	42.1	43.0	0.35	4,796.5	407.7	795.0	709.9	85.13	9.339	
15,010.0	10,388.4	14,363.2	9,601.5	42.2	43.0	0.40	4,805.9	408.2	795.6	710.3	85.26	9.331	
15,100.0	10,388.7	14,458.2	9,596.4	42.8	43.8	0.85	4,900.6	413.9	800.8	714.2	86.58	9.250	
15,105.0	10,388.7	14,464.9	9,596.1	42.8	43.9	0.88	4,907.2	414.4	801.1	714.4	86.66	9.244	
15,200.0	10,389.1	14,612.6	9,594.1	43.5	45.1	1.44	5,054.7	421.3	803.0	714.8	88.24	9.101	
15,295.0	10,389.4	14,716.7	9,597.0	44.1	46.0	1.38	5,158.8	419.7	800.7	711.1	89.59	8.937	
15,300.0	10,389.5	14,720.7	9,597.1	44.2	46.0	1.38	5,162.8	419.6	800.5	710.9	89.66	8.928	
15,390.0	10,389.8	14,802.0	9,598.7	44.8	46.7	1.23	5,244.0	416.9	799.1	708.1	90.94	8.787	
15,400.0	10,389.8	14,802.0	9,598.7	44.8	46.7	1.23	5,244.0	416.9	799.0	707.9	91.06	8.774	
15,418.4	10,389.9	14,815.2	9,598.7	45.0	46.8	1.20	5,257.2	416.5	799.0	707.7	91.31	8.750	
15,485.0	10,390.2	14,863.3	9,598.2	45.4	47.2	1.12	5,305.3	415.0	799.9	707.7	92.18	8.677	
15,500.0	10,390.2	14,874.2	9,597.9	45.5	47.3	1.10	5,316.1	414.7	800.3	708.0	92.37	8.664	
15,580.0	10,390.5	14,951.2	9,595.3	46.1	48.0	0.91	5,393.0	411.5	803.3	709.8	93.49	8.592	
15,600.0	10,390.6	14,973.5	9,594.6	46.2	48.2	0.80	5,415.2	409.8	804.0	710.2	93.79	8.572	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
15,675.0	10,390.9	15,045.2	9,592.5	46.7	48.8	0.34	5,486.6	403.0	806.4	711.6	94.84	8.503	
15,700.0	10,391.0	15,068.0	9,591.7	46.9	49.0	0.19	5,509.3	400.6	807.4	712.2	95.18	8.483	
15,770.0	10,391.2	15,137.7	9,589.2	47.4	49.5	-0.25	5,578.6	394.0	810.2	714.0	96.17	8.425	
15,800.0	10,391.3	15,168.6	9,588.1	47.6	49.8	-0.37	5,609.5	392.1	811.4	714.8	96.60	8.399	
15,865.0	10,391.6	15,253.3	9,586.1	48.1	50.5	-0.59	5,694.0	388.4	813.2	715.6	97.65	8.328	
15,900.0	10,391.7	15,303.2	9,586.0	48.3	50.9	-0.71	5,743.9	386.4	813.4	715.2	98.20	8.283	
15,960.0	10,391.9	15,384.6	9,587.9	48.7	51.6	-0.74	5,825.2	385.3	812.2	713.1	99.10	8.196	
16,000.0	10,392.1	15,422.6	9,589.1	49.0	51.9	-0.72	5,863.2	385.4	811.0	711.4	99.68	8.137	
16,055.0	10,392.3	15,474.2	9,590.7	49.4	52.4	-0.70	5,914.8	385.3	809.6	709.1	100.48	8.058	
16,100.0	10,392.5	15,513.9	9,591.6	49.7	52.7	-0.69	5,954.4	385.3	808.7	707.6	101.13	7.997	
16,150.0	10,392.7	15,561.0	9,592.4	50.0	53.1	-0.68	6,001.6	385.2	808.0	706.2	101.85	7.933	
16,200.0	10,392.8	15,614.1	9,593.3	50.4	53.6	-0.66	6,054.6	385.0	807.4	704.8	102.59	7.870	
16,245.0	10,393.0	15,664.5	9,594.6	50.7	54.0	-0.65	6,105.0	384.9	806.4	703.2	103.25	7.810	
16,300.0	10,393.2	15,721.2	9,596.2	51.1	54.5	-0.63	6,161.8	384.7	805.0	701.0	104.05	7.737	
16,340.0	10,393.4	15,761.2	9,597.4	51.4	54.8	-0.62	6,201.7	384.7	804.0	699.3	104.64	7.683	
16,400.0	10,393.6	15,816.2	9,598.9	51.8	55.3	-0.60	6,256.7	384.6	802.6	697.1	105.52	7.606	
16,435.0	10,393.7	15,846.0	9,599.5	52.0	55.5	-0.58	6,286.5	384.6	802.0	695.9	106.03	7.564	
16,500.0	10,394.0	15,909.0	9,600.6	52.5	56.0	-0.57	6,349.5	384.4	801.1	694.1	106.98	7.488	
16,530.0	10,394.1	15,937.1	9,601.0	52.7	56.3	-0.57	6,377.5	384.2	800.8	693.4	107.41	7.455	
16,587.4	10,394.3	15,987.6	9,601.4	53.1	56.7	-0.58	6,428.0	383.7	800.5	692.3	108.24	7.396	
16,600.0	10,394.4	15,998.6	9,601.5	53.2	56.8	-0.59	6,439.1	383.5	800.5	692.1	108.42	7.384	
16,625.0	10,394.5	16,020.5	9,601.5	53.4	57.0	-0.60	6,461.0	383.2	800.6	691.8	108.78	7.360	
16,700.0	10,394.7	16,109.6	9,601.8	53.9	57.7	-0.68	6,550.0	381.5	800.7	690.7	109.92	7.284	
16,720.0	10,394.8	16,135.2	9,602.3	54.1	58.0	-0.71	6,575.7	380.8	800.4	690.1	110.22	7.262	
16,800.0	10,395.1	16,222.6	9,604.7	54.6	58.7	-0.87	6,662.9	378.1	798.5	687.1	111.40	7.168	
16,815.0	10,395.2	16,238.1	9,605.2	54.7	58.8	-0.90	6,678.4	377.5	798.1	686.5	111.62	7.150	
16,900.0	10,395.5	16,321.0	9,608.0	55.3	59.5	-1.09	6,761.2	374.4	795.6	682.8	112.87	7.049	
16,910.0	10,395.5	16,331.2	9,608.3	55.4	59.6	-1.11	6,771.5	374.1	795.3	682.3	113.02	7.037	
17,000.0	10,395.9	16,402.4	9,609.6	56.1	60.2	-1.26	6,842.5	371.5	794.1	679.7	114.32	6.946	
17,004.6	10,395.9	16,406.0	9,609.6	56.1	60.3	-1.27	6,846.2	371.4	794.0	679.7	114.39	6.942	
17,005.0	10,395.9	16,416.0	9,609.7	56.1	60.3	-1.29	6,856.2	371.1	794.1	679.7	114.42	6.941	
17,015.6	10,395.9	16,416.0	9,609.7	56.2	60.3	-1.29	6,856.2	371.1	794.0	679.5	114.55	6.932	
17,100.0	10,396.2	16,479.2	9,609.1	56.8	60.9	-1.41	6,919.4	369.0	795.2	679.5	115.69	6.874	
17,195.0	10,396.6	16,564.7	9,606.3	57.5	61.6	-1.57	7,004.7	366.0	798.7	681.6	117.03	6.825	
17,200.0	10,396.6	16,569.7	9,606.1	57.5	61.6	-1.58	7,009.7	365.8	798.9	681.8	117.10	6.822 SF	
17,290.0	10,397.0	16,584.0	9,605.7	58.1	61.8	-1.61	7,024.0	365.3	805.9	688.6	117.34	6.868	
17,300.0	10,397.0	16,584.0	9,605.7	58.2	61.8	-1.61	7,024.0	365.3	807.3	690.0	117.27	6.884	
17,385.0	10,397.3	16,584.0	9,605.7	58.8	61.8	-1.61	7,024.0	365.3	823.8	707.7	116.12	7.095	
17,400.0	10,397.4	16,584.0	9,605.7	58.9	61.8	-1.61	7,024.0	365.3	827.6	711.8	115.81	7.147	
17,480.0	10,397.7	16,584.0	9,605.7	59.5	61.8	-1.61	7,024.0	365.3	852.1	738.4	113.71	7.494	
17,500.0	10,397.8	16,584.0	9,605.7	59.6	61.8	-1.61	7,024.0	365.3	859.2	746.2	113.08	7.599	
17,575.0	10,398.0	16,584.0	9,605.7	60.2	61.8	-1.61	7,024.0	365.3	889.6	779.2	110.43	8.056	
17,600.0	10,398.1	16,584.0	9,605.7	60.4	61.8	-1.61	7,024.0	365.3	900.9	791.4	109.47	8.230	
17,670.0	10,398.4	16,584.0	9,605.7	60.9	61.8	-1.61	7,024.0	365.3	935.3	828.7	106.61	8.773	
17,700.0	10,398.5	16,584.0	9,605.7	61.1	61.8	-1.61	7,024.0	365.3	951.3	845.9	105.34	9.030	
17,765.0	10,398.7	16,584.0	9,605.7	61.6	61.8	-1.61	7,024.0	365.3	988.1	885.5	102.54	9.636	
17,800.0	10,398.9	16,584.0	9,605.7	61.8	61.8	-1.61	7,024.0	365.3	1,009.1	908.1	101.02	9.989	
17,860.0	10,399.1	16,584.0	9,605.7	62.2	61.8	-1.61	7,024.0	365.3	1,046.8	948.4	98.42	10.636	
17,900.0	10,399.3	16,584.0	9,605.7	62.5	61.8	-1.61	7,024.0	365.3	1,073.1	976.4	96.72	11.095	
17,955.0	10,399.5	16,584.0	9,605.7	62.9	61.8	-1.61	7,024.0	365.3	1,110.6	1,016.2	94.42	11.762	
18,000.0	10,399.6	16,584.0	9,605.7	63.3	61.8	-1.61	7,024.0	365.3	1,142.3	1,049.7	92.59	12.337	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #701H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 8954-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,046.6	10,399.8	16,584.0	9,605.7	63.6	61.8	-1.61	7,024.0	365.3	1,176.1	1,085.3	90.75	12.960	
18,050.0	10,399.8	16,584.0	9,605.7	63.6	61.8	-1.61	7,024.0	365.3	1,178.6	1,087.9	90.62	13.006	
18,096.7	10,400.0	16,584.0	9,605.7	64.0	61.8	-1.61	7,024.0	365.3	1,213.3	1,124.5	88.84	13.657	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	9.0	9.0	3.0	3.0	-90.26	-2.0	-444.9	445.0				
95.0	95.0	107.7	107.7	3.0	3.0	-90.30	-2.3	-444.4	444.5	438.4	6.02	73.770	
100.0	100.0	112.9	112.9	3.0	3.0	-90.30	-2.3	-444.4	444.4	438.4	6.03	73.717	
190.0	190.0	203.6	203.6	3.1	3.0	-90.37	-2.8	-443.4	443.4	437.3	6.14	72.233	
200.0	200.0	213.7	213.6	3.2	3.0	-90.37	-2.9	-443.3	443.3	437.1	6.16	72.014	
285.0	285.0	298.3	298.3	3.3	3.0	-90.43	-3.3	-442.3	442.4	436.1	6.26	70.640	
300.0	300.0	313.0	313.0	3.3	3.0	-90.45	-3.4	-442.2	442.2	435.9	6.28	70.377	
380.0	380.0	389.3	389.2	3.4	3.0	-90.56	-4.3	-441.7	441.7	435.3	6.38	69.231	
388.0	388.0	396.6	396.6	3.4	3.0	-90.58	-4.5	-441.7	441.7	435.3	6.39	69.122	
400.0	400.0	408.2	408.2	3.4	3.0	-90.60	-4.7	-441.7	441.7	435.3	6.41	68.959	
475.0	475.0	482.5	482.5	3.5	3.0	-90.78	-6.0	-441.7	441.8	435.3	6.49	68.065	
500.0	500.0	505.5	505.4	3.5	3.0	-90.81	-6.3	-441.8	441.9	435.4	6.52	67.779	
570.0	570.0	571.3	571.3	3.6	3.0	-90.84	-6.5	-442.6	442.7	436.1	6.59	67.151	
600.0	600.0	600.0	599.9	3.6	3.0	-90.81	-6.3	-443.2	443.3	436.7	6.63	66.901	
665.0	665.0	662.1	662.0	3.7	3.0	-90.73	-5.7	-444.7	444.9	438.2	6.69	66.449	
700.0	700.0	697.1	697.0	3.8	3.0	-90.69	-5.3	-445.6	445.8	439.0	6.73	66.198	
760.0	760.0	761.5	761.4	3.8	3.1	-90.63	-4.9	-447.0	447.1	440.3	6.80	65.736	
800.0	800.0	803.4	803.3	3.9	3.1	-90.63	-4.9	-447.6	447.6	440.8	6.85	65.370	
855.0	855.0	858.9	858.8	4.0	3.1	-90.65	-5.1	-448.2	448.3	441.3	6.91	64.879	
900.0	900.0	905.0	904.9	4.0	3.1	-90.68	-5.3	-448.6	448.7	441.7	6.96	64.449	
950.0	950.0	956.3	956.2	4.1	3.1	-90.72	-5.6	-449.0	449.0	442.0	7.02	63.972	
1,000.0	1,000.0	1,006.7	1,006.6	4.1	3.1	-90.76	-5.9	-449.2	449.2	442.2	7.08	63.482	
1,045.0	1,045.0	1,054.9	1,054.7	4.2	3.1	-90.77	-6.1	-449.3	449.4	442.2	7.13	63.051	
1,100.0	1,100.0	1,115.6	1,115.5	4.3	3.1	-90.63	-5.0	-448.7	448.7	441.6	7.19	62.451	
1,140.0	1,140.0	1,156.2	1,156.1	4.3	3.1	-90.52	-4.1	-448.0	448.1	440.9	7.23	62.004	
1,200.0	1,200.0	1,217.1	1,216.9	4.4	3.1	-90.34	-2.7	-446.9	447.0	439.7	7.29	61.317	
1,235.0	1,235.0	1,252.5	1,252.3	4.4	3.1	-90.24	-1.9	-446.3	446.4	439.0	7.33	60.921	
1,300.0	1,300.0	1,319.4	1,319.2	4.5	3.1	-90.07	-0.5	-444.8	445.0	437.6	7.40	60.161	
1,330.0	1,330.0	1,350.9	1,350.6	4.5	3.1	-90.00	0.0	-444.0	444.2	436.8	7.43	59.804	
1,400.0	1,400.0	1,422.3	1,422.0	4.6	3.1	-89.86	1.1	-442.0	442.2	434.7	7.50	58.929	
1,425.0	1,425.0	1,447.0	1,446.7	4.6	3.2	-89.81	1.5	-441.2	441.4	433.9	7.53	58.617	
1,500.0	1,500.0	1,520.6	1,520.2	4.7	3.2	-89.43	4.4	-439.2	439.4	431.8	7.61	57.713	
1,520.0	1,520.0	1,540.4	1,540.0	4.7	3.2	-175.10	5.4	-438.7	438.9	431.3	7.66	57.329	
1,579.0	1,579.0	1,600.3	1,599.8	4.8	3.2	-174.74	8.2	-437.1	438.4	430.6	7.78	56.319	CC, ES
1,600.0	1,600.0	1,620.8	1,620.3	4.8	3.2	-174.62	9.2	-436.5	438.5	430.7	7.83	55.995	
1,615.0	1,615.0	1,635.6	1,635.1	4.8	3.2	-174.53	9.9	-436.1	438.7	430.8	7.88	55.694	
1,700.0	1,699.8	1,711.9	1,711.2	5.0	3.2	-174.07	13.8	-434.5	441.7	433.5	8.14	54.280	
1,710.0	1,709.8	1,720.7	1,720.0	5.0	3.2	-174.00	14.3	-434.5	442.3	434.2	8.17	54.153	
1,800.0	1,799.5	1,810.0	1,809.1	5.2	3.3	-173.36	20.0	-434.1	450.1	441.7	8.46	53.231	
1,805.0	1,804.4	1,815.1	1,814.3	5.2	3.3	-173.32	20.4	-434.0	450.6	442.2	8.47	53.216	
1,875.0	1,873.9	1,887.9	1,886.8	5.4	3.3	-172.81	25.3	-433.4	458.4	449.8	8.64	53.081	
1,900.0	1,898.7	1,913.7	1,912.6	5.4	3.3	-172.64	27.1	-433.0	461.4	452.7	8.68	53.182	
1,995.0	1,992.9	2,018.9	2,017.6	5.6	3.3	-172.08	33.2	-430.2	471.5	462.6	8.94	52.757	
2,000.0	1,997.9	2,024.3	2,023.0	5.7	3.3	-172.07	33.4	-430.0	472.0	463.0	8.95	52.726	
2,090.0	2,087.1	2,105.1	2,103.7	5.9	3.4	-171.99	35.4	-427.6	481.1	471.9	9.22	52.175	
2,100.0	2,097.0	2,114.1	2,112.7	5.9	3.4	-172.01	35.4	-427.4	482.2	473.0	9.25	52.127	
2,185.0	2,181.3	2,207.5	2,206.0	6.2	3.4	-172.27	34.8	-425.7	491.6	482.1	9.53	51.583	
2,200.0	2,196.1	2,225.4	2,223.9	6.2	3.4	-172.31	34.6	-425.0	493.0	483.5	9.58	51.458	
2,280.0	2,275.5	2,318.1	2,316.4	6.4	3.5	-172.72	32.4	-420.3	499.2	489.4	9.86	50.625	
2,300.0	2,295.3	2,341.0	2,339.3	6.5	3.5	-172.87	31.4	-418.8	500.5	490.5	9.93	50.390	
2,375.0	2,369.7	2,423.5	2,421.5	6.7	3.5	-173.42	27.6	-412.2	504.1	493.9	10.21	49.389	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,394.4	2,446.4	2,444.3	6.8	3.5	-173.58	26.5	-410.4	505.2	494.9	10.30	49.058	
2,470.0	2,463.8	2,495.9	2,493.6	7.0	3.5	-174.01	23.2	-407.3	509.9	499.4	10.56	48.308	
2,500.0	2,493.6	2,520.6	2,518.2	7.1	3.5	-174.28	21.1	-406.5	512.8	502.1	10.66	48.081	
2,565.0	2,558.0	2,575.0	2,572.3	7.4	3.6	-174.88	16.4	-405.3	519.6	508.7	10.90	47.665	
2,600.0	2,592.7	2,600.0	2,597.2	7.5	3.6	-175.15	14.2	-405.2	524.1	513.0	11.02	47.543	
2,660.0	2,652.2	2,646.9	2,644.0	7.7	3.6	-175.61	10.5	-406.2	533.1	521.9	11.23	47.472	
2,700.0	2,691.9	2,679.7	2,676.7	7.8	3.6	-175.90	8.2	-407.5	539.8	528.4	11.37	47.484	
2,755.0	2,746.4	2,718.8	2,715.7	8.0	3.6	-176.14	6.3	-409.7	550.1	538.6	11.55	47.650	
2,800.0	2,791.0	2,757.4	2,754.1	8.2	3.6	-176.30	5.1	-412.7	559.5	547.8	11.70	47.821	
2,850.0	2,840.6	2,806.6	2,803.1	8.3	3.6	-176.48	3.7	-416.7	570.0	558.1	11.89	47.954	
2,900.0	2,890.2	2,854.4	2,850.7	8.5	3.6	-176.65	2.4	-420.6	580.5	568.4	12.07	48.093	
2,945.0	2,934.8	2,900.0	2,896.2	8.7	3.6	-176.79	1.2	-424.2	589.9	577.7	12.25	48.175	
3,000.0	2,989.3	2,953.7	2,949.7	8.9	3.6	-176.96	-0.2	-428.5	601.4	589.0	12.46	48.280	
3,040.0	3,029.0	2,992.2	2,988.1	9.0	3.7	-177.08	-1.2	-431.5	609.8	597.2	12.61	48.350	
3,100.0	3,088.5	3,052.5	3,048.1	9.3	3.7	-177.26	-2.9	-436.3	622.3	609.5	12.85	48.423	
3,135.0	3,123.2	3,087.7	3,083.3	9.4	3.7	-177.37	-3.9	-439.0	629.6	616.6	12.99	48.453	
3,200.0	3,187.6	3,177.0	3,172.3	9.6	3.7	-177.80	-8.3	-443.8	641.5	628.2	13.31	48.191	
3,230.0	3,217.3	3,228.5	3,223.7	9.8	3.7	-178.14	-11.8	-444.9	646.3	632.8	13.48	47.955	
3,300.0	3,286.7	3,302.1	3,297.1	10.0	3.8	-178.65	-17.3	-444.6	655.4	641.6	13.78	47.560	
3,325.0	3,311.5	3,327.7	3,322.5	10.1	3.8	-178.83	-19.2	-444.4	658.6	644.7	13.89	47.420	
3,400.0	3,385.9	3,401.1	3,395.8	10.4	3.8	-179.31	-24.6	-443.9	668.1	653.9	14.21	47.023	
3,420.0	3,405.7	3,420.3	3,414.9	10.5	3.8	-179.43	-25.9	-443.7	670.6	656.4	14.29	46.924	
3,500.0	3,485.0	3,498.2	3,492.7	10.8	3.9	-179.85	-30.7	-443.5	681.1	666.5	14.63	46.543	
3,515.0	3,499.9	3,513.1	3,507.6	10.8	3.9	-179.92	-31.6	-443.4	683.1	668.4	14.70	46.472	
3,600.0	3,584.2	3,598.2	3,592.5	11.2	3.9	179.71	-36.0	-443.1	694.3	679.2	15.07	46.071	
3,610.0	3,594.1	3,608.2	3,602.6	11.2	3.9	179.67	-36.5	-443.1	695.6	680.5	15.11	46.024	
3,700.0	3,683.3	3,702.1	3,696.3	11.6	4.0	179.25	-41.7	-442.6	707.2	691.7	15.51	45.582	
3,705.0	3,688.3	3,707.0	3,701.2	11.6	4.0	179.23	-42.0	-442.5	707.8	692.3	15.54	45.559	
3,800.0	3,782.5	3,800.9	3,794.7	12.0	4.1	178.64	-49.4	-441.3	719.7	703.8	15.95	45.114	
3,895.0	3,876.6	3,894.8	3,888.4	12.3	4.1	178.05	-57.1	-440.1	731.7	715.3	16.37	44.688	
3,900.0	3,881.6	3,899.7	3,893.3	12.4	4.1	178.02	-57.5	-440.0	732.3	715.9	16.40	44.666	
3,990.0	3,970.8	3,989.2	3,982.4	12.7	4.2	177.48	-64.8	-438.9	743.7	726.9	16.80	44.280	
4,000.0	3,980.8	3,999.0	3,992.2	12.8	4.2	177.42	-65.6	-438.7	745.0	728.1	16.84	44.239	
4,085.0	4,065.0	4,083.6	4,076.6	13.1	4.3	176.94	-72.3	-437.6	755.7	738.5	17.22	43.887	
4,100.0	4,079.9	4,098.4	4,091.3	13.2	4.3	176.86	-73.4	-437.4	757.6	740.3	17.29	43.828	
4,180.0	4,159.2	4,177.2	4,169.8	13.5	4.3	176.41	-79.8	-436.2	767.7	750.1	17.64	43.514	
4,200.0	4,179.0	4,194.0	4,186.6	13.6	4.3	176.30	-81.4	-436.0	770.3	752.6	17.73	43.456	
4,275.0	4,253.4	4,264.0	4,256.2	13.9	4.4	175.82	-88.5	-435.4	780.5	762.4	18.05	43.233	
4,300.0	4,278.2	4,289.9	4,281.9	14.0	4.4	175.64	-91.1	-435.1	783.9	765.7	18.17	43.150	
4,370.0	4,347.6	4,359.2	4,350.9	14.2	4.5	175.18	-98.1	-434.5	793.5	775.0	18.48	42.935	
4,400.0	4,377.3	4,388.9	4,380.4	14.4	4.5	174.99	-101.1	-434.3	797.6	779.0	18.62	42.845	
4,465.0	4,441.8	4,450.0	4,441.2	14.6	4.5	174.60	-107.2	-433.8	806.6	787.7	18.90	42.674	
4,500.0	4,476.5	4,479.4	4,470.5	14.8	4.6	174.41	-110.2	-433.6	811.6	792.5	19.04	42.613	
4,560.0	4,536.0	4,527.9	4,518.7	15.0	4.6	174.09	-115.6	-434.0	821.0	801.7	19.29	42.565	
4,600.0	4,575.6	4,566.5	4,557.0	15.2	4.6	173.83	-119.9	-434.5	827.4	808.0	19.46	42.511	
4,653.0	4,628.2	4,618.2	4,608.4	15.4	4.7	173.50	-125.7	-435.3	836.1	816.4	19.69	42.471	
4,655.0	4,630.1	4,620.5	4,610.7	15.4	4.7	173.48	-125.9	-435.3	836.4	816.7	19.70	42.468	
4,700.0	4,674.8	4,665.9	4,655.9	15.6	4.7	173.22	-130.6	-435.9	843.6	823.7	19.89	42.418	
4,750.0	4,724.4	4,716.2	4,705.9	15.8	4.8	172.95	-135.7	-436.6	851.0	830.9	20.11	42.321	
4,800.0	4,774.1	4,767.1	4,756.5	16.0	4.8	172.67	-140.8	-437.2	858.0	837.7	20.33	42.200	
4,845.0	4,818.9	4,813.3	4,802.5	16.1	4.8	172.42	-145.4	-437.6	863.8	843.3	20.53	42.080	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,873.7	4,866.9	4,855.8	16.3	4.9	172.14	-150.7	-438.1	870.5	849.7	20.76	41.929	
4,940.0	4,913.5	4,908.3	4,897.0	16.5	4.9	171.93	-154.7	-438.5	875.0	854.1	20.93	41.806	
5,000.0	4,973.4	4,970.8	4,959.3	16.7	5.0	171.62	-160.5	-439.0	881.1	860.0	21.19	41.592	
5,035.0	5,008.3	5,007.4	4,995.7	16.8	5.0	171.44	-163.7	-439.2	884.3	863.0	21.33	41.464	
5,100.0	5,073.2	5,073.3	5,061.3	17.1	5.1	171.12	-169.5	-439.5	889.6	868.0	21.59	41.211	
5,130.0	5,103.1	5,103.4	5,091.4	17.2	5.1	170.98	-172.1	-439.6	891.8	870.1	21.70	41.099	
5,200.0	5,173.1	5,174.5	5,162.2	17.4	5.2	170.66	-177.9	-439.7	896.2	874.2	21.96	40.806	
5,225.0	5,198.1	5,201.4	5,189.0	17.5	5.2	170.54	-180.0	-439.8	897.5	875.5	22.05	40.701	
5,300.0	5,273.0	5,273.5	5,260.9	17.7	5.3	170.24	-185.3	-440.1	900.9	878.6	22.30	40.405	
5,320.0	5,293.0	5,294.1	5,281.5	17.7	5.3	170.16	-186.7	-440.2	901.7	879.4	22.34	40.362	
5,403.0	5,376.0	5,378.6	5,365.8	17.8	5.4	-104.38	-192.5	-440.6	904.1	881.6	22.52	40.152	
5,415.0	5,388.0	5,391.2	5,378.3	17.9	5.4	-104.43	-193.3	-440.7	904.3	881.8	22.53	40.142	
5,500.0	5,473.0	5,476.5	5,463.4	17.9	5.5	-104.75	-198.7	-441.0	906.0	883.4	22.61	40.075	
5,510.0	5,483.0	5,486.6	5,473.5	17.9	5.5	-104.79	-199.3	-441.0	906.2	883.6	22.62	40.067	
5,600.0	5,573.0	5,578.1	5,564.9	17.9	5.6	-105.13	-204.9	-441.3	907.9	885.2	22.71	39.986	
5,605.0	5,578.0	5,583.4	5,570.2	17.9	5.6	-105.14	-205.2	-441.4	908.0	885.3	22.71	39.980	
5,700.0	5,673.0	5,680.6	5,667.3	18.0	5.7	-105.47	-210.6	-441.6	909.6	886.7	22.81	39.880	
5,795.0	5,768.0	5,775.0	5,761.5	18.0	5.8	-105.77	-215.7	-441.7	911.1	888.2	22.90	39.788	
5,800.0	5,773.0	5,779.8	5,766.3	18.0	5.8	-105.79	-216.0	-441.7	911.1	888.2	22.90	39.784	
5,890.0	5,863.0	5,863.7	5,850.1	18.1	5.9	-106.00	-219.6	-442.4	913.0	890.0	22.97	39.738	
5,900.0	5,873.0	5,873.9	5,860.3	18.1	5.9	-106.01	-219.9	-442.6	913.2	890.2	22.99	39.730	
5,985.0	5,958.0	5,958.2	5,944.6	18.1	5.9	-106.13	-222.3	-444.0	915.3	892.2	23.07	39.670	
6,000.0	5,973.0	5,973.4	5,959.7	18.1	6.0	-106.15	-222.7	-444.3	915.6	892.6	23.09	39.658	
6,080.0	6,053.0	6,052.3	6,038.6	18.1	6.0	-106.27	-225.0	-445.7	917.6	894.5	23.17	39.604	
6,100.0	6,073.0	6,070.9	6,057.2	18.1	6.1	-106.29	-225.6	-446.0	918.1	895.0	23.19	39.596	
6,175.0	6,148.0	6,147.1	6,133.4	18.2	6.1	-106.41	-227.8	-447.3	920.0	896.7	23.27	39.534	
6,200.0	6,173.0	6,171.3	6,157.5	18.2	6.2	-106.44	-228.5	-447.8	920.6	897.3	23.30	39.519	
6,270.0	6,243.0	6,241.2	6,227.4	18.2	6.2	-106.54	-230.6	-449.1	922.5	899.1	23.37	39.468	
6,300.0	6,273.0	6,271.4	6,257.6	18.2	6.2	-106.58	-231.4	-449.6	923.3	899.8	23.41	39.445	
6,365.0	6,338.0	6,339.0	6,325.1	18.3	6.3	-106.67	-233.3	-450.9	924.9	901.4	23.48	39.390	
6,400.0	6,373.0	6,378.1	6,364.2	18.3	6.3	-106.69	-233.8	-451.6	925.6	902.1	23.52	39.357	
6,460.0	6,433.0	6,445.3	6,431.4	18.3	6.4	-106.63	-233.2	-452.8	926.5	903.0	23.59	39.281	
6,500.0	6,473.0	6,486.3	6,472.4	18.3	6.4	-106.58	-232.5	-453.5	927.0	903.3	23.62	39.246	
6,555.0	6,528.0	6,542.6	6,528.7	18.3	6.4	-106.52	-231.8	-454.2	927.5	903.8	23.66	39.193	
6,600.0	6,573.0	6,586.3	6,572.3	18.4	6.4	-106.49	-231.5	-454.7	927.9	904.2	23.70	39.146	
6,650.0	6,623.0	6,635.5	6,621.6	18.4	6.4	-106.48	-231.4	-455.3	928.4	904.7	23.75	39.092	
6,700.0	6,673.0	6,690.4	6,676.5	18.4	6.5	-106.45	-231.1	-455.9	928.8	905.0	23.82	38.996	
6,745.0	6,718.0	6,741.0	6,727.1	18.4	6.5	-106.41	-230.5	-456.2	929.0	905.1	23.89	38.888	
6,800.0	6,773.0	6,806.1	6,792.1	18.5	6.5	-106.31	-228.8	-456.3	928.6	904.6	23.99	38.706	
6,840.0	6,813.0	6,845.1	6,831.1	18.5	6.6	-106.22	-227.3	-456.2	928.2	904.1	24.05	38.593	
6,900.0	6,873.0	6,899.1	6,885.1	18.5	6.6	-106.09	-225.1	-456.5	927.7	903.6	24.13	38.451	
6,935.0	6,908.0	6,930.9	6,916.9	18.5	6.6	-106.00	-223.8	-456.8	927.7	903.5	24.18	38.369	
6,937.9	6,910.9	6,933.5	6,919.5	18.5	6.7	-106.00	-223.7	-456.8	927.7	903.5	24.18	38.362	
7,000.0	6,973.0	6,990.5	6,976.4	18.5	6.7	-105.86	-221.6	-457.6	927.8	903.6	24.28	38.219	
7,030.0	7,003.0	7,018.9	7,004.8	18.6	6.7	-105.80	-220.7	-458.0	928.1	903.7	24.33	38.148	
7,100.0	7,073.0	7,088.4	7,074.3	18.6	6.8	-105.64	-218.4	-459.2	928.6	904.1	24.46	37.958	
7,125.0	7,098.0	7,112.7	7,098.6	18.6	6.9	-105.58	-217.5	-459.7	928.8	904.3	24.51	37.891	
7,200.0	7,173.0	7,183.4	7,169.2	18.6	7.0	-105.45	-215.7	-461.0	929.6	905.0	24.66	37.704	
7,220.0	7,193.0	7,202.4	7,188.1	18.7	7.0	-105.43	-215.4	-461.4	929.9	905.2	24.70	37.655	
7,300.0	7,273.0	7,279.7	7,265.5	18.7	7.1	-105.37	-214.8	-462.8	931.2	906.3	24.86	37.452	
7,315.0	7,288.0	7,294.3	7,280.0	18.7	7.1	-105.36	-214.8	-463.1	931.4	906.5	24.90	37.414	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,400.0	7,373.0	7,378.6	7,364.3	18.7	7.3	-105.36	-215.1	-464.6	933.0	907.9	25.09	37.186	
7,410.0	7,383.0	7,388.7	7,374.4	18.7	7.3	-105.36	-215.1	-464.8	933.2	908.1	25.11	37.159	
7,500.0	7,473.0	7,486.6	7,472.3	18.8	7.5	-105.38	-215.8	-466.0	934.5	909.1	25.36	36.848	
7,505.0	7,478.0	7,492.1	7,477.8	18.8	7.5	-105.38	-215.9	-466.1	934.5	909.1	25.37	36.829	
7,600.0	7,573.0	7,597.0	7,582.7	18.8	7.7	-105.46	-217.2	-466.1	934.9	909.3	25.65	36.453	
7,695.0	7,668.0	7,698.0	7,683.7	18.9	7.9	-105.58	-219.0	-465.0	934.3	908.4	25.91	36.058	
7,700.0	7,673.0	7,702.8	7,688.5	18.9	7.9	-105.58	-219.0	-465.0	934.3	908.4	25.92	36.039	
7,790.0	7,763.0	7,793.8	7,779.5	18.9	8.1	-105.72	-221.0	-463.9	933.8	907.6	26.17	35.686	
7,800.0	7,773.0	7,805.4	7,791.1	18.9	8.1	-105.74	-221.4	-463.7	933.7	907.5	26.20	35.637	
7,885.0	7,858.0	7,895.8	7,881.3	19.0	8.3	-106.07	-226.1	-460.9	932.3	905.9	26.45	35.252	
7,900.0	7,873.0	7,909.8	7,895.2	19.0	8.3	-106.13	-227.1	-460.4	932.1	905.6	26.48	35.195	
7,980.0	7,953.0	7,977.5	7,962.8	19.0	8.5	-106.45	-231.8	-458.2	931.3	904.7	26.65	34.941	
7,984.1	7,957.1	7,980.5	7,965.7	19.0	8.5	-106.47	-232.0	-458.2	931.3	904.7	26.66	34.931	
8,000.0	7,973.0	7,992.1	7,977.3	19.0	8.5	-106.51	-232.7	-458.0	931.3	904.7	26.69	34.897	
8,075.0	8,048.0	8,048.0	8,033.1	19.1	8.6	-106.67	-235.4	-458.1	932.5	905.7	26.83	34.759	
8,100.0	8,073.0	8,068.2	8,053.3	19.1	8.7	-106.70	-236.1	-458.5	933.2	906.4	26.88	34.713	
8,170.0	8,143.0	8,129.1	8,114.2	19.1	8.8	-106.70	-236.7	-460.6	935.7	908.6	27.06	34.574	
8,200.0	8,173.0	8,167.8	8,152.9	19.1	8.9	-106.64	-236.2	-462.3	936.9	909.7	27.20	34.450	
8,265.0	8,238.0	8,274.7	8,259.6	19.2	9.2	-106.34	-231.7	-464.3	937.1	909.6	27.59	33.968	
8,300.0	8,273.0	8,321.5	8,306.3	19.2	9.3	-106.20	-229.2	-464.0	936.4	908.7	27.76	33.737	
8,360.0	8,333.0	8,384.2	8,368.9	19.2	9.5	-106.04	-226.3	-463.0	934.7	906.7	27.97	33.422	
8,400.0	8,373.0	8,423.8	8,408.5	19.2	9.6	-105.97	-224.7	-462.2	933.5	905.4	28.10	33.226	
8,455.0	8,428.0	8,472.1	8,456.8	19.2	9.7	-105.90	-223.4	-461.3	932.1	903.9	28.25	33.000	
8,500.0	8,473.0	8,511.1	8,495.8	19.3	9.8	-105.89	-223.0	-460.7	931.3	902.9	28.37	32.831	
8,550.0	8,523.0	8,557.9	8,542.6	19.3	9.9	-105.90	-223.0	-460.0	930.6	902.1	28.52	32.636	
8,600.0	8,573.0	8,606.1	8,590.8	19.3	10.0	-105.91	-223.1	-459.5	930.1	901.4	28.67	32.439	
8,645.0	8,618.0	8,650.9	8,635.6	19.3	10.2	-105.93	-223.2	-459.0	929.7	900.8	28.82	32.258	
8,700.0	8,673.0	8,706.3	8,691.0	19.4	10.3	-105.96	-223.5	-458.3	929.1	900.1	29.00	32.034	
8,740.0	8,713.0	8,744.8	8,729.5	19.4	10.4	-105.99	-223.9	-457.8	928.7	899.6	29.13	31.881	
8,800.0	8,773.0	8,801.9	8,786.5	19.4	10.6	-106.03	-224.4	-457.3	928.3	899.0	29.32	31.662	
8,835.0	8,808.0	8,833.0	8,817.7	19.4	10.7	-106.05	-224.7	-457.1	928.2	898.8	29.42	31.548	
8,891.7	8,864.7	8,888.6	8,873.3	19.5	10.8	-106.09	-225.3	-456.8	928.1	898.5	29.61	31.343	
8,900.0	8,873.0	8,896.5	8,881.1	19.5	10.8	-106.10	-225.4	-456.7	928.1	898.4	29.64	31.315	
8,930.0	8,903.0	8,924.7	8,909.4	19.5	10.9	-106.13	-225.8	-456.7	928.1	898.4	29.73	31.217	
9,000.0	8,973.0	8,993.8	8,978.4	19.5	11.1	-106.18	-226.8	-456.7	928.5	898.5	29.97	30.980	
9,025.0	8,998.0	9,050.3	9,034.9	19.5	11.3	-106.11	-225.5	-456.5	928.3	898.1	30.21	30.734	
9,100.0	9,073.0	9,189.9	9,169.0	19.6	11.7	-103.96	-189.3	-454.8	921.0	890.1	30.84	29.864	
9,120.0	9,093.0	9,206.1	9,183.9	19.6	11.7	-103.58	-183.0	-454.9	919.1	888.2	30.89	29.750	
9,200.0	9,173.0	9,302.9	9,271.9	19.6	12.0	-101.10	-142.7	-455.4	911.8	880.5	31.29	29.137	
9,215.0	9,188.0	9,355.0	9,317.3	19.6	12.1	-99.51	-117.1	-454.6	910.0	878.4	31.55	28.841	
9,300.0	9,273.0	9,433.4	9,382.1	19.7	12.3	-96.75	-73.2	-452.6	899.3	867.5	31.80	28.278	
9,310.0	9,283.0	9,441.3	9,388.5	19.7	12.4	-96.46	-68.5	-452.4	898.2	866.4	31.82	28.225	
9,400.0	9,373.0	9,519.7	9,448.5	19.7	12.6	-93.24	-18.2	-451.1	890.0	857.9	32.03	27.786	
9,405.0	9,378.0	9,524.0	9,451.6	19.7	12.6	-93.05	-15.2	-451.0	889.6	857.6	32.04	27.766	
9,500.0	9,473.0	9,594.7	9,497.6	19.8	12.7	-89.58	38.4	-450.0	885.1	852.9	32.15	27.525	
9,522.2	9,495.2	9,605.5	9,503.8	19.8	12.8	-89.01	47.2	-449.8	884.9	852.7	32.16	27.515	
9,595.0	9,568.0	9,632.7	9,518.2	19.8	12.8	-87.51	70.3	-449.5	887.2	855.1	32.17	27.582	
9,600.0	9,573.0	9,634.4	9,519.0	19.8	12.8	-87.42	71.8	-449.5	887.6	855.4	32.17	27.592	
9,690.0	9,663.0	9,661.2	9,531.5	19.9	12.9	-85.89	95.5	-449.5	897.8	865.5	32.22	27.866	
9,700.0	9,673.0	9,664.1	9,532.8	19.9	12.9	-85.73	98.0	-449.6	899.4	867.1	32.23	27.907	
9,785.0	9,758.0	9,694.0	9,546.0	19.9	12.9	-84.00	124.9	-450.1	916.8	884.5	32.34	28.346	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.0	9,773.0	9,694.0	9,546.0	19.9	12.9	-84.00	124.9	-450.1	920.6	888.2	32.37	28.439	
9,880.0	9,853.0	9,712.8	9,554.0	20.0	12.9	-82.92	141.9	-450.6	943.9	911.4	32.54	29.004	
9,900.0	9,873.0	9,718.2	9,556.2	20.0	12.9	-82.61	146.8	-450.8	950.6	918.0	32.60	29.163	
9,921.5	9,894.5	9,723.9	9,558.6	20.0	13.0	-82.28	152.0	-451.0	958.2	925.6	32.55	29.435	
9,925.0	9,898.0	9,724.8	9,559.0	20.0	13.0	-81.68	152.9	-451.1	959.4	926.9	32.56	29.467	
9,950.0	9,923.0	9,731.9	9,561.9	20.0	13.0	-80.12	159.3	-451.4	968.6	936.0	32.62	29.694	
9,975.0	9,947.9	9,742.0	9,566.1	20.0	13.0	-78.37	168.5	-451.8	978.0	945.4	32.68	29.924	
10,000.0	9,972.7	9,742.0	9,566.1	20.0	13.0	-77.14	168.5	-451.8	987.7	954.9	32.76	30.147	
10,025.0	9,997.2	9,742.0	9,566.1	20.0	13.0	-75.88	168.5	-451.8	997.6	964.8	32.85	30.370	
10,050.0	10,021.5	9,760.8	9,573.5	20.0	13.0	-73.73	185.7	-452.8	1,007.4	974.5	32.93	30.595	
10,070.0	10,040.6	9,766.9	9,575.8	20.0	13.0	-72.45	191.3	-453.1	1,015.4	982.4	33.00	30.770	
10,075.0	10,045.4	9,768.4	9,576.4	20.0	13.0	-72.13	192.7	-453.2	1,017.4	984.4	33.02	30.813	
10,100.0	10,068.9	9,776.2	9,579.3	20.0	13.0	-70.56	200.0	-453.7	1,027.5	994.4	33.12	31.027	
10,125.0	10,091.9	9,789.0	9,583.8	20.0	13.0	-68.83	211.9	-454.5	1,037.5	1,004.3	33.21	31.240	
10,150.0	10,114.4	9,789.0	9,583.8	20.0	13.0	-67.62	211.9	-454.5	1,047.5	1,014.1	33.32	31.435	
10,165.0	10,127.6	9,789.0	9,583.8	20.0	13.0	-66.90	211.9	-454.5	1,053.4	1,020.1	33.39	31.552	
10,175.0	10,136.3	9,789.0	9,583.8	20.0	13.0	-66.42	211.9	-454.5	1,057.4	1,024.0	33.43	31.630	
10,200.0	10,157.5	9,808.6	9,590.1	20.0	13.1	-64.62	230.4	-455.8	1,067.0	1,033.5	33.53	31.822	
10,225.0	10,178.0	9,816.7	9,592.4	20.0	13.1	-63.25	238.2	-456.3	1,076.6	1,042.9	33.64	32.003	
10,250.0	10,197.7	9,836.0	9,597.2	20.0	13.1	-61.62	256.8	-457.4	1,086.1	1,052.3	33.74	32.186	
10,260.0	10,205.4	9,836.0	9,597.2	20.0	13.1	-61.21	256.8	-457.4	1,089.7	1,055.9	33.79	32.249	
10,275.0	10,216.6	9,836.0	9,597.2	20.0	13.1	-60.61	256.8	-457.4	1,095.1	1,061.2	33.86	32.344	
10,300.0	10,234.6	9,836.0	9,597.2	20.0	13.1	-59.62	256.8	-457.4	1,104.0	1,070.0	33.97	32.500	
10,325.0	10,251.7	9,850.8	9,600.1	20.0	13.1	-58.32	271.3	-458.1	1,112.5	1,078.4	34.07	32.650	
10,350.0	10,267.8	9,859.7	9,601.6	20.1	13.2	-57.23	280.1	-458.5	1,120.8	1,086.6	34.18	32.790	
10,355.0	10,270.9	9,861.5	9,601.9	20.1	13.2	-57.02	281.9	-458.6	1,122.4	1,088.2	34.20	32.817	
10,375.0	10,282.9	9,868.7	9,602.8	20.1	13.2	-56.21	289.0	-458.8	1,128.7	1,094.4	34.28	32.922	
10,400.0	10,296.9	9,883.0	9,604.4	20.1	13.2	-55.15	303.2	-459.3	1,136.3	1,101.9	34.39	33.042	
10,425.0	10,309.8	9,883.0	9,604.4	20.1	13.2	-54.42	303.2	-459.3	1,143.4	1,108.9	34.48	33.159	
10,450.0	10,321.5	9,905.8	9,606.1	20.1	13.3	-53.37	326.0	-459.8	1,150.0	1,115.4	34.59	33.247	
10,475.0	10,332.1	9,922.3	9,607.2	20.1	13.3	-52.54	342.4	-460.2	1,156.0	1,121.4	34.69	33.325	
10,500.0	10,341.5	9,941.0	9,608.2	20.1	13.4	-51.77	361.1	-460.5	1,161.5	1,126.7	34.79	33.383	
10,525.0	10,349.7	9,962.4	9,609.2	20.2	13.5	-51.10	382.4	-461.0	1,166.2	1,131.3	34.90	33.418	
10,545.0	10,355.3	9,979.7	9,610.1	20.2	13.5	-50.64	399.7	-461.4	1,169.5	1,134.5	34.98	33.432	
10,550.0	10,356.6	9,984.0	9,610.3	20.2	13.5	-50.54	404.0	-461.5	1,170.2	1,135.2	35.00	33.433	
10,575.0	10,362.3	10,005.9	9,611.4	20.2	13.6	-50.10	425.8	-462.1	1,173.5	1,138.4	35.10	33.430	
10,600.0	10,366.7	10,028.2	9,612.5	20.2	13.7	-49.78	448.1	-462.7	1,176.0	1,140.8	35.20	33.405	
10,625.0	10,369.7	10,052.9	9,613.6	20.3	13.8	-49.57	472.8	-463.4	1,177.6	1,142.3	35.31	33.350	
10,640.0	10,371.0	10,067.8	9,614.1	20.3	13.8	-49.50	487.7	-463.7	1,178.2	1,142.8	35.38	33.306	
10,650.0	10,371.5	10,077.8	9,614.4	20.3	13.9	-49.48	497.7	-463.9	1,178.4	1,143.0	35.42	33.273	
10,669.7	10,372.0	10,097.4	9,615.0	20.3	13.9	-49.48	517.2	-464.1	1,178.5	1,143.0	35.50	33.197	
10,700.0	10,372.1	10,121.0	9,615.5	20.4	14.0	-49.50	540.8	-464.3	1,178.2	1,142.6	35.62	33.081	
10,735.0	10,372.2	10,151.0	9,616.0	20.4	14.1	-49.51	570.9	-464.6	1,178.0	1,142.2	35.77	32.929	
10,739.1	10,372.3	10,154.0	9,616.0	20.4	14.1	-49.51	573.8	-464.6	1,178.0	1,142.2	35.79	32.913	
10,800.0	10,372.5	10,198.0	9,616.2	20.5	14.3	-49.53	617.8	-465.4	1,178.4	1,142.4	36.05	32.691	
10,830.0	10,372.6	10,217.0	9,616.1	20.6	14.4	-49.53	636.8	-465.8	1,179.0	1,142.8	36.17	32.591	
10,900.0	10,372.9	10,284.7	9,616.5	20.7	14.7	-49.60	704.5	-468.4	1,180.6	1,144.0	36.55	32.304	
10,925.0	10,373.0	10,307.6	9,616.9	20.8	14.8	-49.65	727.4	-469.6	1,181.2	1,144.6	36.68	32.203	
11,000.0	10,373.2	10,421.4	9,618.7	21.0	15.3	-49.79	841.1	-473.3	1,182.2	1,144.9	37.24	31.744	
11,020.0	10,373.3	10,441.0	9,619.0	21.0	15.4	-49.80	860.6	-473.6	1,182.1	1,144.7	37.38	31.627	
11,100.0	10,373.6	10,528.9	9,620.3	21.2	15.9	-49.83	948.5	-473.9	1,181.3	1,143.4	37.94	31.139	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,115.0	10,373.7	10,543.6	9,620.5	21.3	15.9	-49.83	963.2	-473.8	1,181.1	1,143.1	38.04	31.047	
11,200.0	10,374.0	10,766.8	9,629.2	21.5	17.2	-49.68	1,185.6	-461.5	1,175.1	1,136.1	39.03	30.105	
11,210.0	10,374.0	10,776.7	9,629.9	21.5	17.2	-49.68	1,195.4	-460.5	1,173.8	1,134.7	39.11	30.011	
11,300.0	10,374.4	10,835.5	9,634.6	21.8	17.6	-49.65	1,253.8	-454.8	1,162.7	1,123.0	39.78	29.228	
11,305.0	10,374.4	10,837.8	9,634.7	21.8	17.6	-49.65	1,256.1	-454.6	1,162.2	1,122.4	39.82	29.189	
11,400.0	10,374.8	10,881.0	9,636.2	22.1	17.8	-49.59	1,299.2	-451.6	1,154.8	1,114.3	40.48	28.528	
11,495.0	10,375.1	10,950.1	9,636.2	22.4	18.3	-49.45	1,368.1	-447.8	1,150.5	1,109.3	41.23	27.903	
11,500.0	10,375.1	10,953.7	9,636.2	22.4	18.3	-49.44	1,371.7	-447.6	1,150.4	1,109.1	41.27	27.872	
11,590.0	10,375.5	11,024.4	9,635.1	22.8	18.7	-49.28	1,442.4	-444.8	1,148.3	1,106.3	42.03	27.323	
11,600.0	10,375.5	11,032.7	9,635.1	22.8	18.8	-49.27	1,450.6	-444.7	1,148.2	1,106.1	42.11	27.265	
11,671.3	10,375.8	11,088.2	9,636.0	23.1	19.1	-49.30	1,506.1	-445.1	1,147.6	1,104.9	42.72	26.867	
11,685.0	10,375.8	11,097.7	9,636.2	23.1	19.2	-49.31	1,515.7	-445.3	1,147.7	1,104.8	42.83	26.798	
11,700.0	10,375.9	11,108.2	9,636.3	23.2	19.3	-49.32	1,526.2	-445.5	1,147.7	1,104.8	42.95	26.724	
11,780.0	10,376.2	11,166.0	9,636.3	23.5	19.7	-49.35	1,583.9	-447.1	1,149.2	1,105.6	43.62	26.348	
11,800.0	10,376.3	11,180.2	9,636.1	23.6	19.7	-49.35	1,598.1	-447.6	1,149.8	1,106.0	43.78	26.261	
11,875.0	10,376.5	11,241.6	9,635.6	23.9	20.2	-49.40	1,659.4	-450.4	1,152.6	1,108.2	44.46	25.926	
11,900.0	10,376.6	11,262.6	9,635.5	24.0	20.3	-49.43	1,680.4	-451.7	1,153.8	1,109.1	44.69	25.819	
11,970.0	10,376.9	11,353.8	9,635.4	24.3	20.9	-49.55	1,771.5	-456.4	1,156.4	1,110.9	45.53	25.398	
12,000.0	10,377.0	11,386.1	9,635.4	24.5	21.1	-49.58	1,803.8	-457.7	1,157.2	1,111.4	45.86	25.234	
12,065.0	10,377.3	11,450.0	9,635.2	24.7	21.6	-49.61	1,867.6	-459.8	1,158.9	1,112.3	46.55	24.896	
12,100.0	10,377.4	11,482.7	9,635.0	24.9	21.8	-49.63	1,900.3	-461.0	1,159.8	1,112.9	46.91	24.722	
12,160.0	10,377.6	11,531.9	9,634.8	25.2	22.2	-49.68	1,949.4	-463.2	1,161.9	1,114.4	47.51	24.457	
12,200.0	10,377.8	11,586.1	9,635.0	25.4	22.5	-49.76	2,003.6	-466.0	1,163.3	1,115.3	48.03	24.218	
12,255.0	10,378.0	11,671.3	9,637.3	25.6	23.1	-49.93	2,088.7	-469.7	1,164.0	1,115.2	48.82	23.840	
12,300.0	10,378.1	11,733.7	9,639.1	25.9	23.6	-50.01	2,151.0	-470.9	1,163.7	1,114.3	49.43	23.544	
12,350.0	10,378.3	11,792.8	9,641.1	26.1	24.0	-50.08	2,210.1	-471.4	1,162.8	1,112.7	50.05	23.231	
12,400.0	10,378.5	11,842.3	9,643.5	26.3	24.4	-50.18	2,259.6	-472.0	1,161.6	1,110.9	50.63	22.941	
12,445.0	10,378.7	11,874.2	9,644.5	26.6	24.6	-50.21	2,291.4	-472.3	1,160.9	1,109.8	51.10	22.718	
12,500.0	10,378.9	11,923.0	9,644.6	26.9	25.0	-50.21	2,340.2	-472.5	1,160.7	1,109.0	51.72	22.443	
12,505.6	10,378.9	11,923.0	9,644.6	26.9	25.0	-50.21	2,340.2	-472.5	1,160.7	1,109.0	51.76	22.427	
12,540.0	10,379.1	11,942.4	9,644.2	27.1	25.1	-50.18	2,359.6	-472.5	1,161.0	1,108.9	52.08	22.291	
12,600.0	10,379.3	11,986.9	9,642.4	27.4	25.5	-50.09	2,404.0	-472.2	1,162.2	1,109.5	52.71	22.047	
12,635.0	10,379.4	12,018.0	9,640.4	27.6	25.7	-50.00	2,435.1	-472.0	1,163.3	1,110.2	53.12	21.900	
12,700.0	10,379.7	12,088.9	9,636.2	27.9	26.2	-49.80	2,505.9	-471.5	1,165.3	1,111.3	53.96	21.596	
12,730.0	10,379.8	12,126.3	9,634.8	28.1	26.5	-49.73	2,543.3	-471.5	1,165.9	1,111.5	54.38	21.440	
12,800.0	10,380.0	12,216.3	9,633.5	28.4	27.2	-49.66	2,633.2	-471.8	1,166.6	1,111.2	55.37	21.068	
12,825.0	10,380.1	12,236.7	9,633.5	28.6	27.4	-49.66	2,653.6	-472.0	1,166.7	1,111.1	55.66	20.961	
12,900.0	10,380.4	12,303.0	9,633.9	29.0	27.9	-49.70	2,719.9	-473.4	1,167.3	1,110.8	56.55	20.641	
12,920.0	10,380.5	12,320.0	9,634.1	29.1	28.0	-49.71	2,736.9	-473.9	1,167.6	1,110.8	56.79	20.560	
13,000.0	10,380.8	12,383.1	9,633.9	29.6	28.5	-49.74	2,800.0	-475.8	1,169.4	1,111.7	57.70	20.268	
13,015.0	10,380.8	12,399.0	9,633.7	29.6	28.6	-49.75	2,815.9	-476.3	1,169.9	1,112.0	57.90	20.206	
13,100.0	10,381.2	12,469.2	9,631.8	30.1	29.1	-49.72	2,886.0	-478.4	1,173.0	1,114.1	58.89	19.919	
13,110.0	10,381.2	12,478.0	9,631.5	30.2	29.2	-49.71	2,894.8	-478.6	1,173.4	1,114.4	59.01	19.886	
13,200.0	10,381.5	12,633.4	9,627.3	30.7	30.4	-49.50	3,050.1	-478.5	1,174.7	1,114.0	60.62	19.378	
13,205.0	10,381.6	12,639.8	9,627.2	30.7	30.5	-49.49	3,056.5	-478.3	1,174.6	1,113.9	60.69	19.353	
13,300.0	10,381.9	12,756.0	9,626.9	31.3	31.4	-49.32	3,172.6	-474.8	1,172.3	1,110.2	62.06	18.890	
13,395.0	10,382.3	12,841.9	9,629.7	31.9	32.1	-49.37	3,258.5	-474.0	1,169.4	1,106.1	63.28	18.479	
13,400.0	10,382.3	12,846.1	9,629.9	31.9	32.1	-49.37	3,262.7	-474.0	1,169.2	1,105.9	63.34	18.459	
13,490.0	10,382.6	12,938.1	9,633.5	32.4	32.8	-49.49	3,354.6	-474.7	1,167.2	1,102.7	64.57	18.078	
13,500.0	10,382.7	12,949.4	9,634.0	32.5	32.9	-49.51	3,365.9	-474.8	1,167.0	1,102.3	64.71	18.034	
13,585.0	10,383.0	13,029.5	9,637.0	33.0	33.5	-49.60	3,445.9	-474.9	1,164.8	1,098.9	65.84	17.691	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,600.0	10,383.0	13,043.0	9,637.2	33.1	33.6	-49.60	3,459.4	-474.7	1,164.4	1,098.4	66.03	17.634	
13,680.0	10,383.3	13,112.8	9,637.5	33.6	34.2	-49.55	3,529.2	-473.7	1,163.1	1,096.0	67.07	17.341	
13,700.0	10,383.4	13,130.0	9,637.4	33.7	34.3	-49.53	3,546.4	-473.4	1,162.8	1,095.5	67.33	17.271	
13,775.0	10,383.7	13,193.6	9,637.0	34.2	34.8	-49.48	3,610.0	-472.8	1,162.4	1,094.1	68.29	17.022	
13,777.1	10,383.7	13,195.4	9,637.1	34.2	34.9	-49.48	3,611.8	-472.9	1,162.4	1,094.1	68.32	17.015	
13,800.0	10,383.8	13,214.5	9,637.2	34.3	35.0	-49.49	3,630.9	-473.1	1,162.5	1,093.9	68.61	16.943	
13,870.0	10,384.1	13,269.6	9,638.5	34.8	35.5	-49.58	3,686.0	-475.0	1,163.1	1,093.6	69.48	16.740	
13,900.0	10,384.2	13,290.2	9,638.7	34.9	35.6	-49.60	3,706.6	-475.8	1,163.7	1,093.8	69.83	16.665	
13,965.0	10,384.4	13,349.0	9,637.5	35.4	36.1	-49.60	3,765.3	-477.8	1,165.9	1,095.3	70.68	16.495	
14,000.0	10,384.6	13,365.3	9,636.9	35.6	36.2	-49.58	3,781.6	-478.3	1,167.4	1,096.4	71.02	16.438	
14,060.0	10,384.8	13,434.0	9,635.5	36.0	36.8	-49.60	3,850.2	-481.1	1,169.9	1,098.0	71.93	16.264	
14,100.0	10,384.9	13,472.1	9,635.4	36.2	37.1	-49.64	3,888.2	-483.0	1,171.4	1,098.9	72.48	16.162	
14,155.0	10,385.1	13,521.4	9,634.8	36.6	37.5	-49.68	3,937.5	-485.4	1,173.7	1,100.5	73.21	16.033	
14,200.0	10,385.3	13,584.8	9,633.7	36.9	38.0	-49.70	4,000.8	-488.0	1,175.6	1,101.6	73.99	15.887	
14,250.0	10,385.5	13,686.4	9,633.9	37.2	38.8	-49.72	4,102.4	-489.6	1,176.0	1,101.0	75.06	15.669	
14,300.0	10,385.7	13,796.8	9,636.7	37.5	39.7	-49.68	4,212.7	-486.4	1,174.0	1,097.9	76.03	15.441	
14,345.0	10,385.9	13,880.6	9,642.9	37.8	40.4	-49.76	4,296.1	-482.3	1,169.8	1,093.0	76.75	15.242	
14,400.0	10,386.1	13,934.9	9,647.7	38.2	40.8	-49.83	4,350.2	-479.5	1,164.3	1,086.8	77.53	15.017	
14,440.0	10,386.2	13,978.2	9,651.5	38.4	41.2	-49.88	4,393.2	-477.1	1,160.3	1,082.2	78.11	14.855	
14,500.0	10,386.4	14,036.0	9,656.8	38.8	41.6	-49.95	4,450.7	-473.8	1,154.0	1,075.1	78.96	14.615	
14,535.0	10,386.6	14,066.2	9,659.4	39.0	41.9	-49.99	4,480.7	-472.1	1,150.5	1,071.0	79.46	14.479	
14,600.0	10,386.8	14,112.6	9,662.7	39.5	42.3	-50.02	4,527.0	-469.7	1,144.7	1,064.3	80.36	14.244	
14,630.0	10,386.9	14,131.0	9,663.8	39.7	42.4	-50.03	4,545.3	-468.8	1,142.4	1,061.6	80.77	14.144	
14,700.0	10,387.2	14,190.8	9,666.4	40.1	42.9	-50.02	4,605.0	-465.9	1,137.7	1,055.9	81.75	13.916	
14,725.0	10,387.3	14,210.9	9,667.0	40.3	43.1	-50.00	4,625.1	-465.0	1,136.2	1,054.1	82.10	13.839	
14,800.0	10,387.6	14,267.8	9,667.9	40.8	43.5	-49.92	4,681.8	-462.1	1,132.4	1,049.3	83.11	13.625	
14,820.0	10,387.6	14,282.6	9,667.8	40.9	43.6	-49.89	4,696.7	-461.4	1,131.6	1,048.2	83.38	13.572	
14,900.0	10,387.9	14,343.5	9,666.7	41.5	44.1	-49.73	4,757.5	-458.4	1,129.4	1,044.9	84.44	13.375	
14,915.0	10,388.0	14,355.4	9,666.4	41.6	44.2	-49.69	4,769.4	-457.9	1,129.1	1,044.4	84.64	13.340	
15,000.0	10,388.3	14,424.4	9,664.3	42.1	44.8	-49.51	4,838.2	-455.5	1,128.3	1,042.5	85.78	13.153	
15,010.0	10,388.4	14,433.6	9,664.0	42.2	44.9	-49.48	4,847.5	-455.3	1,128.2	1,042.3	85.92	13.131	
15,047.4	10,388.5	14,468.3	9,662.6	42.4	45.2	-49.38	4,882.2	-454.1	1,128.2	1,041.7	86.45	13.051	
15,100.0	10,388.7	14,517.1	9,660.2	42.8	45.6	-49.21	4,930.8	-452.3	1,128.3	1,041.1	87.18	12.941	
15,105.0	10,388.7	14,521.8	9,659.9	42.8	45.6	-49.19	4,935.5	-452.1	1,128.3	1,041.0	87.26	12.931	
15,200.0	10,389.1	14,612.5	9,654.4	43.5	46.4	-48.82	5,026.0	-448.4	1,128.9	1,040.3	88.61	12.740	
15,295.0	10,389.4	14,732.8	9,647.4	44.1	47.4	-48.30	5,145.9	-442.2	1,128.6	1,038.5	90.16	12.518	
15,300.0	10,389.5	14,739.3	9,647.1	44.2	47.4	-48.28	5,152.4	-441.8	1,128.6	1,038.3	90.24	12.506	
15,390.0	10,389.8	14,846.2	9,644.8	44.8	48.3	-47.97	5,259.2	-436.5	1,126.3	1,034.7	91.65	12.289	
15,400.0	10,389.8	14,857.2	9,644.7	44.8	48.4	-47.95	5,270.1	-436.1	1,126.0	1,034.2	91.80	12.266	
15,485.0	10,390.2	14,937.1	9,645.5	45.4	49.0	-47.87	5,350.0	-433.7	1,123.4	1,030.3	93.03	12.075	
15,500.0	10,390.2	14,949.9	9,645.8	45.5	49.1	-47.87	5,362.8	-433.6	1,123.0	1,029.7	93.24	12.044	
15,580.0	10,390.5	15,030.3	9,648.4	46.1	49.8	-47.95	5,443.2	-433.8	1,121.2	1,026.8	94.43	11.873	
15,600.0	10,390.6	15,053.3	9,649.3	46.2	50.0	-47.97	5,466.2	-433.8	1,120.7	1,025.9	94.75	11.828	
15,675.0	10,390.9	15,116.5	9,651.7	46.7	50.5	-48.04	5,529.3	-433.9	1,118.7	1,022.9	95.80	11.678	
15,700.0	10,391.0	15,134.3	9,652.4	46.9	50.7	-48.07	5,547.1	-434.3	1,118.4	1,022.3	96.13	11.634	
15,736.5	10,391.1	15,160.3	9,653.5	47.2	50.9	-48.13	5,573.0	-435.2	1,118.2	1,021.6	96.61	11.574	
15,770.0	10,391.2	15,190.2	9,654.8	47.4	51.1	-48.22	5,602.9	-436.5	1,118.2	1,021.1	97.09	11.518	
15,800.0	10,391.3	15,224.6	9,656.4	47.6	51.4	-48.32	5,637.1	-438.1	1,118.2	1,020.7	97.57	11.461	
15,865.0	10,391.6	15,296.0	9,660.0	48.1	52.0	-48.53	5,708.4	-441.0	1,117.9	1,019.3	98.59	11.338	
15,900.0	10,391.7	15,332.1	9,661.8	48.3	52.3	-48.64	5,744.5	-442.3	1,117.6	1,018.4	99.13	11.274	
15,960.0	10,391.9	15,394.5	9,665.1	48.7	52.8	-48.81	5,806.7	-444.6	1,117.0	1,017.0	100.05	11.165	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #702H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 6442-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,000.0	10,392.1	15,436.3	9,667.5	49.0	53.2	-48.95	5,848.4	-446.2	1,116.5	1,015.9	100.66	11.092	
16,055.0	10,392.3	15,483.4	9,670.3	49.4	53.6	-49.10	5,895.4	-448.1	1,116.0	1,014.5	101.45	11.001	
16,075.8	10,392.4	15,498.6	9,671.0	49.5	53.7	-49.15	5,910.6	-448.8	1,115.9	1,014.2	101.72	10.970	
16,100.0	10,392.5	15,516.3	9,671.7	49.7	53.8	-49.19	5,928.3	-449.5	1,116.0	1,014.0	102.04	10.937	
16,150.0	10,392.7	15,554.0	9,672.8	50.0	54.1	-49.28	5,965.9	-451.2	1,116.6	1,013.9	102.70	10.873	
16,200.0	10,392.8	15,599.1	9,673.6	50.4	54.5	-49.35	6,011.0	-453.2	1,117.6	1,014.2	103.41	10.807	
16,245.0	10,393.0	15,640.9	9,674.0	50.7	54.9	-49.42	6,052.7	-455.0	1,118.6	1,014.5	104.06	10.749	
16,300.0	10,393.2	15,680.9	9,674.1	51.1	55.2	-49.46	6,092.7	-456.7	1,120.2	1,015.5	104.75	10.695	
16,340.0	10,393.4	15,708.4	9,673.8	51.4	55.4	-49.49	6,120.2	-458.1	1,122.0	1,016.7	105.22	10.663	
16,400.0	10,393.6	15,751.5	9,672.7	51.8	55.8	-49.51	6,163.1	-460.5	1,125.4	1,019.4	105.92	10.624	
16,435.0	10,393.7	15,784.4	9,671.6	52.0	56.1	-49.52	6,195.9	-462.6	1,127.6	1,021.2	106.43	10.595	
16,500.0	10,394.0	15,839.0	9,669.9	52.5	56.5	-49.55	6,250.4	-466.1	1,132.0	1,024.7	107.28	10.552	
16,530.0	10,394.1	15,869.5	9,668.9	52.7	56.8	-49.57	6,280.8	-468.2	1,134.1	1,026.4	107.74	10.527	
16,600.0	10,394.4	15,934.0	9,666.3	53.2	57.3	-49.60	6,345.1	-472.9	1,139.7	1,031.0	108.73	10.482	
16,625.0	10,394.5	15,948.5	9,665.6	53.4	57.5	-49.61	6,359.5	-474.1	1,141.8	1,032.9	108.96	10.479	
16,700.0	10,394.7	16,013.1	9,662.2	53.9	58.0	-49.62	6,423.8	-479.2	1,148.7	1,038.8	109.95	10.448	
16,720.0	10,394.8	16,031.2	9,661.2	54.1	58.2	-49.62	6,441.8	-480.7	1,150.7	1,040.5	110.22	10.440	
16,800.0	10,395.1	16,141.2	9,655.1	54.6	59.1	-49.58	6,551.5	-487.9	1,157.2	1,045.4	111.87	10.345	
16,815.0	10,395.2	16,155.9	9,654.3	54.7	59.2	-49.58	6,566.1	-488.6	1,158.3	1,046.2	112.09	10.334	
16,900.0	10,395.5	16,244.8	9,649.6	55.3	60.0	-49.52	6,654.7	-493.3	1,164.5	1,051.0	113.44	10.265	
16,910.0	10,395.5	16,257.3	9,649.0	55.4	60.1	-49.51	6,667.3	-494.0	1,165.1	1,051.5	113.62	10.254	
17,000.0	10,395.9	16,372.1	9,644.6	56.1	61.1	-49.47	6,781.8	-499.1	1,170.2	1,054.9	115.29	10.150	
17,005.0	10,395.9	16,378.5	9,644.4	56.1	61.1	-49.46	6,788.2	-499.3	1,170.4	1,055.0	115.38	10.144	
17,100.0	10,396.2	16,569.7	9,647.9	56.8	62.7	-49.65	6,979.3	-503.2	1,170.3	1,052.7	117.53	9.957	
17,195.0	10,396.6	16,677.5	9,656.6	57.5	63.6	-49.98	7,086.7	-504.4	1,165.9	1,046.8	119.04	9.793	
17,200.0	10,396.6	16,682.8	9,657.0	57.5	63.7	-49.99	7,091.9	-504.4	1,165.6	1,046.5	119.12	9.785	
17,290.0	10,397.0	16,783.0	9,665.6	58.1	64.5	-50.30	7,191.8	-505.0	1,160.8	1,040.3	120.54	9.630	
17,300.0	10,397.0	16,794.3	9,666.7	58.2	64.6	-50.34	7,203.0	-505.1	1,160.2	1,039.5	120.69	9.613	
17,385.0	10,397.3	16,854.5	9,670.9	58.8	65.1	-50.48	7,263.1	-505.1	1,156.2	1,034.2	121.94	9.482	
17,400.0	10,397.4	16,865.5	9,671.4	58.9	65.2	-50.50	7,274.1	-505.1	1,155.6	1,033.5	122.16	9.460	
17,480.0	10,397.7	16,921.9	9,673.2	59.5	65.6	-50.54	7,330.5	-504.9	1,153.7	1,030.4	123.27	9.359	
17,500.0	10,397.8	16,935.8	9,673.3	59.6	65.8	-50.54	7,344.3	-504.9	1,153.5	1,029.9	123.54	9.337	
17,532.1	10,397.9	16,958.0	9,673.3	59.9	66.0	-50.53	7,366.5	-504.8	1,153.3	1,029.4	123.96	9.304	
17,575.0	10,398.0	16,991.5	9,672.7	60.2	66.2	-50.49	7,400.0	-504.7	1,153.5	1,029.0	124.55	9.262	
17,600.0	10,398.1	17,016.3	9,672.1	60.4	66.4	-50.45	7,424.8	-504.6	1,153.8	1,028.8	124.93	9.235	
17,670.0	10,398.4	17,084.2	9,670.7	60.9	67.0	-50.37	7,492.7	-504.4	1,154.4	1,028.4	125.99	9.163	
17,700.0	10,398.5	17,109.7	9,670.1	61.1	67.2	-50.34	7,518.2	-504.4	1,154.7	1,028.3	126.41	9.135	
17,765.0	10,398.7	17,169.0	9,668.2	61.6	67.7	-50.24	7,577.5	-504.4	1,155.9	1,028.6	127.35	9.077	
17,800.0	10,398.9	17,197.2	9,667.0	61.8	68.0	-50.19	7,605.7	-504.5	1,156.7	1,028.9	127.83	9.049	
17,860.0	10,399.1	17,253.4	9,664.5	62.2	68.5	-50.08	7,661.8	-504.6	1,158.3	1,029.6	128.71	9.000	
17,900.0	10,399.3	17,297.5	9,662.5	62.5	68.8	-49.99	7,705.8	-504.6	1,159.4	1,030.1	129.36	8.963	
17,955.0	10,399.5	17,362.0	9,660.3	62.9	69.4	-49.88	7,770.3	-504.6	1,160.6	1,030.3	130.28	8.908	
18,000.0	10,399.6	17,416.3	9,658.7	63.3	69.8	-49.80	7,824.5	-504.4	1,161.1	1,030.1	131.05	8.860	
18,046.6	10,399.8	17,476.8	9,657.3	63.6	70.3	-49.70	7,885.1	-503.7	1,161.3	1,029.4	131.86	8.807	
18,050.0	10,399.8	17,481.8	9,657.2	63.6	70.4	-49.69	7,890.1	-503.6	1,161.3	1,029.4	131.93	8.803	
18,096.7	10,400.0	17,551.2	9,656.7	64.0	71.0	-49.60	7,959.5	-502.1	1,160.6	1,027.9	132.77	8.742	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	9.7	9.7	3.0	3.0	-90.26	-2.1	-474.9	475.0				
95.0	95.0	105.3	105.3	3.0	3.0	-90.22	-1.8	-474.9	474.9	468.8	6.03	78.776	
100.0	100.0	110.4	110.4	3.0	3.0	-90.22	-1.8	-474.9	474.9	468.8	6.03	78.723	
115.1	115.1	124.7	124.7	3.0	3.0	-90.20	-1.7	-474.8	474.9	468.8	6.05	78.522	CC, ES
190.0	190.0	195.2	195.2	3.1	3.0	-90.16	-1.3	-475.2	475.2	469.0	6.17	77.047	
200.0	200.0	204.6	204.6	3.2	3.0	-90.15	-1.3	-475.3	475.3	469.1	6.19	76.797	
285.0	285.0	286.8	286.8	3.3	3.1	-90.10	-0.9	-476.4	476.5	470.1	6.35	75.077	
300.0	300.0	301.4	301.4	3.3	3.1	-90.09	-0.8	-476.7	476.7	470.3	6.38	74.730	
380.0	380.0	379.1	379.0	3.4	3.2	-90.02	-0.1	-478.2	478.3	471.7	6.55	72.988	
400.0	400.0	398.4	398.4	3.4	3.2	-90.00	0.0	-478.6	478.7	472.1	6.60	72.521	
475.0	475.0	472.0	472.0	3.5	3.3	-89.91	0.7	-480.5	480.7	473.9	6.79	70.816	
500.0	500.0	497.0	497.0	3.5	3.4	-89.88	1.0	-481.1	481.3	474.5	6.86	70.209	
570.0	570.0	566.5	566.4	3.6	3.5	-89.81	1.6	-483.0	483.2	476.1	7.05	68.548	
600.0	600.0	596.0	595.9	3.6	3.5	-89.78	1.8	-483.8	484.0	476.9	7.14	67.823	
665.0	665.0	661.2	661.1	3.7	3.7	-89.74	2.2	-485.7	485.9	478.5	7.33	66.266	
700.0	700.0	696.8	696.6	3.8	3.7	-89.73	2.3	-486.6	486.8	479.4	7.44	65.400	
760.0	760.0	760.2	760.0	3.8	3.9	-89.72	2.4	-488.1	488.2	480.6	7.64	63.874	
800.0	800.0	802.9	802.7	3.9	4.0	-89.74	2.2	-488.9	488.9	481.1	7.78	62.817	
855.0	855.0	859.5	859.3	4.0	4.1	-89.78	1.9	-489.6	489.6	481.6	7.94	61.681	
900.0	900.0	906.0	905.8	4.0	4.2	-89.83	1.4	-490.0	490.0	482.0	8.05	60.846	
950.0	950.0	958.3	958.1	4.1	4.2	-89.91	0.8	-490.3	490.3	482.1	8.15	60.135	
1,000.0	1,000.0	1,009.2	1,009.0	4.1	4.3	-89.98	0.2	-490.4	490.4	482.1	8.28	59.229	
1,045.0	1,045.0	1,055.1	1,054.9	4.2	4.4	-90.05	-0.4	-490.4	490.4	482.0	8.39	58.440	
1,100.0	1,100.0	1,111.2	1,111.0	4.3	4.5	-90.13	-1.1	-490.3	490.3	481.8	8.53	57.513	
1,140.0	1,140.0	1,151.9	1,151.7	4.3	4.5	-90.19	-1.6	-490.1	490.2	481.5	8.62	56.855	
1,200.0	1,200.0	1,212.6	1,212.4	4.4	4.7	-90.30	-2.5	-489.8	489.9	481.1	8.77	55.885	
1,235.0	1,235.0	1,248.3	1,248.1	4.4	4.7	-90.36	-3.1	-489.6	489.6	480.8	8.85	55.338	
1,300.0	1,300.0	1,315.0	1,314.8	4.5	4.8	-90.49	-4.2	-489.0	489.1	480.1	9.00	54.329	
1,330.0	1,330.0	1,347.1	1,346.9	4.5	4.9	-90.55	-4.7	-488.6	488.7	479.6	9.07	53.861	
1,400.0	1,400.0	1,422.0	1,421.7	4.6	5.0	-90.71	-6.1	-487.1	487.2	478.0	9.24	52.725	
1,425.0	1,425.0	1,447.1	1,446.8	4.6	5.1	-90.78	-6.6	-486.4	486.6	477.3	9.30	52.318	
1,500.0	1,500.0	1,522.0	1,521.6	4.7	5.2	-90.98	-8.3	-484.5	484.7	475.2	9.48	51.115	
1,520.0	1,520.0	1,541.6	1,541.3	4.7	5.3	-176.83	-8.7	-484.0	484.3	474.8	9.55	50.698	
1,564.3	1,564.3	1,585.1	1,584.7	4.8	5.4	-176.95	-9.7	-483.0	483.9	474.2	9.71	49.845	
1,600.0	1,600.0	1,620.9	1,620.6	4.8	5.5	-177.05	-10.4	-482.2	484.2	474.3	9.84	49.218	
1,615.0	1,615.0	1,636.3	1,635.9	4.8	5.5	-177.09	-10.7	-481.8	484.4	474.5	9.90	48.908	
1,700.0	1,699.8	1,723.1	1,722.7	5.0	5.7	-177.32	-12.4	-479.6	486.9	476.6	10.29	47.321	
1,710.0	1,709.8	1,733.4	1,732.9	5.0	5.7	-177.35	-12.6	-479.3	487.3	477.0	10.34	47.149	
1,800.0	1,799.5	1,816.6	1,816.1	5.2	6.0	-177.56	-14.1	-477.0	492.9	482.1	10.84	45.490	
1,805.0	1,804.4	1,820.4	1,819.9	5.2	6.0	-177.57	-14.2	-477.0	493.4	482.5	10.87	45.405	
1,875.0	1,873.9	1,873.3	1,872.8	5.4	6.4	-177.78	-15.8	-477.2	502.0	490.7	11.29	44.477	
1,900.0	1,898.7	1,895.2	1,894.7	5.4	6.5	-177.89	-16.6	-477.7	505.9	494.5	11.39	44.411	
1,995.0	1,992.9	2,000.2	1,999.6	5.6	6.7	-178.35	-20.3	-479.0	519.6	507.9	11.73	44.310	
2,000.0	1,997.9	2,005.1	2,004.5	5.7	6.7	-178.37	-20.5	-479.1	520.3	508.6	11.74	44.303	
2,090.0	2,087.1	2,095.1	2,094.4	5.9	6.9	-178.67	-23.0	-479.5	532.6	520.5	12.08	44.089	
2,100.0	2,097.0	2,105.8	2,105.2	5.9	6.9	-178.71	-23.2	-479.5	534.0	521.8	12.12	44.055	
2,185.0	2,181.3	2,201.0	2,200.3	6.2	7.1	-178.93	-25.0	-478.9	544.6	532.1	12.49	43.594	
2,200.0	2,196.1	2,219.3	2,218.6	6.2	7.1	-178.96	-25.3	-478.5	546.3	533.7	12.57	43.467	
2,280.0	2,275.5	2,313.8	2,313.1	6.4	7.4	-179.15	-26.7	-474.8	553.7	540.7	12.97	42.684	
2,300.0	2,295.3	2,336.8	2,336.0	6.5	7.4	-179.20	-27.0	-473.6	555.2	542.1	13.07	42.475	
2,375.0	2,369.7	2,402.9	2,402.0	6.7	7.6	-179.36	-28.2	-469.9	561.0	547.6	13.44	41.742	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,400.0	2,394.4	2,422.3	2,421.4	6.8	7.6	-179.41	-28.7	-469.2	563.4	549.8	13.56	41.551	
2,470.0	2,463.8	2,478.1	2,477.2	7.0	7.8	-179.59	-30.3	-468.1	571.3	557.4	13.89	41.139	
2,500.0	2,493.6	2,503.2	2,502.2	7.1	7.8	-179.68	-31.2	-468.0	575.1	561.1	14.02	41.018	
2,565.0	2,558.0	2,551.0	2,550.0	7.4	8.0	-179.85	-32.9	-468.4	584.3	570.0	14.30	40.869	
2,600.0	2,592.7	2,587.0	2,585.9	7.5	8.0	-179.98	-34.3	-469.1	589.7	575.2	14.44	40.830	
2,660.0	2,652.2	2,637.4	2,636.3	7.7	8.1	179.85	-36.1	-470.7	599.6	584.9	14.67	40.869	
2,700.0	2,691.9	2,676.3	2,675.2	7.8	8.2	179.73	-37.5	-472.3	606.6	591.7	14.83	40.903	
2,755.0	2,746.4	2,732.8	2,731.6	8.0	8.2	179.56	-39.5	-474.5	616.0	600.9	15.05	40.918	
2,800.0	2,791.0	2,771.9	2,770.6	8.2	8.3	179.46	-40.8	-476.1	623.8	608.6	15.23	40.961	
2,850.0	2,840.6	2,813.6	2,812.2	8.3	8.3	179.36	-42.1	-478.2	633.0	617.6	15.42	41.048	
2,900.0	2,890.2	2,856.1	2,854.6	8.5	8.4	179.28	-43.3	-480.9	642.7	627.1	15.61	41.164	
2,945.0	2,934.8	2,895.3	2,893.7	8.7	8.4	179.21	-44.4	-483.7	651.9	636.1	15.79	41.280	
3,000.0	2,989.3	2,943.5	2,941.8	8.9	8.4	179.12	-45.8	-487.6	663.5	647.5	16.01	41.439	
3,040.0	3,029.0	2,979.3	2,977.4	9.0	8.5	179.06	-46.8	-490.7	672.2	656.1	16.18	41.547	
3,100.0	3,088.5	3,034.0	3,031.8	9.3	8.5	178.97	-48.4	-495.7	685.7	669.2	16.44	41.713	
3,135.0	3,123.2	3,070.1	3,067.7	9.4	8.5	178.91	-49.5	-499.1	693.5	676.9	16.61	41.754	
3,200.0	3,187.6	3,136.2	3,133.6	9.6	8.6	178.80	-51.5	-505.0	707.8	690.9	16.93	41.812	
3,230.0	3,217.3	3,165.7	3,162.9	9.8	8.7	178.75	-52.5	-507.5	714.4	697.3	17.08	41.832	
3,300.0	3,286.7	3,234.6	3,231.6	10.0	8.7	178.63	-54.8	-513.5	729.7	712.3	17.43	41.862	
3,325.0	3,311.5	3,259.5	3,256.3	10.1	8.8	178.59	-55.6	-515.6	735.1	717.6	17.56	41.860	
3,400.0	3,385.9	3,334.2	3,330.7	10.4	8.9	178.47	-58.0	-521.9	751.4	733.4	17.96	41.839	
3,420.0	3,405.7	3,354.1	3,350.6	10.5	8.9	178.44	-58.6	-523.6	755.7	737.6	18.06	41.833	
3,500.0	3,485.0	3,434.1	3,430.2	10.8	9.1	178.32	-61.1	-530.1	772.8	754.3	18.50	41.762	
3,515.0	3,499.9	3,449.1	3,445.2	10.8	9.1	178.30	-61.6	-531.3	776.0	757.4	18.59	41.745	
3,600.0	3,584.2	3,533.6	3,529.4	11.2	9.2	178.18	-64.2	-538.0	793.9	774.9	19.07	41.632	
3,610.0	3,594.1	3,543.5	3,539.2	11.2	9.3	178.17	-64.5	-538.8	796.0	776.9	19.13	41.618	
3,700.0	3,683.3	3,631.5	3,626.9	11.6	9.4	178.06	-67.1	-545.6	814.9	795.3	19.64	41.486	
3,705.0	3,688.3	3,636.3	3,631.7	11.6	9.4	178.05	-67.3	-546.0	816.0	796.3	19.67	41.478	
3,800.0	3,782.5	3,721.3	3,716.4	12.0	9.6	177.94	-70.0	-552.8	836.2	816.0	20.20	41.387	
3,895.0	3,876.6	3,800.0	3,794.7	12.3	9.8	177.81	-73.1	-560.4	858.0	837.2	20.72	41.401	
3,900.0	3,881.6	3,805.0	3,799.6	12.4	9.8	177.80	-73.3	-561.0	859.1	838.4	20.75	41.395	
3,990.0	3,970.8	3,893.7	3,887.8	12.7	10.0	177.65	-77.0	-570.0	880.2	858.9	21.32	41.288	
4,000.0	3,980.8	3,903.2	3,897.2	12.8	10.1	177.64	-77.4	-570.9	882.6	861.2	21.38	41.278	
4,085.0	4,065.0	3,984.4	3,978.0	13.1	10.3	177.51	-80.8	-579.3	902.6	880.7	21.91	41.191	
4,100.0	4,079.9	3,999.7	3,993.1	13.2	10.3	177.48	-81.5	-580.8	906.1	884.1	22.01	41.166	
4,180.0	4,159.2	4,081.2	4,074.2	13.5	10.5	177.34	-85.1	-589.0	924.8	902.2	22.55	41.015	
4,200.0	4,179.0	4,102.0	4,094.9	13.6	10.6	177.31	-86.0	-591.0	929.4	906.7	22.68	40.969	
4,275.0	4,253.4	4,179.7	4,172.1	13.9	10.8	177.17	-89.5	-598.2	946.4	923.2	23.20	40.793	
4,300.0	4,278.2	4,205.1	4,197.4	14.0	10.9	177.13	-90.7	-600.5	952.0	928.7	23.37	40.736	
4,370.0	4,347.6	4,275.0	4,267.0	14.2	11.1	177.01	-93.9	-606.7	967.6	943.8	23.84	40.580	
4,400.0	4,377.3	4,303.7	4,295.5	14.4	11.2	176.95	-95.3	-609.3	974.3	950.2	24.04	40.525	
4,465.0	4,441.8	4,365.9	4,357.4	14.6	11.4	176.84	-98.5	-614.8	988.8	964.3	24.47	40.407	
4,500.0	4,476.5	4,399.6	4,390.9	14.8	11.5	176.77	-100.3	-617.8	996.7	972.0	24.71	40.341	
4,560.0	4,536.0	4,458.1	4,449.1	15.0	11.7	176.64	-103.6	-623.0	1,010.1	985.0	25.11	40.224	
4,600.0	4,575.6	4,499.4	4,490.1	15.2	11.8	176.55	-105.9	-626.6	1,019.1	993.7	25.40	40.124	
4,653.0	4,628.2	4,553.9	4,544.3	15.4	12.0	176.43	-109.1	-631.2	1,030.8	1,005.0	25.76	40.012	
4,655.0	4,630.1	4,555.9	4,546.3	15.4	12.0	176.43	-109.2	-631.4	1,031.2	1,005.4	25.78	40.008	
4,700.0	4,674.8	4,601.8	4,592.0	15.6	12.2	176.33	-112.0	-635.2	1,040.9	1,014.8	26.08	39.910	
4,750.0	4,724.4	4,653.0	4,643.0	15.8	12.3	176.21	-115.2	-639.3	1,051.1	1,024.7	26.43	39.768	
4,800.0	4,774.1	4,704.8	4,694.4	16.0	12.5	176.09	-118.5	-643.3	1,060.8	1,034.0	26.78	39.605	
4,845.0	4,818.9	4,750.7	4,740.2	16.1	12.7	175.98	-121.5	-646.7	1,069.0	1,041.9	27.09	39.459	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,900.0	4,873.7	4,805.8	4,795.0	16.3	12.9	175.84	-125.1	-650.7	1,078.6	1,051.1	27.46	39.274	
4,940.0	4,913.5	4,845.3	4,834.3	16.5	13.0	175.74	-127.8	-653.6	1,085.2	1,057.5	27.72	39.142	
5,000.0	4,973.4	4,903.5	4,892.2	16.7	13.2	175.59	-131.8	-657.9	1,094.6	1,066.5	28.11	38.937	
5,035.0	5,008.3	4,940.9	4,929.4	16.8	13.3	175.49	-134.3	-660.6	1,099.8	1,071.5	28.35	38.795	
5,100.0	5,073.2	5,016.4	5,004.6	17.1	13.6	175.29	-139.4	-665.5	1,108.5	1,079.7	28.82	38.462	
5,130.0	5,103.1	5,051.1	5,039.2	17.2	13.7	175.20	-141.7	-667.6	1,112.1	1,083.0	29.03	38.314	
5,200.0	5,173.1	5,130.5	5,118.2	17.4	14.0	175.00	-146.8	-671.7	1,119.2	1,089.8	29.49	37.952	
5,225.0	5,198.1	5,157.2	5,144.8	17.5	14.1	174.93	-148.4	-673.0	1,121.5	1,091.9	29.64	37.839	
5,300.0	5,273.0	5,227.6	5,215.1	17.7	14.3	174.77	-152.5	-676.2	1,127.5	1,097.4	30.04	37.528	
5,320.0	5,293.0	5,242.7	5,230.2	17.7	14.4	174.73	-153.3	-677.0	1,129.0	1,098.9	30.11	37.497	
5,403.0	5,376.0	5,308.3	5,295.5	17.8	14.6	-99.59	-156.7	-681.3	1,135.7	1,105.3	30.40	37.359	
5,415.0	5,388.0	5,321.4	5,308.6	17.9	14.7	-99.62	-157.4	-682.3	1,136.6	1,106.2	30.45	37.331	
5,500.0	5,473.0	5,409.3	5,396.2	17.9	15.0	-99.78	-161.6	-688.3	1,143.0	1,112.3	30.77	37.152	
5,510.0	5,483.0	5,417.6	5,404.5	17.9	15.0	-99.79	-162.0	-688.8	1,143.8	1,113.0	30.79	37.143	
5,600.0	5,573.0	5,489.0	5,475.5	17.9	15.2	-99.90	-165.2	-694.3	1,151.3	1,120.3	31.02	37.115	
5,605.0	5,578.0	5,497.4	5,483.9	17.9	15.3	-99.92	-165.6	-695.0	1,151.8	1,120.7	31.06	37.082	
5,700.0	5,673.0	5,584.0	5,570.1	18.0	15.5	-100.04	-169.4	-702.6	1,160.7	1,129.3	31.38	36.994	
5,795.0	5,768.0	5,687.1	5,672.7	18.0	15.9	-100.19	-174.1	-711.5	1,169.5	1,137.7	31.79	36.787	
5,800.0	5,773.0	5,691.2	5,676.8	18.0	15.9	-100.19	-174.3	-711.8	1,169.9	1,138.1	31.81	36.784	
5,890.0	5,863.0	5,773.0	5,758.2	18.1	16.2	-100.29	-177.6	-719.3	1,178.7	1,146.6	32.11	36.708	
5,900.0	5,873.0	5,774.1	5,759.2	18.1	16.2	-100.29	-177.6	-719.4	1,179.7	1,147.6	32.10	36.756	
5,985.0	5,958.0	5,857.0	5,841.7	18.1	16.5	-100.34	-180.3	-727.8	1,188.7	1,156.2	32.43	36.658	
6,000.0	5,973.0	5,872.2	5,856.8	18.1	16.5	-100.35	-180.7	-729.4	1,190.2	1,157.8	32.49	36.638	
6,080.0	6,053.0	5,963.0	5,947.2	18.1	16.8	-100.40	-183.4	-738.2	1,198.3	1,165.5	32.87	36.453	
6,100.0	6,073.0	5,985.9	5,969.9	18.1	16.9	-100.42	-184.2	-740.3	1,200.2	1,167.3	32.97	36.405	
6,175.0	6,148.0	6,071.7	6,055.4	18.2	17.2	-100.50	-187.1	-747.5	1,206.9	1,173.6	33.33	36.213	
6,200.0	6,173.0	6,100.2	6,083.7	18.2	17.3	-100.52	-188.1	-749.7	1,209.0	1,175.6	33.44	36.149	
6,270.0	6,243.0	6,174.9	6,158.2	18.2	17.5	-100.60	-190.7	-755.2	1,214.5	1,180.7	33.74	35.992	
6,300.0	6,273.0	6,202.2	6,185.5	18.2	17.6	-100.62	-191.6	-757.2	1,216.9	1,183.0	33.85	35.952	
6,365.0	6,338.0	6,262.3	6,245.3	18.3	17.8	-100.67	-193.6	-761.9	1,222.2	1,188.1	34.07	35.868	
6,400.0	6,373.0	6,296.6	6,279.5	18.3	18.0	-100.70	-194.7	-764.6	1,225.1	1,190.9	34.21	35.813	
6,460.0	6,433.0	6,359.8	6,342.4	18.3	18.2	-100.74	-196.5	-769.7	1,230.2	1,195.7	34.46	35.695	
6,500.0	6,473.0	6,414.3	6,396.8	18.3	18.3	-100.76	-197.8	-773.6	1,233.2	1,198.5	34.70	35.543	
6,555.0	6,528.0	6,481.9	6,464.3	18.3	18.6	-100.79	-199.3	-777.7	1,236.7	1,201.7	34.97	35.369	
6,600.0	6,573.0	6,535.3	6,517.6	18.4	18.7	-100.81	-200.2	-780.6	1,239.2	1,204.1	35.17	35.234	
6,650.0	6,623.0	6,624.3	6,606.5	18.4	18.9	-100.81	-200.8	-783.8	1,241.1	1,205.6	35.50	34.959	
6,700.0	6,673.0	6,657.6	6,639.7	18.4	19.0	-100.80	-200.7	-784.8	1,242.4	1,206.8	35.62	34.885	
6,745.0	6,718.0	6,687.0	6,669.2	18.4	19.1	-100.79	-200.7	-786.0	1,244.3	1,208.6	35.71	34.840	
6,800.0	6,773.0	6,720.0	6,702.1	18.5	19.2	-100.77	-200.6	-787.8	1,247.3	1,211.5	35.82	34.825	
6,840.0	6,813.0	6,750.5	6,732.5	18.5	19.3	-100.75	-200.6	-789.9	1,250.0	1,214.0	35.93	34.789	
6,900.0	6,873.0	6,791.4	6,773.3	18.5	19.4	-100.74	-201.0	-793.1	1,254.7	1,218.7	36.07	34.783	
6,935.0	6,908.0	6,815.6	6,797.4	18.5	19.5	-100.74	-201.5	-795.3	1,257.9	1,221.8	36.16	34.790	
7,000.0	6,973.0	6,926.1	6,907.6	18.5	19.9	-100.80	-204.2	-803.0	1,262.5	1,225.9	36.67	34.432	
7,030.0	7,003.0	6,951.5	6,932.9	18.6	20.0	-100.82	-205.0	-804.5	1,264.4	1,227.6	36.76	34.396	
7,100.0	7,073.0	7,004.0	6,985.3	18.6	20.1	-100.89	-207.1	-807.6	1,269.1	1,232.2	36.94	34.354	
7,125.0	7,098.0	7,026.5	7,007.7	18.6	20.2	-100.92	-208.1	-809.1	1,271.0	1,233.9	37.03	34.319	
7,200.0	7,173.0	7,077.7	7,058.7	18.6	20.4	-100.98	-210.3	-813.3	1,277.6	1,240.3	37.22	34.325	
7,220.0	7,193.0	7,098.0	7,078.9	18.7	20.5	-101.00	-211.1	-815.2	1,279.6	1,242.3	37.30	34.301	
7,300.0	7,273.0	7,190.6	7,171.1	18.7	20.8	-101.08	-214.3	-822.8	1,286.4	1,248.7	37.72	34.104	
7,315.0	7,288.0	7,216.0	7,196.4	18.7	20.9	-101.10	-215.3	-824.5	1,287.5	1,249.6	37.85	34.020	
7,400.0	7,373.0	7,271.0	7,251.2	18.7	21.2	-101.18	-217.8	-829.1	1,295.1	1,257.1	38.06	34.033	

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

ConocoPhillips

Anticollision Report

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Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,410.0	7,383.0	7,288.0	7,268.1	18.7	21.2	-101.20	-218.7	-830.7	1,296.2	1,258.1	38.14	33.984	
7,500.0	7,473.0	7,373.9	7,353.5	18.8	21.6	-101.34	-223.5	-838.8	1,305.5	1,267.0	38.51	33.906	
7,505.0	7,478.0	7,379.8	7,359.3	18.8	21.6	-101.35	-223.8	-839.4	1,306.0	1,267.5	38.53	33.896	
7,600.0	7,573.0	7,455.8	7,434.9	18.8	21.9	-101.45	-227.7	-846.7	1,316.0	1,277.2	38.83	33.887	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.5	0.5	3.0	3.0	-90.36	-0.2	-30.0	30.0				
95.0	95.0	95.5	95.5	3.0	3.0	-90.36	-0.2	-30.0	30.0	23.9	6.05	4.952	
100.0	100.0	100.5	100.5	3.0	3.0	-90.36	-0.2	-30.0	30.0	23.9	6.06	4.947	
190.0	190.0	190.5	190.5	3.1	3.1	-90.36	-0.2	-30.0	30.0	23.7	6.27	4.779	
200.0	200.0	200.5	200.5	3.2	3.2	-90.36	-0.2	-30.0	30.0	23.7	6.30	4.754	
285.0	285.0	285.5	285.5	3.3	3.3	-90.36	-0.2	-30.0	30.0	23.5	6.50	4.611	
300.0	300.0	300.5	300.5	3.3	3.3	-90.36	-0.2	-30.0	30.0	23.4	6.54	4.583	
380.0	380.0	380.5	380.5	3.4	3.4	-90.36	-0.2	-30.0	30.0	23.2	6.72	4.461	
400.0	400.0	400.5	400.5	3.4	3.4	-90.36	-0.2	-30.0	30.0	23.2	6.76	4.429	
475.0	475.0	475.5	475.5	3.5	3.5	-90.36	-0.2	-30.0	30.0	23.0	6.93	4.325	
500.0	500.0	500.5	500.5	3.5	3.5	-90.36	-0.2	-30.0	30.0	23.0	6.98	4.289	
570.0	570.0	570.5	570.5	3.6	3.6	-90.36	-0.2	-30.0	30.0	22.8	7.13	4.201	
600.0	600.0	600.5	600.5	3.6	3.6	-90.36	-0.2	-30.0	30.0	22.8	7.20	4.162	
665.0	665.0	665.5	665.5	3.7	3.7	-90.36	-0.2	-30.0	30.0	22.6	7.33	4.087	
700.0	700.0	700.5	700.5	3.8	3.8	-90.36	-0.2	-30.0	30.0	22.6	7.41	4.046	
760.0	760.0	760.5	760.5	3.8	3.8	-90.36	-0.2	-30.0	30.0	22.4	7.52	3.982	
800.0	800.0	800.5	800.5	3.9	3.9	-90.36	-0.2	-30.0	30.0	22.4	7.61	3.939	
855.0	855.0	855.5	855.5	4.0	4.0	-90.36	-0.2	-30.0	30.0	22.2	7.71	3.884	
900.0	900.0	900.5	900.5	4.0	4.0	-90.36	-0.2	-30.0	30.0	22.2	7.80	3.840	
950.0	950.0	950.5	950.5	4.1	4.1	-90.36	-0.2	-30.0	30.0	22.1	7.90	3.793	
1,000.0	1,000.0	1,000.5	1,000.5	4.1	4.1	-90.36	-0.2	-30.0	30.0	22.0	7.99	3.748	
1,045.0	1,045.0	1,045.5	1,045.5	4.2	4.2	-90.36	-0.2	-30.0	30.0	21.9	8.08	3.709	
1,100.0	1,100.0	1,100.5	1,100.5	4.3	4.3	-90.36	-0.2	-30.0	30.0	21.8	8.18	3.662	
1,140.0	1,140.0	1,140.5	1,140.5	4.3	4.3	-90.36	-0.2	-30.0	30.0	21.7	8.25	3.630	
1,200.0	1,200.0	1,200.5	1,200.5	4.4	4.4	-90.36	-0.2	-30.0	30.0	21.6	8.36	3.582	
1,235.0	1,235.0	1,235.5	1,235.5	4.4	4.4	-90.36	-0.2	-30.0	30.0	21.5	8.43	3.556	
1,300.0	1,300.0	1,300.5	1,300.5	4.5	4.5	-90.36	-0.2	-30.0	30.0	21.4	8.54	3.507	
1,330.0	1,330.0	1,330.5	1,330.5	4.5	4.5	-90.36	-0.2	-30.0	30.0	21.4	8.60	3.486	
1,400.0	1,400.0	1,400.5	1,400.5	4.6	4.6	-90.36	-0.2	-30.0	30.0	21.2	8.72	3.436	
1,425.0	1,425.0	1,425.5	1,425.5	4.6	4.6	-90.36	-0.2	-30.0	30.0	21.2	8.76	3.420	
1,500.0	1,500.0	1,500.5	1,500.5	4.7	4.7	-90.36	-0.2	-30.0	30.0	21.1	8.89	3.370	CC, ES
1,520.0	1,520.0	1,520.5	1,520.5	4.7	4.8	-176.17	-0.2	-30.0	30.0	21.1	8.95	3.357	SF
1,600.0	1,600.0	1,600.5	1,600.5	4.8	4.8	-176.37	-0.2	-30.0	31.7	22.5	9.17	3.458	
1,615.0	1,615.0	1,615.5	1,615.5	4.8	4.9	-176.43	-0.2	-30.0	32.3	23.0	9.22	3.499	
1,700.0	1,699.8	1,700.3	1,700.3	5.0	5.0	-176.88	-0.2	-30.0	36.9	27.4	9.53	3.874	
1,710.0	1,709.8	1,710.3	1,710.3	5.0	5.0	-176.94	-0.2	-30.0	37.6	28.1	9.57	3.934	
1,800.0	1,799.5	1,800.0	1,800.0	5.2	5.1	-177.47	-0.2	-30.0	45.6	35.7	9.91	4.606	
1,805.0	1,804.4	1,804.9	1,804.9	5.2	5.1	-177.50	-0.2	-30.0	46.2	36.2	9.92	4.652	
1,875.0	1,873.9	1,874.4	1,874.4	5.4	5.2	-177.87	-0.2	-30.0	54.4	44.3	10.13	5.375	
1,900.0	1,898.7	1,899.2	1,899.2	5.4	5.2	-177.99	-0.2	-30.0	57.7	47.5	10.18	5.667	
1,995.0	1,992.9	1,993.4	1,993.4	5.6	5.3	-178.35	-0.2	-30.0	70.1	59.6	10.49	6.683	
2,000.0	1,997.9	1,998.4	1,998.4	5.7	5.3	-178.36	-0.2	-30.0	70.7	60.2	10.50	6.735	
2,090.0	2,087.1	2,087.6	2,087.6	5.9	5.5	-178.60	-0.2	-30.0	82.5	71.6	10.88	7.579	
2,100.0	2,097.0	2,097.5	2,097.5	5.9	5.5	-178.62	-0.2	-30.0	83.8	72.9	10.93	7.669	
2,185.0	2,181.3	2,181.8	2,181.8	6.2	5.6	-178.78	-0.2	-30.0	94.9	83.6	11.29	8.405	
2,200.0	2,196.1	2,196.6	2,196.6	6.2	5.6	-178.80	-0.2	-30.0	96.8	85.5	11.35	8.529	
2,280.0	2,275.5	2,276.0	2,276.0	6.4	5.7	-178.92	-0.2	-30.0	107.3	95.6	11.71	9.164	
2,300.0	2,295.3	2,295.8	2,295.8	6.5	5.7	-178.95	-0.2	-30.0	109.9	98.1	11.79	9.317	
2,375.0	2,369.7	2,370.2	2,370.2	6.7	5.8	-179.03	-0.2	-30.0	119.7	107.5	12.13	9.864	
2,400.0	2,394.4	2,394.9	2,394.9	6.8	5.9	-179.06	-0.2	-30.0	122.9	110.7	12.25	10.039	
2,470.0	2,463.8	2,464.3	2,464.3	7.0	6.0	-179.12	-0.2	-30.0	132.1	119.5	12.57	10.508	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,500.0	2,493.6	2,494.1	2,494.1	7.1	6.0	-179.15	-0.2	-30.0	136.0	123.3	12.71	10.701	
2,565.0	2,558.0	2,558.5	2,558.5	7.4	6.1	-179.20	-0.2	-30.0	144.5	131.5	13.01	11.102	
2,600.0	2,592.7	2,593.2	2,593.2	7.5	6.1	-179.22	-0.2	-30.0	149.0	135.9	13.18	11.310	
2,660.0	2,652.2	2,652.7	2,652.7	7.7	6.2	-179.26	-0.2	-30.0	156.9	143.4	13.46	11.652	
2,700.0	2,691.9	2,692.4	2,692.4	7.8	6.2	-179.29	-0.2	-30.0	162.1	148.4	13.65	11.871	
2,755.0	2,746.4	2,746.9	2,746.9	8.0	6.3	-179.32	-0.2	-30.0	169.3	155.4	13.92	12.161	
2,800.0	2,791.0	2,791.5	2,791.5	8.2	6.4	-179.34	-0.2	-30.0	175.1	161.0	14.14	12.389	
2,850.0	2,840.6	2,841.1	2,841.1	8.3	6.4	-179.36	-0.2	-30.0	181.7	167.3	14.38	12.633	
2,900.0	2,890.2	2,890.7	2,890.7	8.5	6.5	-179.38	-0.2	-30.0	188.2	173.6	14.62	12.868	
2,945.0	2,934.8	2,935.3	2,935.3	8.7	6.5	-179.40	-0.2	-30.0	194.1	179.2	14.85	13.072	
3,000.0	2,989.3	2,989.8	2,989.8	8.9	6.6	-179.42	-0.2	-30.0	201.2	186.1	15.12	13.313	
3,040.0	3,029.0	3,029.5	3,029.5	9.0	6.7	-179.44	-0.2	-30.0	206.5	191.2	15.32	13.481	
3,100.0	3,088.5	3,089.0	3,089.0	9.3	6.7	-179.46	-0.2	-30.0	214.3	198.7	15.61	13.726	
3,135.0	3,123.2	3,123.7	3,123.7	9.4	6.8	-179.47	-0.2	-30.0	218.9	203.1	15.79	13.863	
3,200.0	3,187.6	3,188.1	3,188.1	9.6	6.8	-179.49	-0.2	-30.0	227.4	211.2	16.11	14.111	
3,230.0	3,217.3	3,217.8	3,217.8	9.8	6.9	-179.50	-0.2	-30.0	231.3	215.0	16.26	14.221	
3,300.0	3,286.7	3,287.2	3,287.2	10.0	7.0	-179.52	-0.2	-30.0	240.4	223.8	16.61	14.470	
3,325.0	3,311.5	3,312.0	3,312.0	10.1	7.0	-179.52	-0.2	-30.0	243.7	226.9	16.74	14.556	
3,400.0	3,385.9	3,386.4	3,386.4	10.4	7.1	-179.54	-0.2	-30.0	253.5	236.3	17.12	14.806	
3,420.0	3,405.7	3,406.2	3,406.2	10.5	7.1	-179.55	-0.2	-30.0	256.1	238.8	17.22	14.870	
3,500.0	3,485.0	3,485.5	3,485.5	10.8	7.2	-179.57	-0.2	-30.0	266.5	248.9	17.63	15.121	
3,515.0	3,499.9	3,500.4	3,500.4	10.8	7.2	-179.57	-0.2	-30.0	268.5	250.8	17.70	15.166	
3,600.0	3,584.2	3,584.7	3,584.7	11.2	7.3	-179.59	-0.2	-30.0	279.6	261.4	18.13	15.417	
3,610.0	3,594.1	3,594.6	3,594.6	11.2	7.3	-179.59	-0.2	-30.0	280.9	262.7	18.18	15.445	
3,700.0	3,683.3	3,683.8	3,683.8	11.6	7.4	-179.60	-0.2	-30.0	292.6	274.0	18.64	15.695	
3,705.0	3,688.3	3,688.8	3,688.8	11.6	7.4	-179.60	-0.2	-30.0	293.3	274.6	18.67	15.708	
3,800.0	3,782.5	3,783.0	3,783.0	12.0	7.5	-179.62	-0.2	-30.0	305.7	286.5	19.15	15.957	
3,895.0	3,876.6	3,877.1	3,877.1	12.3	7.6	-179.64	-0.2	-30.0	318.1	298.4	19.64	16.193	
3,900.0	3,881.6	3,882.1	3,882.1	12.4	7.6	-179.64	-0.2	-30.0	318.7	299.0	19.67	16.205	
3,990.0	3,970.8	3,971.3	3,971.3	12.7	7.7	-179.65	-0.2	-30.0	330.5	310.3	20.13	16.416	
4,000.0	3,980.8	3,981.3	3,981.3	12.8	7.8	-179.65	-0.2	-30.0	331.8	311.6	20.18	16.439	
4,085.0	4,065.0	4,065.5	4,065.5	13.1	7.8	-179.66	-0.2	-30.0	342.9	322.2	20.62	16.629	
4,100.0	4,079.9	4,080.4	4,080.4	13.2	7.9	-179.66	-0.2	-30.0	344.8	324.1	20.70	16.661	
4,180.0	4,159.2	4,159.7	4,159.7	13.5	7.9	-179.67	-0.2	-30.0	355.3	334.2	21.11	16.830	
4,200.0	4,179.0	4,179.5	4,179.5	13.6	8.0	-179.68	-0.2	-30.0	357.9	336.7	21.21	16.872	
4,275.0	4,253.4	4,253.9	4,253.9	13.9	8.1	-179.68	-0.2	-30.0	367.7	346.1	21.60	17.023	
4,300.0	4,278.2	4,278.7	4,278.7	14.0	8.1	-179.69	-0.2	-30.0	370.9	349.2	21.73	17.072	
4,370.0	4,347.6	4,348.1	4,348.1	14.2	8.2	-179.70	-0.2	-30.0	380.1	358.0	22.09	17.206	
4,400.0	4,377.3	4,377.8	4,377.8	14.4	8.2	-179.70	-0.2	-30.0	384.0	361.7	22.24	17.262	
4,465.0	4,441.8	4,442.3	4,442.3	14.6	8.3	-179.70	-0.2	-30.0	392.5	369.9	22.58	17.381	
4,500.0	4,476.5	4,477.0	4,477.0	14.8	8.3	-179.71	-0.2	-30.0	397.0	374.3	22.76	17.443	
4,560.0	4,536.0	4,536.5	4,536.5	15.0	8.4	-179.71	-0.2	-30.0	404.9	381.8	23.07	17.548	
4,600.0	4,575.6	4,576.1	4,576.1	15.2	8.4	-179.72	-0.2	-30.0	410.1	386.8	23.28	17.616	
4,653.0	4,628.2	4,628.7	4,628.7	15.4	8.5	-179.72	-0.2	-30.0	417.0	393.5	23.54	17.715	
4,655.0	4,630.1	4,630.6	4,630.6	15.4	8.5	-179.72	-0.2	-30.0	417.3	393.7	23.55	17.718	
4,700.0	4,674.8	4,675.3	4,675.3	15.6	8.5	-179.73	-0.2	-30.0	422.9	399.2	23.77	17.794	
4,750.0	4,724.4	4,724.9	4,724.9	15.8	8.6	-179.73	-0.2	-30.0	428.8	404.8	24.02	17.852	
4,800.0	4,774.1	4,774.6	4,774.6	16.0	8.6	-179.73	-0.2	-30.0	434.3	410.0	24.28	17.891	
4,845.0	4,818.9	4,819.4	4,819.4	16.1	8.7	-179.74	-0.2	-30.0	438.9	414.4	24.50	17.914	
4,900.0	4,873.7	4,874.2	4,874.2	16.3	8.7	-179.74	-0.2	-30.0	443.9	419.2	24.77	17.923	
4,940.0	4,913.5	4,914.0	4,914.0	16.5	8.8	-179.74	-0.2	-30.0	447.3	422.4	24.96	17.920	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,973.4	4,973.9	4,973.9	16.7	8.8	-179.75	-0.2	-30.0	451.8	426.6	25.25	17.896	
5,035.0	5,008.3	5,008.8	5,008.8	16.8	8.9	-179.75	-0.2	-30.0	454.2	428.8	25.41	17.876	
5,100.0	5,073.2	5,073.7	5,073.7	17.1	8.9	-179.75	-0.2	-30.0	458.0	432.3	25.71	17.816	
5,130.0	5,103.1	5,103.6	5,103.6	17.2	9.0	-179.75	-0.2	-30.0	459.5	433.7	25.84	17.784	
5,200.0	5,173.1	5,173.6	5,173.6	17.4	9.0	-179.75	-0.2	-30.0	462.4	436.3	26.14	17.689	
5,225.0	5,198.1	5,198.6	5,198.6	17.5	9.1	-179.75	-0.2	-30.0	463.2	437.0	26.24	17.653	
5,300.0	5,273.0	5,273.5	5,273.5	17.7	9.1	-179.75	-0.2	-30.0	465.1	438.5	26.54	17.523	
5,320.0	5,293.0	5,293.5	5,293.5	17.7	9.2	-179.75	-0.2	-30.0	465.4	438.8	26.60	17.500	
5,403.0	5,376.0	5,376.5	5,376.5	17.8	9.2	-93.95	-0.2	-30.0	466.0	439.2	26.82	17.378	
5,415.0	5,388.0	5,388.5	5,388.5	17.9	9.3	-93.95	-0.2	-30.0	466.0	439.2	26.83	17.367	
5,500.0	5,473.0	5,473.5	5,473.5	17.9	9.3	-93.95	-0.2	-30.0	466.0	439.1	26.96	17.287	
5,510.0	5,483.0	5,483.5	5,483.5	17.9	9.4	-93.95	-0.2	-30.0	466.0	439.0	26.97	17.277	
5,600.0	5,573.0	5,573.5	5,573.5	17.9	9.4	-93.95	-0.2	-30.0	466.0	438.9	27.11	17.192	
5,605.0	5,578.0	5,578.5	5,578.5	17.9	9.4	-93.95	-0.2	-30.0	466.0	438.9	27.11	17.188	
5,700.0	5,673.0	5,673.5	5,673.5	18.0	9.5	-93.95	-0.2	-30.0	466.0	438.8	27.25	17.099	
5,795.0	5,768.0	5,768.5	5,768.5	18.0	9.6	-93.95	-0.2	-30.0	466.0	438.6	27.39	17.011	
5,800.0	5,773.0	5,773.5	5,773.5	18.0	9.6	-93.95	-0.2	-30.0	466.0	438.6	27.40	17.007	
5,890.0	5,863.0	5,863.5	5,863.5	18.1	9.7	-93.95	-0.2	-30.0	466.0	438.5	27.53	16.925	
5,900.0	5,873.0	5,873.5	5,873.5	18.1	9.7	-93.95	-0.2	-30.0	466.0	438.5	27.55	16.916	
5,985.0	5,958.0	5,958.5	5,958.5	18.1	9.8	-93.95	-0.2	-30.0	466.0	438.3	27.67	16.839	
6,000.0	5,973.0	5,973.5	5,973.5	18.1	9.8	-93.95	-0.2	-30.0	466.0	438.3	27.70	16.826	
6,080.0	6,053.0	6,053.5	6,053.5	18.1	9.9	-93.95	-0.2	-30.0	466.0	438.2	27.81	16.755	
6,100.0	6,073.0	6,073.5	6,073.5	18.1	10.0	-93.95	-0.2	-30.0	466.0	438.2	27.84	16.737	
6,175.0	6,148.0	6,148.5	6,148.5	18.2	10.0	-93.95	-0.2	-30.0	466.0	438.1	27.95	16.671	
6,200.0	6,173.0	6,173.5	6,173.5	18.2	10.1	-93.95	-0.2	-30.0	466.0	438.0	27.99	16.649	
6,270.0	6,243.0	6,243.5	6,243.5	18.2	10.1	-93.95	-0.2	-30.0	466.0	437.9	28.09	16.588	
6,300.0	6,273.0	6,273.5	6,273.5	18.2	10.2	-93.95	-0.2	-30.0	466.0	437.9	28.14	16.562	
6,365.0	6,338.0	6,338.5	6,338.5	18.3	10.2	-93.95	-0.2	-30.0	466.0	437.8	28.23	16.506	
6,400.0	6,373.0	6,373.5	6,373.5	18.3	10.3	-93.95	-0.2	-30.0	466.0	437.7	28.28	16.476	
6,460.0	6,433.0	6,433.5	6,433.5	18.3	10.3	-93.95	-0.2	-30.0	466.0	437.6	28.37	16.425	
6,500.0	6,473.0	6,473.5	6,473.5	18.3	10.3	-93.95	-0.2	-30.0	466.0	437.6	28.43	16.391	
6,555.0	6,528.0	6,528.5	6,528.5	18.3	10.4	-93.95	-0.2	-30.0	466.0	437.5	28.51	16.345	
6,600.0	6,573.0	6,573.5	6,573.5	18.4	10.4	-93.95	-0.2	-30.0	466.0	437.4	28.58	16.307	
6,650.0	6,623.0	6,623.5	6,623.5	18.4	10.5	-93.95	-0.2	-30.0	466.0	437.4	28.65	16.266	
6,700.0	6,673.0	6,673.5	6,673.5	18.4	10.5	-93.95	-0.2	-30.0	466.0	437.3	28.72	16.224	
6,745.0	6,718.0	6,718.5	6,718.5	18.4	10.6	-93.95	-0.2	-30.0	466.0	437.2	28.79	16.187	
6,800.0	6,773.0	6,773.5	6,773.5	18.5	10.6	-93.95	-0.2	-30.0	466.0	437.1	28.87	16.142	
6,840.0	6,813.0	6,813.5	6,813.5	18.5	10.7	-93.95	-0.2	-30.0	466.0	437.1	28.93	16.109	
6,900.0	6,873.0	6,873.5	6,873.5	18.5	10.7	-93.95	-0.2	-30.0	466.0	437.0	29.02	16.061	
6,935.0	6,908.0	6,908.5	6,908.5	18.5	10.8	-93.95	-0.2	-30.0	466.0	436.9	29.07	16.032	
7,000.0	6,973.0	6,973.5	6,973.5	18.5	10.8	-93.95	-0.2	-30.0	466.0	436.8	29.16	15.980	
7,030.0	7,003.0	7,003.5	7,003.5	18.6	10.9	-93.95	-0.2	-30.0	466.0	436.8	29.21	15.956	
7,100.0	7,073.0	7,073.5	7,073.5	18.6	10.9	-93.95	-0.2	-30.0	466.0	436.7	29.31	15.901	
7,125.0	7,098.0	7,098.5	7,098.5	18.6	11.0	-93.95	-0.2	-30.0	466.0	436.7	29.34	15.881	
7,200.0	7,173.0	7,173.5	7,173.5	18.6	11.0	-93.95	-0.2	-30.0	466.0	436.6	29.45	15.822	
7,220.0	7,193.0	7,193.5	7,193.5	18.7	11.1	-93.95	-0.2	-30.0	466.0	436.5	29.48	15.806	
7,300.0	7,273.0	7,273.5	7,273.5	18.7	11.1	-93.95	-0.2	-30.0	466.0	436.4	29.60	15.744	
7,315.0	7,288.0	7,288.5	7,288.5	18.7	11.1	-93.95	-0.2	-30.0	466.0	436.4	29.62	15.732	
7,400.0	7,373.0	7,373.5	7,373.5	18.7	11.2	-93.95	-0.2	-30.0	466.0	436.3	29.75	15.667	
7,410.0	7,383.0	7,383.5	7,383.5	18.7	11.2	-93.95	-0.2	-30.0	466.0	436.2	29.76	15.659	
7,500.0	7,473.0	7,473.5	7,473.5	18.8	11.3	-93.95	-0.2	-30.0	466.0	436.1	29.89	15.590	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,505.0	7,478.0	7,478.5	7,478.5	18.8	11.3	-93.95	-0.2	-30.0	466.0	436.1	29.90	15.586	
7,600.0	7,573.0	7,573.5	7,573.5	18.8	11.4	-93.95	-0.2	-30.0	466.0	436.0	30.04	15.514	
7,695.0	7,668.0	7,668.5	7,668.5	18.9	11.5	-93.95	-0.2	-30.0	466.0	435.8	30.18	15.443	
7,700.0	7,673.0	7,673.5	7,673.5	18.9	11.5	-93.95	-0.2	-30.0	466.0	435.8	30.18	15.440	
7,790.0	7,763.0	7,763.5	7,763.5	18.9	11.6	-93.95	-0.2	-30.0	466.0	435.7	30.31	15.373	
7,800.0	7,773.0	7,773.5	7,773.5	18.9	11.6	-93.95	-0.2	-30.0	466.0	435.7	30.33	15.365	
7,885.0	7,858.0	7,858.5	7,858.5	19.0	11.7	-93.95	-0.2	-30.0	466.0	435.6	30.45	15.303	
7,900.0	7,873.0	7,873.5	7,873.5	19.0	11.7	-93.95	-0.2	-30.0	466.0	435.5	30.47	15.292	
7,980.0	7,953.0	7,953.5	7,953.5	19.0	11.8	-93.95	-0.2	-30.0	466.0	435.4	30.59	15.234	
8,000.0	7,973.0	7,973.5	7,973.5	19.0	11.8	-93.95	-0.2	-30.0	466.0	435.4	30.62	15.219	
8,075.0	8,048.0	8,048.5	8,048.5	19.1	11.9	-93.95	-0.2	-30.0	466.0	435.3	30.73	15.165	
8,100.0	8,073.0	8,073.5	8,073.5	19.1	11.9	-93.95	-0.2	-30.0	466.0	435.2	30.77	15.147	
8,170.0	8,143.0	8,143.5	8,143.5	19.1	12.0	-93.95	-0.2	-30.0	466.0	435.1	30.87	15.097	
8,200.0	8,173.0	8,173.5	8,173.5	19.1	12.0	-93.95	-0.2	-30.0	466.0	435.1	30.91	15.076	
8,265.0	8,238.0	8,238.5	8,238.5	19.2	12.1	-93.95	-0.2	-30.0	466.0	435.0	31.01	15.030	
8,300.0	8,273.0	8,273.5	8,273.5	19.2	12.1	-93.95	-0.2	-30.0	466.0	435.0	31.06	15.005	
8,360.0	8,333.0	8,333.5	8,333.5	19.2	12.1	-93.95	-0.2	-30.0	466.0	434.9	31.14	14.963	
8,400.0	8,373.0	8,373.5	8,373.5	19.2	12.2	-93.95	-0.2	-30.0	466.0	434.8	31.20	14.935	
8,455.0	8,428.0	8,428.5	8,428.5	19.2	12.2	-93.95	-0.2	-30.0	466.0	434.7	31.28	14.897	
8,500.0	8,473.0	8,473.5	8,473.5	19.3	12.3	-93.95	-0.2	-30.0	466.0	434.7	31.35	14.866	
8,550.0	8,523.0	8,523.5	8,523.5	19.3	12.3	-93.95	-0.2	-30.0	466.0	434.6	31.42	14.831	
8,600.0	8,573.0	8,573.5	8,573.5	19.3	12.4	-93.95	-0.2	-30.0	466.0	434.5	31.49	14.797	
8,645.0	8,618.0	8,618.5	8,618.5	19.3	12.4	-93.95	-0.2	-30.0	466.0	434.4	31.56	14.766	
8,700.0	8,673.0	8,673.5	8,673.5	19.4	12.5	-93.95	-0.2	-30.0	466.0	434.4	31.64	14.729	
8,740.0	8,713.0	8,713.5	8,713.5	19.4	12.5	-93.95	-0.2	-30.0	466.0	434.3	31.70	14.702	
8,800.0	8,773.0	8,773.5	8,773.5	19.4	12.6	-93.95	-0.2	-30.0	466.0	434.2	31.79	14.661	
8,835.0	8,808.0	8,808.5	8,808.5	19.4	12.6	-93.95	-0.2	-30.0	466.0	434.2	31.84	14.638	
8,900.0	8,873.0	8,873.5	8,873.5	19.5	12.7	-93.95	-0.2	-30.0	466.0	434.1	31.93	14.594	
8,930.0	8,903.0	8,903.5	8,903.5	19.5	12.7	-93.95	-0.2	-30.0	466.0	434.0	31.97	14.574	
9,000.0	8,973.0	8,973.5	8,973.5	19.5	12.8	-93.95	-0.2	-30.0	466.0	433.9	32.08	14.528	
9,025.0	8,998.0	8,998.5	8,998.5	19.5	12.8	-93.95	-0.2	-30.0	466.0	433.9	32.11	14.511	
9,100.0	9,073.0	9,073.5	9,073.5	19.6	12.8	-93.95	-0.2	-30.0	466.0	433.8	32.22	14.462	
9,120.0	9,093.0	9,093.5	9,093.5	19.6	12.9	-93.95	-0.2	-30.0	466.0	433.8	32.25	14.449	
9,200.0	9,173.0	9,173.5	9,173.5	19.6	12.9	-93.95	-0.2	-30.0	466.0	433.6	32.37	14.397	
9,215.0	9,188.0	9,188.5	9,188.5	19.6	13.0	-93.95	-0.2	-30.0	466.0	433.6	32.39	14.387	
9,300.0	9,273.0	9,273.5	9,273.5	19.7	13.0	-93.95	-0.2	-30.0	466.0	433.5	32.51	14.333	
9,310.0	9,283.0	9,283.5	9,283.5	19.7	13.0	-93.95	-0.2	-30.0	466.0	433.5	32.53	14.326	
9,400.0	9,373.0	9,373.5	9,373.5	19.7	13.1	-93.95	-0.2	-30.0	466.0	433.3	32.66	14.269	
9,405.0	9,378.0	9,378.5	9,378.5	19.7	13.1	-93.95	-0.2	-30.0	466.0	433.3	32.67	14.265	
9,500.0	9,473.0	9,473.5	9,473.5	19.8	13.2	-93.95	-0.2	-30.0	466.0	433.2	32.81	14.205	
9,595.0	9,568.0	9,568.5	9,568.5	19.8	13.3	-93.95	-0.2	-30.0	466.0	433.1	32.94	14.145	
9,600.0	9,573.0	9,573.5	9,573.5	19.8	13.3	-93.95	-0.2	-30.0	466.0	433.1	32.95	14.142	
9,690.0	9,663.0	9,663.5	9,663.5	19.9	13.4	-93.95	-0.2	-30.0	466.0	432.9	33.08	14.086	
9,700.0	9,673.0	9,673.5	9,673.5	19.9	13.4	-93.95	-0.2	-30.0	466.0	432.9	33.10	14.080	
9,785.0	9,758.0	9,758.5	9,758.5	19.9	13.5	-93.95	-0.2	-30.0	466.0	432.8	33.22	14.027	
9,800.0	9,773.0	9,773.5	9,773.5	19.9	13.5	-93.95	-0.2	-30.0	466.0	432.8	33.24	14.018	
9,880.0	9,853.0	9,853.5	9,853.5	20.0	13.6	-93.95	-0.2	-30.0	466.0	432.6	33.36	13.969	
9,900.0	9,873.0	9,873.5	9,873.5	20.0	13.6	-93.95	-0.2	-30.0	466.0	432.6	33.39	13.957	
9,921.5	9,894.5	9,895.0	9,895.0	20.0	13.6	-93.95	-0.2	-30.0	466.0	432.6	33.41	13.947	
9,925.0	9,898.0	9,898.5	9,898.5	20.0	13.6	-93.57	-0.2	-30.0	466.0	432.6	33.42	13.946	
9,950.0	9,923.0	9,923.5	9,923.5	20.0	13.6	-93.66	-0.2	-30.0	466.1	432.6	33.44	13.937	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,975.0	9,947.9	9,948.4	9,948.4	20.0	13.7	-93.91	-0.2	-30.0	466.2	432.7	33.47	13.930	
10,000.0	9,972.7	9,973.2	9,973.2	20.0	13.7	-94.30	-0.2	-30.0	466.5	433.0	33.49	13.927	
10,025.0	9,997.2	9,997.7	9,997.7	20.0	13.7	-94.82	-0.2	-30.0	466.8	433.3	33.52	13.928	
10,050.0	10,021.5	10,022.0	10,022.0	20.0	13.7	-95.47	-0.2	-30.0	467.4	433.9	33.53	13.938	
10,070.0	10,040.6	10,041.1	10,041.1	20.0	13.7	-96.06	-0.2	-30.0	468.0	434.4	33.54	13.951	
10,075.0	10,045.4	10,045.9	10,045.9	20.0	13.7	-96.22	-0.2	-30.0	468.2	434.6	33.55	13.956	
10,100.0	10,068.9	10,069.4	10,069.4	20.0	13.7	-97.07	-0.2	-30.0	469.2	435.7	33.56	13.983	
10,125.0	10,091.9	10,093.2	10,093.2	20.0	13.8	-98.02	-0.1	-30.0	470.6	437.0	33.56	14.023	
10,150.0	10,114.4	10,119.1	10,119.1	20.0	13.8	-99.07	1.0	-30.0	472.3	438.7	33.56	14.074	
10,165.0	10,127.6	10,135.0	10,134.9	20.0	13.8	-99.69	2.4	-30.1	473.4	439.8	33.56	14.107	
10,175.0	10,136.3	10,145.7	10,145.6	20.0	13.8	-100.10	3.6	-30.2	474.2	440.6	33.56	14.131	
10,200.0	10,157.5	10,173.0	10,172.5	20.0	13.8	-101.11	7.8	-30.4	476.3	442.7	33.56	14.193	
10,225.0	10,178.0	10,201.0	10,199.9	20.0	13.8	-102.10	13.7	-30.7	478.7	445.1	33.57	14.260	
10,250.0	10,197.7	10,229.8	10,227.6	20.0	13.8	-103.08	21.4	-31.1	481.2	447.6	33.59	14.328	
10,260.0	10,205.4	10,241.5	10,238.7	20.0	13.8	-103.46	25.0	-31.3	482.3	448.7	33.60	14.356	
10,275.0	10,216.6	10,259.4	10,255.6	20.0	13.9	-104.02	31.1	-31.6	484.0	450.3	33.61	14.397	
10,300.0	10,234.6	10,289.9	10,283.7	20.0	13.9	-104.94	42.8	-32.3	486.8	453.2	33.66	14.464	
10,325.0	10,251.7	10,321.2	10,311.8	20.0	13.9	-105.83	56.7	-33.0	489.8	456.1	33.72	14.527	
10,350.0	10,267.8	10,353.6	10,339.7	20.1	14.0	-106.68	73.0	-33.9	492.9	459.1	33.80	14.583	
10,355.0	10,270.9	10,360.1	10,345.3	20.1	14.0	-106.84	76.5	-34.0	493.5	459.7	33.82	14.593	
10,375.0	10,282.9	10,386.9	10,367.3	20.1	14.0	-107.48	91.7	-34.9	496.0	462.1	33.90	14.631	
10,400.0	10,296.9	10,421.2	10,394.2	20.1	14.0	-108.24	112.8	-36.0	499.2	465.2	34.03	14.669	
10,425.0	10,309.8	10,456.4	10,420.2	20.1	14.1	-108.94	136.6	-37.2	502.3	468.1	34.18	14.696	
10,450.0	10,321.5	10,492.7	10,445.1	20.1	14.1	-109.58	162.9	-38.7	505.4	471.0	34.35	14.712	
10,475.0	10,332.1	10,530.0	10,468.5	20.1	14.2	-110.14	191.9	-40.2	508.3	473.8	34.54	14.717	
10,500.0	10,341.5	10,568.1	10,490.1	20.1	14.2	-110.63	223.3	-41.9	511.1	476.4	34.74	14.711	
10,525.0	10,349.7	10,607.1	10,509.4	20.2	14.3	-111.03	257.1	-43.7	513.8	478.8	34.96	14.697	
10,545.0	10,355.3	10,638.9	10,523.1	20.2	14.3	-111.29	285.7	-45.2	515.7	480.6	35.13	14.681	
10,550.0	10,356.6	10,646.9	10,526.2	20.2	14.3	-111.34	293.1	-45.6	516.2	481.0	35.17	14.676	
10,575.0	10,362.3	10,687.3	10,540.2	20.2	14.3	-111.55	331.0	-47.6	518.3	483.0	35.38	14.652	
10,600.0	10,366.7	10,728.3	10,551.0	20.2	14.4	-111.65	370.4	-49.7	520.2	484.6	35.57	14.626	
10,625.0	10,369.7	10,769.6	10,558.5	20.3	14.4	-111.63	411.0	-51.9	521.8	486.1	35.74	14.600	
10,640.0	10,371.0	10,794.5	10,561.2	20.3	14.4	-111.57	435.7	-53.2	522.6	486.8	35.83	14.586	
10,650.0	10,371.5	10,811.1	10,562.4	20.3	14.4	-111.51	452.2	-54.1	523.1	487.2	35.89	14.577	
10,669.7	10,372.0	10,841.2	10,563.0	20.3	14.4	-111.35	482.3	-55.7	523.9	487.9	35.97	14.564	
10,700.0	10,372.1	10,877.7	10,563.1	20.4	14.4	-111.30	518.7	-57.3	525.0	488.9	36.09	14.546	
10,735.0	10,372.2	10,919.9	10,563.3	20.4	14.4	-111.25	560.9	-58.6	525.7	489.5	36.24	14.507	
10,800.0	10,372.5	10,993.0	10,563.5	20.5	14.5	-111.23	634.0	-59.5	526.0	489.5	36.52	14.405	
10,830.0	10,372.6	11,023.0	10,563.6	20.6	14.5	-111.23	664.0	-59.7	526.0	489.4	36.65	14.351	
10,900.0	10,372.9	11,093.0	10,563.8	20.7	14.7	-111.23	734.0	-60.1	526.0	489.0	36.98	14.225	
10,925.0	10,373.0	11,118.0	10,563.9	20.8	14.8	-111.22	759.0	-60.3	526.0	488.9	37.11	14.176	
11,000.0	10,373.2	11,193.0	10,564.1	21.0	15.1	-111.22	834.0	-60.8	526.0	488.5	37.50	14.027	
11,020.0	10,373.3	11,213.0	10,564.2	21.0	15.1	-111.22	854.0	-60.9	526.0	488.4	37.61	13.985	
11,100.0	10,373.6	11,293.0	10,564.4	21.2	15.4	-111.21	934.0	-61.5	525.9	487.9	38.07	13.815	
11,115.0	10,373.7	11,308.0	10,564.5	21.3	15.5	-111.21	949.0	-61.6	525.9	487.8	38.16	13.782	
11,200.0	10,374.0	11,393.0	10,564.7	21.5	15.8	-111.20	1,034.0	-62.1	525.9	487.2	38.70	13.591	
11,210.0	10,374.0	11,403.0	10,564.8	21.5	15.8	-111.20	1,044.0	-62.2	525.9	487.2	38.76	13.568	
11,300.0	10,374.4	11,493.0	10,565.0	21.8	16.2	-111.20	1,134.0	-62.8	525.9	486.5	39.37	13.357	
11,305.0	10,374.4	11,498.0	10,565.0	21.8	16.2	-111.20	1,139.0	-62.9	525.9	486.5	39.41	13.345	
11,400.0	10,374.8	11,593.0	10,565.3	22.1	16.6	-111.19	1,234.0	-63.5	525.9	485.8	40.10	13.115	
11,495.0	10,375.1	11,688.0	10,565.6	22.4	17.1	-111.18	1,329.0	-64.1	525.8	485.0	40.83	12.879	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,500.0	10,375.1	11,693.0	10,565.7	22.4	17.1	-111.18	1,334.0	-64.2	525.8	485.0	40.87	12.867	
11,590.0	10,375.5	11,783.0	10,565.9	22.8	17.5	-111.18	1,424.0	-64.8	525.8	484.2	41.60	12.641	
11,600.0	10,375.5	11,793.0	10,566.0	22.8	17.6	-111.18	1,434.0	-64.8	525.8	484.1	41.68	12.616	
11,685.0	10,375.8	11,878.0	10,566.2	23.1	18.0	-111.17	1,519.0	-65.4	525.8	483.4	42.40	12.400	
11,700.0	10,375.9	11,893.0	10,566.3	23.2	18.1	-111.17	1,534.0	-65.5	525.8	483.3	42.53	12.363	
11,780.0	10,376.2	11,973.0	10,566.5	23.5	18.5	-111.16	1,614.0	-66.0	525.8	482.5	43.24	12.159	
11,800.0	10,376.3	11,993.0	10,566.6	23.6	18.6	-111.16	1,634.0	-66.2	525.8	482.3	43.42	12.109	
11,875.0	10,376.5	12,068.0	10,566.8	23.9	19.0	-111.16	1,709.0	-66.7	525.7	481.6	44.11	11.919	
11,900.0	10,376.6	12,093.0	10,566.9	24.0	19.1	-111.16	1,734.0	-66.9	525.7	481.4	44.34	11.856	
11,970.0	10,376.9	12,163.0	10,567.1	24.3	19.5	-111.15	1,804.0	-67.3	525.7	480.7	45.01	11.680	
12,000.0	10,377.0	12,193.0	10,567.2	24.5	19.7	-111.15	1,834.0	-67.5	525.7	480.4	45.30	11.606	
12,065.0	10,377.3	12,258.0	10,567.4	24.7	20.0	-111.15	1,899.0	-68.0	525.7	479.8	45.94	11.443	
12,100.0	10,377.4	12,293.0	10,567.5	24.9	20.2	-111.14	1,934.0	-68.2	525.7	479.4	46.29	11.357	
12,160.0	10,377.6	12,353.0	10,567.7	25.2	20.6	-111.14	1,994.0	-68.6	525.7	478.8	46.90	11.210	
12,200.0	10,377.8	12,393.0	10,567.8	25.4	20.8	-111.14	2,034.0	-68.9	525.7	478.4	47.30	11.113	
12,255.0	10,378.0	12,448.0	10,568.0	25.6	21.1	-111.13	2,088.9	-69.2	525.6	477.8	47.88	10.979	
12,300.0	10,378.1	12,493.0	10,568.1	25.9	21.4	-111.13	2,133.9	-69.5	525.6	477.3	48.35	10.873	
12,350.0	10,378.3	12,543.0	10,568.3	26.1	21.7	-111.13	2,183.9	-69.9	525.6	476.7	48.88	10.754	
12,400.0	10,378.5	12,593.0	10,568.4	26.3	22.0	-111.12	2,233.9	-70.2	525.6	476.2	49.41	10.637	
12,445.0	10,378.7	12,638.0	10,568.6	26.6	22.3	-111.12	2,278.9	-70.5	525.6	475.7	49.90	10.532	
12,500.0	10,378.9	12,693.0	10,568.7	26.9	22.6	-111.12	2,333.9	-70.9	525.6	475.1	50.51	10.406	
12,540.0	10,379.1	12,733.0	10,568.9	27.1	22.8	-111.11	2,373.9	-71.2	525.6	474.6	50.95	10.315	
12,600.0	10,379.3	12,793.0	10,569.0	27.4	23.2	-111.11	2,433.9	-71.6	525.6	473.9	51.62	10.181	
12,635.0	10,379.4	12,828.0	10,569.2	27.6	23.4	-111.11	2,468.9	-71.8	525.5	473.5	52.02	10.103	
12,700.0	10,379.7	12,893.0	10,569.4	27.9	23.8	-111.10	2,533.9	-72.2	525.5	472.8	52.76	9.962	
12,730.0	10,379.8	12,923.0	10,569.4	28.1	24.0	-111.10	2,563.9	-72.4	525.5	472.4	53.10	9.897	
12,800.0	10,380.0	12,993.0	10,569.7	28.4	24.5	-111.09	2,633.9	-72.9	525.5	471.6	53.91	9.748	
12,825.0	10,380.1	13,018.0	10,569.7	28.6	24.6	-111.09	2,658.9	-73.1	525.5	471.3	54.20	9.695	
12,900.0	10,380.4	13,093.0	10,570.0	29.0	25.1	-111.09	2,733.9	-73.6	525.5	470.4	55.08	9.540	
12,920.0	10,380.5	13,113.0	10,570.0	29.1	25.2	-111.09	2,753.9	-73.7	525.5	470.2	55.32	9.499	
13,000.0	10,380.8	13,193.0	10,570.3	29.6	25.8	-111.08	2,833.9	-74.3	525.5	469.2	56.27	9.338	
13,015.0	10,380.8	13,208.0	10,570.3	29.6	25.9	-111.08	2,848.9	-74.4	525.5	469.0	56.45	9.308	
13,100.0	10,381.2	13,293.0	10,570.6	30.1	26.4	-111.07	2,933.9	-74.9	525.4	467.9	57.48	9.141	
13,110.0	10,381.2	13,303.0	10,570.6	30.2	26.5	-111.07	2,943.9	-75.0	525.4	467.8	57.60	9.122	
13,200.0	10,381.5	13,393.0	10,570.9	30.7	27.1	-111.07	3,033.9	-75.6	525.4	466.7	58.70	8.951	
13,205.0	10,381.6	13,398.0	10,570.9	30.7	27.1	-111.07	3,038.9	-75.6	525.4	466.6	58.76	8.941	
13,300.0	10,381.9	13,493.0	10,571.2	31.3	27.7	-111.06	3,133.9	-76.3	525.4	465.4	59.94	8.766	
13,395.0	10,382.3	13,588.0	10,571.5	31.9	28.4	-111.05	3,228.9	-76.9	525.4	464.2	61.12	8.595	
13,400.0	10,382.3	13,593.0	10,571.5	31.9	28.4	-111.05	3,233.9	-76.9	525.4	464.2	61.19	8.586	
13,490.0	10,382.6	13,683.0	10,571.8	32.4	29.0	-111.05	3,323.9	-77.6	525.3	463.0	62.32	8.429	
13,500.0	10,382.7	13,693.0	10,571.8	32.5	29.1	-111.05	3,333.9	-77.6	525.3	462.9	62.45	8.412	
13,585.0	10,383.0	13,778.0	10,572.1	33.0	29.7	-111.04	3,418.9	-78.2	525.3	461.8	63.53	8.269	
13,600.0	10,383.0	13,793.0	10,572.1	33.1	29.8	-111.04	3,433.9	-78.3	525.3	461.6	63.72	8.244	
13,680.0	10,383.3	13,873.0	10,572.4	33.6	30.3	-111.03	3,513.9	-78.8	525.3	460.5	64.75	8.113	
13,700.0	10,383.4	13,893.0	10,572.4	33.7	30.4	-111.03	3,533.9	-79.0	525.3	460.3	65.00	8.081	
13,775.0	10,383.7	13,968.0	10,572.7	34.2	31.0	-111.03	3,608.9	-79.5	525.3	459.3	65.97	7.961	
13,800.0	10,383.8	13,993.0	10,572.8	34.3	31.1	-111.03	3,633.9	-79.6	525.2	458.9	66.30	7.922	
13,870.0	10,384.1	14,063.0	10,573.0	34.8	31.6	-111.02	3,703.9	-80.1	525.2	458.0	67.21	7.815	
13,900.0	10,384.2	14,093.0	10,573.1	34.9	31.8	-111.02	3,733.9	-80.3	525.2	457.6	67.60	7.769	
13,965.0	10,384.4	14,158.0	10,573.3	35.4	32.3	-111.01	3,798.9	-80.8	525.2	456.7	68.46	7.672	
14,000.0	10,384.6	14,193.0	10,573.4	35.6	32.5	-111.01	3,833.9	-81.0	525.2	456.3	68.92	7.621	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,060.0	10,384.8	14,253.0	10,573.6	36.0	32.9	-111.01	3,893.9	-81.4	525.2	455.5	69.71	7.534	
14,100.0	10,384.9	14,293.0	10,573.7	36.2	33.2	-111.01	3,933.9	-81.7	525.2	454.9	70.24	7.477	
14,155.0	10,385.1	14,348.0	10,573.8	36.6	33.6	-111.00	3,988.9	-82.0	525.2	454.2	70.97	7.399	
14,200.0	10,385.3	14,393.0	10,574.0	36.9	33.9	-111.00	4,033.9	-82.3	525.1	453.6	71.57	7.337	
14,250.0	10,385.5	14,443.0	10,574.1	37.2	34.3	-110.99	4,083.9	-82.7	525.1	452.9	72.24	7.269	
14,300.0	10,385.7	14,493.0	10,574.3	37.5	34.6	-110.99	4,133.9	-83.0	525.1	452.2	72.91	7.202	
14,345.0	10,385.9	14,538.0	10,574.4	37.8	34.9	-110.99	4,178.9	-83.3	525.1	451.6	73.52	7.143	
14,400.0	10,386.1	14,593.0	10,574.6	38.2	35.3	-110.98	4,233.9	-83.7	525.1	450.8	74.26	7.071	
14,440.0	10,386.2	14,633.0	10,574.7	38.4	35.6	-110.98	4,273.9	-83.9	525.1	450.3	74.80	7.020	
14,500.0	10,386.4	14,693.0	10,574.9	38.8	36.0	-110.98	4,333.9	-84.4	525.1	449.5	75.61	6.944	
14,535.0	10,386.6	14,728.0	10,575.0	39.0	36.3	-110.98	4,368.9	-84.6	525.1	449.0	76.09	6.901	
14,600.0	10,386.8	14,793.0	10,575.2	39.5	36.7	-110.97	4,433.9	-85.0	525.0	448.1	76.97	6.821	
14,630.0	10,386.9	14,823.0	10,575.3	39.7	37.0	-110.97	4,463.9	-85.2	525.0	447.7	77.38	6.785	
14,700.0	10,387.2	14,893.0	10,575.5	40.1	37.4	-110.96	4,533.9	-85.7	525.0	446.7	78.34	6.702	
14,725.0	10,387.3	14,918.0	10,575.6	40.3	37.6	-110.96	4,558.9	-85.9	525.0	446.3	78.68	6.673	
14,800.0	10,387.6	14,993.0	10,575.8	40.8	38.2	-110.96	4,633.9	-86.4	525.0	445.3	79.71	6.586	
14,820.0	10,387.6	15,013.0	10,575.9	40.9	38.3	-110.96	4,653.9	-86.5	525.0	445.0	79.99	6.564	
14,900.0	10,387.9	15,093.0	10,576.1	41.5	38.9	-110.95	4,733.9	-87.0	525.0	443.9	81.09	6.474	
14,915.0	10,388.0	15,108.0	10,576.2	41.6	39.0	-110.95	4,748.9	-87.1	525.0	443.7	81.30	6.457	
15,000.0	10,388.3	15,193.0	10,576.5	42.1	39.6	-110.94	4,833.9	-87.7	524.9	442.5	82.47	6.365	
15,010.0	10,388.4	15,203.0	10,576.5	42.2	39.7	-110.94	4,843.9	-87.8	524.9	442.3	82.61	6.354	
15,100.0	10,388.7	15,293.0	10,576.8	42.8	40.3	-110.94	4,933.9	-88.4	524.9	441.1	83.86	6.259	
15,105.0	10,388.7	15,298.0	10,576.8	42.8	40.3	-110.94	4,938.9	-88.4	524.9	441.0	83.93	6.254	
15,200.0	10,389.1	15,393.0	10,577.1	43.5	41.0	-110.93	5,033.9	-89.1	524.9	439.6	85.25	6.157	
15,295.0	10,389.4	15,488.0	10,577.4	44.1	41.7	-110.92	5,128.9	-89.7	524.9	438.3	86.58	6.062	
15,300.0	10,389.5	15,493.0	10,577.4	44.2	41.8	-110.92	5,133.9	-89.7	524.9	438.2	86.65	6.057	
15,390.0	10,389.8	15,583.0	10,577.7	44.8	42.4	-110.92	5,223.9	-90.3	524.8	436.9	87.92	5.970	
15,400.0	10,389.8	15,593.0	10,577.7	44.8	42.5	-110.92	5,233.9	-90.4	524.8	436.8	88.06	5.960	
15,485.0	10,390.2	15,678.0	10,578.0	45.4	43.1	-110.91	5,318.9	-91.0	524.8	435.6	89.25	5.880	
15,500.0	10,390.2	15,693.0	10,578.0	45.5	43.2	-110.91	5,333.9	-91.1	524.8	435.3	89.46	5.866	
15,580.0	10,390.5	15,773.0	10,578.2	46.1	43.8	-110.90	5,413.9	-91.6	524.8	434.2	90.59	5.793	
15,600.0	10,390.6	15,793.0	10,578.3	46.2	43.9	-110.90	5,433.9	-91.8	524.8	433.9	90.88	5.775	
15,675.0	10,390.9	15,868.0	10,578.5	46.7	44.5	-110.90	5,508.9	-92.3	524.8	432.8	91.94	5.708	
15,700.0	10,391.0	15,893.0	10,578.6	46.9	44.7	-110.89	5,533.9	-92.4	524.8	432.5	92.29	5.686	
15,770.0	10,391.2	15,963.0	10,578.8	47.4	45.2	-110.89	5,603.9	-92.9	524.7	431.5	93.28	5.625	
15,800.0	10,391.3	15,993.0	10,578.9	47.6	45.4	-110.89	5,633.9	-93.1	524.7	431.0	93.71	5.600	
15,865.0	10,391.6	16,058.0	10,579.1	48.1	45.9	-110.88	5,698.8	-93.5	524.7	430.1	94.63	5.545	
15,900.0	10,391.7	16,093.0	10,579.2	48.3	46.1	-110.88	5,733.8	-93.8	524.7	429.6	95.13	5.516	
15,960.0	10,391.9	16,153.0	10,579.4	48.7	46.6	-110.88	5,793.8	-94.2	524.7	428.7	95.99	5.466	
16,000.0	10,392.1	16,193.0	10,579.5	49.0	46.8	-110.87	5,833.8	-94.4	524.7	428.1	96.56	5.434	
16,055.0	10,392.3	16,248.0	10,579.7	49.4	47.3	-110.87	5,888.8	-94.8	524.7	427.3	97.34	5.390	
16,100.0	10,392.5	16,293.0	10,579.9	49.7	47.6	-110.87	5,933.8	-95.1	524.7	426.7	97.99	5.354	
16,150.0	10,392.7	16,343.0	10,580.0	50.0	47.9	-110.86	5,983.8	-95.5	524.6	425.9	98.70	5.315	
16,200.0	10,392.8	16,393.0	10,580.2	50.4	48.3	-110.86	6,033.8	-95.8	524.6	425.2	99.42	5.277	
16,245.0	10,393.0	16,438.0	10,580.3	50.7	48.6	-110.86	6,078.8	-96.1	524.6	424.6	100.07	5.243	
16,300.0	10,393.2	16,493.0	10,580.5	51.1	49.0	-110.85	6,133.8	-96.5	524.6	423.7	100.85	5.202	
16,340.0	10,393.4	16,533.0	10,580.6	51.4	49.3	-110.85	6,173.8	-96.7	524.6	423.2	101.43	5.172	
16,400.0	10,393.6	16,593.0	10,580.8	51.8	49.8	-110.85	6,233.8	-97.1	524.6	422.3	102.29	5.128	
16,435.0	10,393.7	16,628.0	10,580.9	52.0	50.0	-110.84	6,268.8	-97.4	524.6	421.8	102.80	5.103	
16,500.0	10,394.0	16,693.0	10,581.1	52.5	50.5	-110.84	6,333.8	-97.8	524.6	420.8	103.73	5.057	
16,530.0	10,394.1	16,723.0	10,581.2	52.7	50.7	-110.84	6,363.8	-98.0	524.5	420.4	104.17	5.036	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #902H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 2000-r.5 MWD+IFR1+MS, 10086-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
16,600.0	10,394.4	16,793.0	10,581.4	53.2	51.3	-110.83	6,433.8	-98.5	524.5	419.3	105.18	4.987	
16,625.0	10,394.5	16,818.0	10,581.5	53.4	51.4	-110.83	6,458.8	-98.7	524.5	419.0	105.54	4.970	
16,700.0	10,394.7	16,893.0	10,581.7	53.9	52.0	-110.83	6,533.8	-99.2	524.5	417.9	106.62	4.919	
16,720.0	10,394.8	16,913.0	10,581.8	54.1	52.1	-110.82	6,553.8	-99.3	524.5	417.6	106.91	4.906	
16,800.0	10,395.1	16,993.0	10,582.0	54.6	52.7	-110.82	6,633.8	-99.8	524.5	416.4	108.07	4.853	
16,815.0	10,395.2	17,008.0	10,582.1	54.7	52.8	-110.82	6,648.8	-99.9	524.5	416.2	108.29	4.843	
16,900.0	10,395.5	17,093.0	10,582.3	55.3	53.5	-110.81	6,733.8	-100.5	524.4	414.9	109.52	4.789	
16,910.0	10,395.5	17,103.0	10,582.4	55.4	53.5	-110.81	6,743.8	-100.6	524.4	414.8	109.67	4.782	
17,000.0	10,395.9	17,193.0	10,582.6	56.1	54.2	-110.80	6,833.8	-101.2	524.4	413.4	110.97	4.726	
17,005.0	10,395.9	17,198.0	10,582.6	56.1	54.2	-110.80	6,838.8	-101.2	524.4	413.4	111.05	4.723	
17,100.0	10,396.2	17,293.0	10,582.9	56.8	54.9	-110.80	6,933.8	-101.8	524.4	412.0	112.43	4.664	
17,195.0	10,396.6	17,388.0	10,583.2	57.5	55.7	-110.79	7,028.8	-102.5	524.4	410.6	113.81	4.607	
17,200.0	10,396.6	17,393.0	10,583.2	57.5	55.7	-110.79	7,033.8	-102.5	524.4	410.5	113.89	4.604	
17,290.0	10,397.0	17,483.0	10,583.5	58.1	56.4	-110.78	7,123.8	-103.1	524.3	409.1	115.20	4.552	
17,300.0	10,397.0	17,493.0	10,583.6	58.2	56.4	-110.78	7,133.8	-103.2	524.3	409.0	115.35	4.546	
17,385.0	10,397.3	17,578.0	10,583.8	58.8	57.1	-110.78	7,218.8	-103.8	524.3	407.7	116.59	4.497	
17,400.0	10,397.4	17,593.0	10,583.9	58.9	57.2	-110.78	7,233.8	-103.9	524.3	407.5	116.81	4.489	
17,480.0	10,397.7	17,673.0	10,584.1	59.5	57.8	-110.77	7,313.8	-104.4	524.3	406.3	117.98	4.444	
17,500.0	10,397.8	17,693.0	10,584.2	59.6	57.9	-110.77	7,333.8	-104.5	524.3	406.0	118.27	4.433	
17,575.0	10,398.0	17,768.0	10,584.4	60.2	58.5	-110.77	7,408.8	-105.0	524.3	404.9	119.37	4.392	
17,600.0	10,398.1	17,793.0	10,584.5	60.4	58.7	-110.76	7,433.8	-105.2	524.3	404.5	119.73	4.379	
17,670.0	10,398.4	17,863.0	10,584.7	60.9	59.2	-110.76	7,503.8	-105.7	524.3	403.5	120.76	4.341	
17,700.0	10,398.5	17,893.0	10,584.8	61.1	59.4	-110.76	7,533.8	-105.9	524.2	403.0	121.20	4.325	
17,765.0	10,398.7	17,958.0	10,585.0	61.6	59.9	-110.75	7,598.8	-106.3	524.2	402.1	122.15	4.292	
17,800.0	10,398.9	17,993.0	10,585.1	61.8	60.1	-110.75	7,633.8	-106.6	524.2	401.6	122.67	4.273	
17,860.0	10,399.1	18,053.0	10,585.3	62.2	60.6	-110.75	7,693.8	-107.0	524.2	400.7	123.55	4.243	
17,900.0	10,399.3	18,093.0	10,585.4	62.5	60.9	-110.74	7,733.8	-107.2	524.2	400.1	124.14	4.223	
17,955.0	10,399.5	18,148.0	10,585.6	62.9	61.3	-110.74	7,788.8	-107.6	524.2	399.2	124.95	4.195	
18,000.0	10,399.6	18,193.0	10,585.7	63.3	61.6	-110.74	7,833.8	-107.9	524.2	398.6	125.61	4.173	
18,046.6	10,399.8	18,239.6	10,585.9	63.6	62.0	-110.73	7,880.4	-108.2	524.2	397.9	126.29	4.150	
18,050.0	10,399.8	18,243.0	10,585.9	63.6	62.0	-110.73	7,883.8	-108.2	524.2	397.8	126.34	4.149	
18,091.7	10,400.0	18,284.7	10,586.0	63.9	62.3	-110.73	7,925.5	-108.5	524.1	397.2	126.95	4.129	
18,096.7	10,400.0	18,284.8	10,586.0	64.0	62.3	-110.73	7,925.6	-108.5	524.2	397.2	126.96	4.129	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.1	1.1	3.0	3.0	-90.31	-0.3	-60.0	60.0				
95.0	95.0	96.1	96.1	3.0	3.0	-90.31	-0.3	-60.0	60.0	53.9	6.05	9.910	
100.0	100.0	101.1	101.1	3.0	3.0	-90.31	-0.3	-60.0	60.0	53.9	6.06	9.899	
190.0	190.0	191.1	191.1	3.1	3.1	-90.31	-0.3	-60.0	60.0	53.7	6.27	9.563	
200.0	200.0	201.1	201.1	3.2	3.2	-90.31	-0.3	-60.0	60.0	53.7	6.30	9.514	
285.0	285.0	286.1	286.1	3.3	3.3	-90.31	-0.3	-60.0	60.0	53.5	6.50	9.226	
300.0	300.0	301.1	301.1	3.3	3.3	-90.31	-0.3	-60.0	60.0	53.4	6.54	9.171	
380.0	380.0	381.1	381.1	3.4	3.4	-90.31	-0.3	-60.0	60.0	53.2	6.72	8.926	
400.0	400.0	401.1	401.1	3.4	3.4	-90.31	-0.3	-60.0	60.0	53.2	6.77	8.863	
475.0	475.0	476.1	476.1	3.5	3.5	-90.31	-0.3	-60.0	60.0	53.0	6.93	8.654	
500.0	500.0	501.1	501.1	3.5	3.5	-90.31	-0.3	-60.0	60.0	53.0	6.99	8.584	
570.0	570.0	571.1	571.1	3.6	3.6	-90.31	-0.3	-60.0	60.0	52.8	7.13	8.406	
600.0	600.0	601.1	601.1	3.6	3.6	-90.31	-0.3	-60.0	60.0	52.8	7.20	8.330	
665.0	665.0	666.1	666.1	3.7	3.7	-90.31	-0.3	-60.0	60.0	52.6	7.33	8.178	
700.0	700.0	701.1	701.1	3.8	3.8	-90.31	-0.3	-60.0	60.0	52.6	7.41	8.097	
760.0	760.0	761.1	761.1	3.8	3.8	-90.31	-0.3	-60.0	60.0	52.4	7.53	7.968	
800.0	800.0	801.1	801.1	3.9	3.9	-90.31	-0.3	-60.0	60.0	52.4	7.61	7.882	
855.0	855.0	856.1	856.1	4.0	4.0	-90.31	-0.3	-60.0	60.0	52.2	7.71	7.773	
900.0	900.0	901.1	901.1	4.0	4.0	-90.31	-0.3	-60.0	60.0	52.2	7.80	7.684	
950.0	950.0	951.1	951.1	4.1	4.1	-90.31	-0.3	-60.0	60.0	52.1	7.90	7.591	
1,000.0	1,000.0	1,001.1	1,001.1	4.1	4.1	-90.31	-0.3	-60.0	60.0	52.0	8.00	7.500	
1,045.0	1,045.0	1,046.1	1,046.1	4.2	4.2	-90.31	-0.3	-60.0	60.0	51.9	8.08	7.422	
1,100.0	1,100.0	1,101.1	1,101.1	4.3	4.3	-90.31	-0.3	-60.0	60.0	51.8	8.18	7.328	
1,140.0	1,140.0	1,141.1	1,141.1	4.3	4.3	-90.31	-0.3	-60.0	60.0	51.7	8.25	7.264	
1,200.0	1,200.0	1,201.1	1,201.1	4.4	4.4	-90.31	-0.3	-60.0	60.0	51.6	8.36	7.168	
1,235.0	1,235.0	1,236.1	1,236.1	4.4	4.4	-90.31	-0.3	-60.0	60.0	51.5	8.43	7.115	
1,300.0	1,300.0	1,301.1	1,301.1	4.5	4.5	-90.31	-0.3	-60.0	60.0	51.4	8.54	7.018	
1,330.0	1,330.0	1,331.1	1,331.1	4.5	4.5	-90.31	-0.3	-60.0	60.0	51.4	8.60	6.975	
1,400.0	1,400.0	1,401.1	1,401.1	4.6	4.6	-90.31	-0.3	-60.0	60.0	51.2	8.72	6.877	
1,425.0	1,425.0	1,426.1	1,426.1	4.6	4.6	-90.31	-0.3	-60.0	60.0	51.2	8.76	6.844	
1,437.1	1,437.1	1,438.2	1,438.2	4.7	4.7	-90.31	-0.3	-60.0	60.0	51.2	8.78	6.827	CC
1,500.0	1,500.0	1,501.1	1,501.1	4.7	4.7	-90.31	-0.3	-60.0	60.0	51.1	8.89	6.743	ES
1,520.0	1,520.0	1,520.7	1,520.7	4.7	4.7	-176.11	-0.3	-60.0	60.1	51.1	8.97	6.703	SF
1,600.0	1,600.0	1,598.9	1,598.9	4.8	4.8	-176.11	-0.2	-61.7	63.4	54.2	9.27	6.843	
1,615.0	1,615.0	1,613.5	1,613.5	4.8	4.8	-176.11	-0.2	-62.2	64.6	55.2	9.35	6.904	
1,700.0	1,699.8	1,696.1	1,695.9	5.0	5.0	-176.12	0.1	-66.7	73.8	64.0	9.81	7.521	
1,710.0	1,709.8	1,705.7	1,705.5	5.0	5.0	-176.12	0.1	-67.3	75.2	65.3	9.87	7.621	
1,800.0	1,799.5	1,791.8	1,791.3	5.2	5.2	-176.13	0.5	-74.8	90.9	80.5	10.37	8.770	
1,805.0	1,804.4	1,796.6	1,796.0	5.2	5.2	-176.13	0.6	-75.3	91.9	81.6	10.39	8.849	
1,875.0	1,873.9	1,862.4	1,861.4	5.4	5.4	-176.13	1.0	-82.8	108.1	97.4	10.73	10.080	
1,900.0	1,898.7	1,885.6	1,884.5	5.4	5.5	-176.14	1.2	-85.8	114.6	103.7	10.83	10.583	
1,995.0	1,992.9	1,976.6	1,974.6	5.6	5.7	-176.13	1.9	-98.4	139.9	128.6	11.28	12.401	
2,000.0	1,997.9	1,981.4	1,979.4	5.7	5.7	-176.13	1.9	-99.1	141.2	129.9	11.30	12.494	
2,090.0	2,087.1	2,068.2	2,065.2	5.9	6.0	-176.13	2.6	-111.2	165.2	153.4	11.76	14.049	
2,100.0	2,097.0	2,077.8	2,074.8	5.9	6.0	-176.13	2.7	-112.5	167.9	156.1	11.81	14.214	
2,185.0	2,181.3	2,159.7	2,155.9	6.2	6.2	-176.12	3.4	-123.9	190.5	178.3	12.27	15.526	
2,200.0	2,196.1	2,174.2	2,170.2	6.2	6.2	-176.12	3.5	-125.9	194.5	182.2	12.35	15.746	
2,280.0	2,275.5	2,251.3	2,246.6	6.4	6.5	-176.12	4.1	-136.6	215.9	203.1	12.81	16.847	
2,300.0	2,295.3	2,270.6	2,265.7	6.5	6.5	-176.12	4.2	-139.3	221.2	208.3	12.93	17.108	
2,375.0	2,369.7	2,342.9	2,337.3	6.7	6.7	-176.12	4.8	-149.3	241.2	227.8	13.38	18.026	
2,400.0	2,394.4	2,367.0	2,361.1	6.8	6.8	-176.12	5.0	-152.7	247.9	234.3	13.53	18.316	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,470.0	2,463.8	2,434.4	2,427.9	7.0	7.0	-176.12	5.5	-162.0	266.5	252.6	13.97	19.080	
2,500.0	2,493.6	2,463.3	2,456.6	7.1	7.1	-176.12	5.8	-166.1	274.5	260.4	14.16	19.390	
2,565.0	2,558.0	2,526.0	2,518.6	7.4	7.3	-176.12	6.3	-174.8	291.9	277.3	14.58	20.022	
2,600.0	2,592.7	2,559.7	2,552.0	7.5	7.5	-176.11	6.5	-179.5	301.2	286.4	14.81	20.344	
2,660.0	2,652.2	2,617.5	2,609.3	7.7	7.6	-176.11	7.0	-187.5	317.2	302.0	15.20	20.864	
2,700.0	2,691.9	2,656.1	2,647.4	7.8	7.8	-176.11	7.3	-192.9	327.9	312.4	15.47	21.193	
2,755.0	2,746.4	2,709.1	2,699.9	8.0	8.0	-176.11	7.7	-200.2	342.5	326.7	15.84	21.620	
2,800.0	2,791.0	2,752.5	2,742.9	8.2	8.1	-176.11	8.1	-206.2	354.5	338.4	16.15	21.951	
2,850.0	2,840.6	2,800.7	2,790.6	8.3	8.3	-176.11	8.5	-212.9	367.9	351.4	16.50	22.299	
2,900.0	2,890.2	2,848.8	2,838.3	8.5	8.5	-176.11	8.9	-219.6	381.2	364.4	16.85	22.628	
2,945.0	2,934.8	2,892.2	2,881.3	8.7	8.6	-176.11	9.2	-225.7	393.2	376.0	17.16	22.909	
3,000.0	2,989.3	2,945.2	2,933.8	8.9	8.8	-176.11	9.6	-233.0	407.9	390.3	17.55	23.236	
3,040.0	3,029.0	2,983.8	2,971.9	9.0	9.0	-176.11	9.9	-238.4	418.5	400.7	17.84	23.461	
3,100.0	3,088.5	3,041.6	3,029.2	9.3	9.2	-176.11	10.4	-246.4	434.5	416.3	18.27	23.782	
3,135.0	3,123.2	3,075.3	3,062.6	9.4	9.3	-176.11	10.7	-251.1	443.9	425.3	18.53	23.960	
3,200.0	3,187.6	3,138.0	3,124.6	9.6	9.5	-176.11	11.2	-259.8	461.2	442.2	19.00	24.275	
3,230.0	3,217.3	3,166.9	3,153.3	9.8	9.6	-176.11	11.4	-263.8	469.2	450.0	19.22	24.413	
3,300.0	3,286.7	3,234.4	3,220.1	10.0	9.9	-176.11	11.9	-273.2	487.9	468.1	19.74	24.720	
3,325.0	3,311.5	3,258.5	3,243.9	10.1	10.0	-176.11	12.1	-276.5	494.5	474.6	19.92	24.825	
3,400.0	3,385.9	3,330.7	3,315.5	10.4	10.3	-176.11	12.7	-286.6	514.5	494.1	20.48	25.124	
3,420.0	3,405.7	3,350.0	3,334.6	10.5	10.3	-176.11	12.9	-289.3	519.9	499.2	20.63	25.200	
3,500.0	3,485.0	3,427.1	3,411.0	10.8	10.6	-176.11	13.5	-300.0	541.2	520.0	21.23	25.492	
3,515.0	3,499.9	3,441.6	3,425.3	10.8	10.7	-176.11	13.6	-302.0	545.2	523.9	21.34	25.544	
3,600.0	3,584.2	3,523.5	3,506.4	11.2	11.0	-176.11	14.2	-313.4	567.9	545.9	21.99	25.827	
3,610.0	3,594.1	3,533.1	3,515.9	11.2	11.1	-176.11	14.3	-314.7	570.5	548.5	22.06	25.859	
3,700.0	3,683.3	3,619.9	3,601.8	11.6	11.4	-176.11	15.0	-326.8	594.5	571.8	22.75	26.133	
3,705.0	3,688.3	3,624.7	3,606.6	11.6	11.4	-176.11	15.0	-327.4	595.9	573.1	22.79	26.148	
3,800.0	3,782.5	3,716.3	3,697.3	12.0	11.8	-176.11	15.8	-340.2	621.2	597.7	23.52	26.414	
3,895.0	3,876.6	3,807.8	3,787.9	12.3	12.1	-176.11	16.5	-352.9	646.5	622.3	24.25	26.660	
3,900.0	3,881.6	3,812.6	3,792.7	12.4	12.2	-176.11	16.5	-353.5	647.9	623.6	24.29	26.672	
3,990.0	3,970.8	3,899.4	3,878.6	12.7	12.5	-176.11	17.2	-365.6	671.9	646.9	24.99	26.887	
4,000.0	3,980.8	3,909.0	3,888.2	12.8	12.5	-176.11	17.3	-366.9	674.6	649.5	25.07	26.910	
4,085.0	4,065.0	3,990.9	3,969.3	13.1	12.9	-176.11	18.0	-378.3	697.2	671.5	25.73	27.098	
4,100.0	4,079.9	4,005.4	3,983.6	13.2	12.9	-176.11	18.1	-380.3	701.2	675.4	25.85	27.130	
4,180.0	4,159.2	4,082.5	4,060.0	13.5	13.2	-176.11	18.7	-391.0	722.6	696.1	26.47	27.293	
4,200.0	4,179.0	4,101.8	4,079.0	13.6	13.3	-176.11	18.9	-393.7	727.9	701.3	26.63	27.333	
4,275.0	4,253.4	4,174.1	4,150.6	13.9	13.6	-176.11	19.4	-403.8	747.9	720.7	27.22	27.475	
4,300.0	4,278.2	4,198.1	4,174.5	14.0	13.7	-176.11	19.6	-407.1	754.6	727.1	27.42	27.521	
4,370.0	4,347.6	4,265.6	4,241.3	14.2	14.0	-176.11	20.2	-416.5	773.2	745.3	27.97	27.645	
4,400.0	4,377.3	4,294.5	4,269.9	14.4	14.1	-176.11	20.4	-420.5	781.2	753.0	28.21	27.696	
4,465.0	4,441.8	4,357.2	4,332.0	14.6	14.4	-176.11	20.9	-429.2	798.6	769.8	28.72	27.803	
4,500.0	4,476.5	4,390.9	4,365.4	14.8	14.5	-176.11	21.2	-433.9	807.9	778.9	29.00	27.859	
4,560.0	4,536.0	4,448.7	4,422.6	15.0	14.7	-176.11	21.6	-441.9	823.9	794.4	29.48	27.951	
4,600.0	4,575.6	4,487.3	4,460.8	15.2	14.9	-176.11	21.9	-447.3	834.6	804.8	29.79	28.011	
4,653.0	4,628.2	4,538.4	4,511.4	15.4	15.1	-176.11	22.3	-454.4	848.7	818.5	30.20	28.100	
4,655.0	4,630.1	4,540.3	4,513.3	15.4	15.1	-176.11	22.3	-454.7	849.2	819.0	30.22	28.103	
4,700.0	4,674.8	4,583.7	4,556.3	15.6	15.3	-176.11	22.7	-460.7	861.0	830.5	30.56	28.172	
4,750.0	4,724.4	4,632.1	4,604.2	15.8	15.5	-176.12	23.1	-467.4	873.8	842.8	30.96	28.224	
4,800.0	4,774.1	4,680.5	4,652.2	16.0	15.7	-176.12	23.5	-474.1	886.1	854.7	31.35	28.260	
4,845.0	4,818.9	4,724.2	4,695.4	16.1	15.9	-176.12	23.8	-480.2	896.8	865.1	31.70	28.286	
4,900.0	4,873.7	4,777.8	4,748.5	16.3	16.1	-176.12	24.2	-487.6	909.4	877.3	32.13	28.304	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,913.5	4,821.9	4,792.1	16.5	16.3	-176.12	24.6	-493.7	918.2	885.7	32.47	28.276	
5,000.0	4,973.4	4,891.9	4,861.6	16.7	16.6	-176.12	25.1	-502.6	930.3	897.3	33.02	28.175	
5,035.0	5,008.3	4,933.0	4,902.4	16.8	16.7	-176.11	25.4	-507.5	936.8	903.4	33.33	28.108	
5,100.0	5,073.2	5,009.7	4,978.6	17.1	17.0	-176.11	25.9	-515.7	947.5	913.6	33.90	27.953	
5,130.0	5,103.1	5,045.2	5,014.0	17.2	17.2	-176.10	26.1	-519.2	951.9	917.8	34.14	27.880	
5,200.0	5,173.1	5,128.5	5,097.0	17.4	17.5	-176.10	26.5	-526.5	960.9	926.2	34.72	27.677	
5,225.0	5,198.1	5,158.4	5,126.8	17.5	17.6	-176.09	26.6	-528.8	963.7	928.8	34.91	27.603	
5,300.0	5,273.0	5,248.2	5,216.4	17.7	17.9	-176.09	27.0	-534.8	970.6	935.1	35.48	27.355	
5,320.0	5,293.0	5,272.2	5,240.3	17.7	18.0	-176.08	27.0	-536.2	972.1	936.5	35.60	27.303	
5,403.0	5,376.0	5,372.0	5,340.0	17.8	18.3	-90.27	27.3	-540.9	976.5	940.5	36.08	27.063	
5,415.0	5,388.0	5,386.5	5,354.5	17.9	18.4	-90.27	27.3	-541.4	977.0	940.8	36.14	27.035	
5,500.0	5,473.0	5,488.9	5,456.9	17.9	18.7	-90.26	27.5	-544.1	979.2	942.8	36.48	26.843	
5,510.0	5,483.0	5,500.9	5,468.9	17.9	18.7	-90.26	27.5	-544.3	979.4	942.9	36.52	26.819	
5,600.0	5,573.0	5,606.1	5,574.1	17.9	18.8	-90.26	27.5	-545.0	980.0	943.3	36.69	26.710	
5,605.0	5,578.0	5,611.1	5,579.1	17.9	18.8	-90.26	27.5	-545.0	980.0	943.3	36.69	26.707	
5,700.0	5,673.0	5,706.1	5,674.1	18.0	18.9	-90.26	27.5	-545.0	980.0	943.2	36.77	26.650	
5,795.0	5,768.0	5,801.1	5,769.1	18.0	18.9	-90.26	27.5	-545.0	980.0	943.1	36.85	26.592	
5,800.0	5,773.0	5,806.1	5,774.1	18.0	18.9	-90.26	27.5	-545.0	980.0	943.1	36.86	26.589	
5,890.0	5,863.0	5,896.1	5,864.1	18.1	19.0	-90.26	27.5	-545.0	980.0	943.0	36.93	26.535	
5,900.0	5,873.0	5,906.1	5,874.1	18.1	19.0	-90.26	27.5	-545.0	980.0	943.0	36.94	26.529	
5,985.0	5,958.0	5,991.1	5,959.1	18.1	19.0	-90.26	27.5	-545.0	980.0	943.0	37.01	26.478	
6,000.0	5,973.0	6,006.1	5,974.1	18.1	19.0	-90.26	27.5	-545.0	980.0	942.9	37.02	26.469	
6,080.0	6,053.0	6,086.1	6,054.1	18.1	19.0	-90.26	27.5	-545.0	980.0	942.9	37.09	26.420	
6,100.0	6,073.0	6,106.1	6,074.1	18.1	19.0	-90.26	27.5	-545.0	980.0	942.9	37.11	26.408	
6,175.0	6,148.0	6,181.1	6,149.1	18.2	19.1	-90.26	27.5	-545.0	980.0	942.8	37.17	26.362	
6,200.0	6,173.0	6,206.1	6,174.1	18.2	19.1	-90.26	27.5	-545.0	980.0	942.8	37.19	26.347	
6,270.0	6,243.0	6,276.1	6,244.1	18.2	19.1	-90.26	27.5	-545.0	980.0	942.7	37.25	26.305	
6,300.0	6,273.0	6,306.1	6,274.1	18.2	19.1	-90.26	27.5	-545.0	980.0	942.7	37.28	26.287	
6,365.0	6,338.0	6,371.1	6,339.1	18.3	19.1	-90.26	27.5	-545.0	980.0	942.6	37.34	26.247	
6,400.0	6,373.0	6,406.1	6,374.1	18.3	19.2	-90.26	27.5	-545.0	980.0	942.6	37.37	26.226	
6,460.0	6,433.0	6,466.1	6,434.1	18.3	19.2	-90.26	27.5	-545.0	980.0	942.6	37.42	26.189	
6,500.0	6,473.0	6,506.1	6,474.1	18.3	19.2	-90.26	27.5	-545.0	980.0	942.5	37.45	26.165	
6,555.0	6,528.0	6,561.1	6,529.1	18.3	19.2	-90.26	27.5	-545.0	980.0	942.5	37.50	26.131	
6,600.0	6,573.0	6,606.1	6,574.1	18.4	19.2	-90.26	27.5	-545.0	980.0	942.4	37.54	26.104	
6,650.0	6,623.0	6,656.1	6,624.1	18.4	19.3	-90.26	27.5	-545.0	980.0	942.4	37.58	26.073	
6,700.0	6,673.0	6,706.1	6,674.1	18.4	19.3	-90.26	27.5	-545.0	980.0	942.3	37.63	26.043	
6,745.0	6,718.0	6,751.1	6,719.1	18.4	19.3	-90.26	27.5	-545.0	980.0	942.3	37.67	26.015	
6,800.0	6,773.0	6,806.1	6,774.1	18.5	19.3	-90.26	27.5	-545.0	980.0	942.3	37.72	25.982	
6,840.0	6,813.0	6,846.1	6,814.1	18.5	19.3	-90.26	27.5	-545.0	980.0	942.2	37.75	25.957	
6,900.0	6,873.0	6,906.1	6,874.1	18.5	19.4	-90.26	27.5	-545.0	980.0	942.2	37.81	25.921	
6,935.0	6,908.0	6,941.1	6,909.1	18.5	19.4	-90.26	27.5	-545.0	980.0	942.1	37.84	25.899	
7,000.0	6,973.0	7,006.1	6,974.1	18.5	19.4	-90.26	27.5	-545.0	980.0	942.1	37.90	25.860	
7,030.0	7,003.0	7,036.1	7,004.1	18.6	19.4	-90.26	27.5	-545.0	980.0	942.0	37.92	25.841	
7,100.0	7,073.0	7,106.1	7,074.1	18.6	19.5	-90.26	27.5	-545.0	980.0	942.0	37.99	25.798	
7,125.0	7,098.0	7,131.1	7,099.1	18.6	19.5	-90.26	27.5	-545.0	980.0	942.0	38.01	25.783	
7,200.0	7,173.0	7,206.1	7,174.1	18.6	19.5	-90.26	27.5	-545.0	980.0	941.9	38.08	25.737	
7,220.0	7,193.0	7,226.1	7,194.1	18.7	19.5	-90.26	27.5	-545.0	980.0	941.9	38.09	25.725	
7,300.0	7,273.0	7,306.1	7,274.1	18.7	19.5	-90.26	27.5	-545.0	980.0	941.8	38.17	25.676	
7,315.0	7,288.0	7,321.1	7,289.1	18.7	19.6	-90.26	27.5	-545.0	980.0	941.8	38.18	25.667	
7,400.0	7,373.0	7,406.1	7,374.1	18.7	19.6	-90.26	27.5	-545.0	980.0	941.7	38.26	25.615	
7,410.0	7,383.0	7,416.1	7,384.1	18.7	19.6	-90.26	27.5	-545.0	980.0	941.7	38.27	25.608	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,500.0	7,473.0	7,506.1	7,474.1	18.8	19.6	-90.26	27.5	-545.0	980.0	941.6	38.35	25.553	
7,505.0	7,478.0	7,511.1	7,479.1	18.8	19.6	-90.26	27.5	-545.0	980.0	941.6	38.35	25.550	
7,600.0	7,573.0	7,606.1	7,574.1	18.8	19.7	-90.26	27.5	-545.0	980.0	941.5	38.44	25.492	
7,695.0	7,668.0	7,701.1	7,669.1	18.9	19.7	-90.26	27.5	-545.0	980.0	941.4	38.53	25.433	
7,700.0	7,673.0	7,706.1	7,674.1	18.9	19.7	-90.26	27.5	-545.0	980.0	941.4	38.54	25.430	
7,790.0	7,763.0	7,796.1	7,764.1	18.9	19.8	-90.26	27.5	-545.0	980.0	941.4	38.62	25.375	
7,800.0	7,773.0	7,806.1	7,774.1	18.9	19.8	-90.26	27.5	-545.0	980.0	941.3	38.63	25.369	
7,885.0	7,858.0	7,891.1	7,859.1	19.0	19.8	-90.26	27.5	-545.0	980.0	941.3	38.71	25.317	
7,900.0	7,873.0	7,906.1	7,874.1	19.0	19.8	-90.26	27.5	-545.0	980.0	941.2	38.72	25.308	
7,980.0	7,953.0	7,986.1	7,954.1	19.0	19.9	-90.26	27.5	-545.0	980.0	941.2	38.80	25.258	
8,000.0	7,973.0	8,006.1	7,974.1	19.0	19.9	-90.26	27.5	-545.0	980.0	941.2	38.82	25.246	
8,075.0	8,048.0	8,081.1	8,049.1	19.1	19.9	-90.26	27.5	-545.0	980.0	941.1	38.89	25.200	
8,100.0	8,073.0	8,106.1	8,074.1	19.1	19.9	-90.26	27.5	-545.0	980.0	941.1	38.91	25.185	
8,170.0	8,143.0	8,176.1	8,144.1	19.1	19.9	-90.26	27.5	-545.0	980.0	941.0	38.98	25.142	
8,200.0	8,173.0	8,206.1	8,174.1	19.1	20.0	-90.26	27.5	-545.0	980.0	941.0	39.01	25.123	
8,265.0	8,238.0	8,271.1	8,239.1	19.2	20.0	-90.26	27.5	-545.0	980.0	940.9	39.07	25.083	
8,300.0	8,273.0	8,306.1	8,274.1	19.2	20.0	-90.26	27.5	-545.0	980.0	940.9	39.10	25.062	
8,360.0	8,333.0	8,366.1	8,334.1	19.2	20.0	-90.26	27.5	-545.0	980.0	940.8	39.16	25.025	
8,400.0	8,373.0	8,406.1	8,374.1	19.2	20.0	-90.26	27.5	-545.0	980.0	940.8	39.20	25.001	
8,455.0	8,428.0	8,461.1	8,429.1	19.2	20.1	-90.26	27.5	-545.0	980.0	940.7	39.25	24.967	
8,500.0	8,473.0	8,506.1	8,474.1	19.3	20.1	-90.26	27.5	-545.0	980.0	940.7	39.29	24.939	
8,550.0	8,523.0	8,556.1	8,524.1	19.3	20.1	-90.26	27.5	-545.0	980.0	940.6	39.34	24.909	
8,600.0	8,573.0	8,606.1	8,574.1	19.3	20.1	-90.26	27.5	-545.0	980.0	940.6	39.39	24.878	
8,645.0	8,618.0	8,651.1	8,619.1	19.3	20.2	-90.26	27.5	-545.0	980.0	940.5	39.43	24.850	
8,700.0	8,673.0	8,706.1	8,674.1	19.4	20.2	-90.26	27.5	-545.0	980.0	940.5	39.49	24.817	
8,740.0	8,713.0	8,746.1	8,714.1	19.4	20.2	-90.26	27.5	-545.0	980.0	940.4	39.53	24.792	
8,800.0	8,773.0	8,806.1	8,774.1	19.4	20.2	-90.26	27.5	-545.0	980.0	940.4	39.59	24.755	
8,835.0	8,808.0	8,841.1	8,809.1	19.4	20.3	-90.26	27.5	-545.0	980.0	940.3	39.62	24.734	
8,900.0	8,873.0	8,906.1	8,874.1	19.5	20.3	-90.26	27.5	-545.0	980.0	940.3	39.68	24.694	
8,930.0	8,903.0	8,936.1	8,904.1	19.5	20.3	-90.26	27.5	-545.0	980.0	940.3	39.71	24.676	
9,000.0	8,973.0	9,006.1	8,974.1	19.5	20.3	-90.26	27.5	-545.0	980.0	940.2	39.78	24.633	
9,025.0	8,998.0	9,031.1	8,999.1	19.5	20.3	-90.26	27.5	-545.0	980.0	940.2	39.81	24.618	
9,100.0	9,073.0	9,106.1	9,074.1	19.6	20.4	-90.26	27.5	-545.0	980.0	940.1	39.88	24.572	
9,120.0	9,093.0	9,126.1	9,094.1	19.6	20.4	-90.26	27.5	-545.0	980.0	940.1	39.90	24.560	
9,200.0	9,173.0	9,206.1	9,174.1	19.6	20.4	-90.26	27.5	-545.0	980.0	940.0	39.98	24.511	
9,215.0	9,188.0	9,221.1	9,189.1	19.6	20.4	-90.26	27.5	-545.0	980.0	940.0	40.00	24.502	
9,300.0	9,273.0	9,306.1	9,274.1	19.7	20.5	-90.26	27.5	-545.0	980.0	939.9	40.08	24.450	
9,310.0	9,283.0	9,316.1	9,284.1	19.7	20.5	-90.26	27.5	-545.0	980.0	939.9	40.09	24.444	
9,400.0	9,373.0	9,406.1	9,374.1	19.7	20.5	-90.26	27.5	-545.0	980.0	939.8	40.18	24.389	
9,405.0	9,378.0	9,411.1	9,379.1	19.7	20.5	-90.26	27.5	-545.0	980.0	939.8	40.19	24.386	
9,500.0	9,473.0	9,506.1	9,474.1	19.8	20.6	-90.26	27.5	-545.0	980.0	939.7	40.28	24.328	
9,595.0	9,568.0	9,601.1	9,569.1	19.8	20.6	-90.26	27.5	-545.0	980.0	939.6	40.38	24.270	
9,600.0	9,573.0	9,606.1	9,574.1	19.8	20.6	-90.26	27.5	-545.0	980.0	939.6	40.38	24.267	
9,690.0	9,663.0	9,696.1	9,664.1	19.9	20.7	-90.26	27.5	-545.0	980.0	939.5	40.47	24.212	
9,700.0	9,673.0	9,706.1	9,674.1	19.9	20.7	-90.26	27.5	-545.0	980.0	939.5	40.48	24.206	
9,785.0	9,758.0	9,791.1	9,759.1	19.9	20.7	-90.26	27.5	-545.0	980.0	939.4	40.57	24.154	
9,800.0	9,773.0	9,806.1	9,774.1	19.9	20.7	-90.26	27.5	-545.0	980.0	939.4	40.58	24.146	
9,859.5	9,832.5	9,865.7	9,833.6	20.0	20.7	-90.11	30.0	-545.0	980.0	939.3	40.63	24.122	
9,880.0	9,853.0	9,886.1	9,853.8	20.0	20.7	-89.98	32.3	-545.0	980.0	939.3	40.64	24.114	
9,900.0	9,873.0	9,905.7	9,873.3	20.0	20.7	-89.81	35.2	-545.0	980.0	939.3	40.65	24.106	
9,921.5	9,894.5	9,926.6	9,893.8	20.0	20.7	-89.59	39.0	-545.0	980.0	939.4	40.66	24.104	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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
9,925.0	9,898.0	9,930.0	9,897.1	20.0	20.7	-89.16	39.6	-545.0	980.0	939.4	40.66	24.104	
9,950.0	9,923.0	9,954.0	9,920.5	20.0	20.7	-88.89	45.0	-545.1	980.1	939.4	40.66	24.103	
9,975.0	9,947.9	9,977.9	9,943.6	20.0	20.7	-88.63	51.4	-545.1	980.1	939.5	40.67	24.102	
10,000.0	9,972.7	10,001.6	9,966.2	20.0	20.7	-88.38	58.6	-545.1	980.2	939.5	40.67	24.101	
10,025.0	9,997.2	10,025.3	9,988.4	20.0	20.8	-88.15	66.7	-545.1	980.3	939.6	40.68	24.100	
10,050.0	10,021.5	10,050.0	10,011.2	20.0	20.8	-87.92	76.2	-545.1	980.4	939.7	40.68	24.100	
10,070.0	10,040.6	10,067.5	10,027.1	20.0	20.8	-87.77	83.5	-545.1	980.4	939.8	40.68	24.099	
10,075.0	10,045.4	10,072.2	10,031.3	20.0	20.8	-87.73	85.6	-545.1	980.5	939.8	40.69	24.098	
10,100.0	10,068.9	10,095.5	10,052.1	20.0	20.8	-87.55	96.2	-545.2	980.5	939.8	40.69	24.096	
10,125.0	10,091.9	10,118.8	10,072.3	20.0	20.8	-87.39	107.7	-545.2	980.6	939.9	40.70	24.094	
10,150.0	10,114.4	10,141.9	10,092.0	20.0	20.8	-87.24	119.9	-545.2	980.7	940.0	40.71	24.090	
10,165.0	10,127.6	10,155.8	10,103.5	20.0	20.8	-87.16	127.6	-545.2	980.7	940.0	40.71	24.087	
10,175.0	10,136.3	10,165.0	10,111.1	20.0	20.8	-87.11	132.9	-545.2	980.7	940.0	40.72	24.085	
10,200.0	10,157.5	10,188.1	10,129.7	20.0	20.8	-87.00	146.6	-545.2	980.7	940.0	40.73	24.079	
10,225.0	10,178.0	10,211.1	10,147.6	20.0	20.8	-86.91	161.0	-545.3	980.7	940.0	40.74	24.071	
10,250.0	10,197.7	10,234.1	10,164.9	20.0	20.8	-86.84	176.0	-545.3	980.7	940.0	40.76	24.062	
10,260.0	10,205.4	10,243.2	10,171.7	20.0	20.8	-86.82	182.3	-545.3	980.7	940.0	40.77	24.058	
10,275.0	10,216.6	10,257.0	10,181.6	20.0	20.8	-86.79	191.8	-545.3	980.7	939.9	40.78	24.052	
10,300.0	10,234.6	10,279.9	10,197.6	20.0	20.8	-86.75	208.2	-545.4	980.7	939.9	40.80	24.039	
10,325.0	10,251.7	10,302.8	10,213.0	20.0	20.8	-86.73	225.2	-545.4	980.6	939.8	40.82	24.025	
10,350.0	10,267.8	10,325.7	10,227.6	20.1	20.8	-86.74	242.8	-545.4	980.5	939.7	40.84	24.008	
10,355.0	10,270.9	10,330.3	10,230.4	20.1	20.8	-86.74	246.3	-545.4	980.5	939.7	40.85	24.004	
10,375.0	10,282.9	10,350.0	10,242.4	20.1	20.9	-86.76	262.0	-545.5	980.4	939.6	40.87	23.990	
10,400.0	10,296.9	10,371.5	10,254.7	20.1	20.9	-86.80	279.6	-545.5	980.3	939.4	40.90	23.969	
10,425.0	10,309.8	10,394.4	10,267.2	20.1	20.9	-86.86	298.9	-545.5	980.2	939.2	40.93	23.947	
10,450.0	10,321.5	10,417.3	10,278.9	20.1	20.9	-86.94	318.6	-545.6	980.0	939.0	40.97	23.922	
10,475.0	10,332.1	10,440.3	10,289.8	20.1	20.9	-87.04	338.8	-545.6	979.8	938.8	41.00	23.895	
10,500.0	10,341.5	10,463.3	10,299.9	20.1	20.9	-87.15	359.5	-545.7	979.6	938.6	41.05	23.866	
10,525.0	10,349.7	10,486.4	10,309.1	20.2	21.0	-87.29	380.6	-545.7	979.4	938.3	41.09	23.835	
10,545.0	10,355.3	10,504.9	10,315.9	20.2	21.0	-87.41	397.8	-545.7	979.2	938.1	41.13	23.809	
10,550.0	10,356.6	10,509.5	10,317.6	20.2	21.0	-87.44	402.1	-545.7	979.2	938.0	41.14	23.802	
10,575.0	10,362.3	10,532.7	10,325.2	20.2	21.0	-87.61	424.0	-545.8	979.0	937.8	41.19	23.767	
10,600.0	10,366.7	10,555.9	10,331.9	20.2	21.0	-87.79	446.3	-545.8	978.7	937.5	41.24	23.730	
10,625.0	10,369.7	10,579.3	10,337.7	20.3	21.1	-88.00	468.9	-545.9	978.5	937.2	41.30	23.690	
10,640.0	10,371.0	10,593.3	10,340.7	20.3	21.1	-88.13	482.6	-545.9	978.3	937.0	41.34	23.666	
10,650.0	10,371.5	10,602.7	10,342.6	20.3	21.1	-88.22	491.8	-545.9	978.2	936.9	41.36	23.650	
10,669.7	10,372.0	10,621.3	10,345.8	20.3	21.1	-88.40	510.1	-546.0	978.1	936.7	41.41	23.616	
10,700.0	10,372.1	10,650.0	10,349.6	20.4	21.1	-88.62	538.5	-546.0	977.8	936.3	41.50	23.564	
10,735.0	10,372.2	10,683.6	10,352.3	20.4	21.2	-88.76	572.0	-546.1	977.6	936.0	41.61	23.496	
10,800.0	10,372.5	10,747.6	10,353.2	20.5	21.3	-88.80	636.1	-546.2	977.3	935.4	41.83	23.364	
10,830.0	10,372.6	10,777.6	10,353.3	20.6	21.4	-88.80	666.1	-546.3	977.1	935.2	41.94	23.298	
10,900.0	10,372.9	10,847.6	10,353.6	20.7	21.5	-88.80	736.1	-546.4	976.8	934.6	42.22	23.136	
10,925.0	10,373.0	10,872.6	10,353.7	20.8	21.5	-88.80	761.1	-546.4	976.7	934.3	42.33	23.074	
11,000.0	10,373.2	10,947.6	10,354.0	21.0	21.7	-88.80	836.1	-546.6	976.3	933.6	42.66	22.884	
11,020.0	10,373.3	10,967.6	10,354.1	21.0	21.7	-88.80	856.1	-546.6	976.2	933.4	42.76	22.830	
11,100.0	10,373.6	11,047.6	10,354.4	21.2	21.9	-88.80	936.1	-546.8	975.8	932.7	43.16	22.611	
11,115.0	10,373.7	11,062.6	10,354.4	21.3	22.0	-88.81	951.1	-546.8	975.7	932.5	43.24	22.568	
11,200.0	10,374.0	11,147.6	10,354.8	21.5	22.2	-88.81	1,036.1	-547.0	975.3	931.6	43.70	22.320	
11,210.0	10,374.0	11,157.6	10,354.8	21.5	22.2	-88.81	1,046.1	-547.0	975.3	931.5	43.76	22.289	
11,300.0	10,374.4	11,247.6	10,355.2	21.8	22.5	-88.81	1,136.1	-547.2	974.9	930.6	44.29	22.013	
11,305.0	10,374.4	11,252.6	10,355.2	21.8	22.5	-88.81	1,141.1	-547.2	974.8	930.5	44.32	21.997	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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
11,400.0	10,374.8	11,347.6	10,355.6	22.1	22.8	-88.81	1,236.1	-547.4	974.4	929.5	44.92	21.693	
11,495.0	10,375.1	11,442.6	10,356.0	22.4	23.1	-88.81	1,331.1	-547.5	973.9	928.4	45.56	21.378	
11,500.0	10,375.1	11,447.6	10,356.0	22.4	23.1	-88.81	1,336.1	-547.5	973.9	928.3	45.59	21.361	
11,590.0	10,375.5	11,537.6	10,356.4	22.8	23.5	-88.81	1,426.1	-547.7	973.5	927.2	46.23	21.055	
11,600.0	10,375.5	11,547.6	10,356.4	22.8	23.5	-88.81	1,436.1	-547.7	973.4	927.1	46.31	21.021	
11,685.0	10,375.8	11,632.6	10,356.8	23.1	23.8	-88.81	1,521.1	-547.9	973.0	926.1	46.94	20.726	
11,700.0	10,375.9	11,647.6	10,356.9	23.2	23.9	-88.81	1,536.1	-547.9	972.9	925.9	47.06	20.674	
11,780.0	10,376.2	11,727.6	10,357.2	23.5	24.2	-88.81	1,616.1	-548.1	972.5	924.8	47.69	20.393	
11,800.0	10,376.3	11,747.6	10,357.3	23.6	24.3	-88.81	1,636.1	-548.1	972.4	924.6	47.85	20.323	
11,875.0	10,376.5	11,822.6	10,357.6	23.9	24.6	-88.82	1,711.1	-548.3	972.1	923.6	48.47	20.057	
11,900.0	10,376.6	11,847.6	10,357.7	24.0	24.7	-88.82	1,736.1	-548.3	972.0	923.3	48.68	19.968	
11,970.0	10,376.9	11,917.6	10,358.0	24.3	25.0	-88.82	1,806.0	-548.5	971.6	922.3	49.27	19.719	
12,000.0	10,377.0	11,947.6	10,358.1	24.5	25.1	-88.82	1,836.0	-548.5	971.5	921.9	49.53	19.612	
12,065.0	10,377.3	12,012.6	10,358.4	24.7	25.4	-88.82	1,901.0	-548.6	971.2	921.1	50.11	19.381	
12,100.0	10,377.4	12,047.6	10,358.5	24.9	25.5	-88.82	1,936.0	-548.7	971.0	920.6	50.42	19.256	
12,160.0	10,377.6	12,107.6	10,358.7	25.2	25.8	-88.82	1,996.0	-548.8	970.7	919.7	50.97	19.043	
12,200.0	10,377.8	12,147.6	10,358.9	25.4	26.0	-88.82	2,036.0	-548.9	970.5	919.2	51.34	18.902	
12,255.0	10,378.0	12,202.6	10,359.1	25.6	26.2	-88.82	2,091.0	-549.0	970.2	918.4	51.86	18.708	
12,300.0	10,378.1	12,247.6	10,359.3	25.9	26.5	-88.82	2,136.0	-549.1	970.0	917.7	52.29	18.550	
12,350.0	10,378.3	12,297.6	10,359.5	26.1	26.7	-88.82	2,186.0	-549.2	969.8	917.0	52.78	18.375	
12,400.0	10,378.5	12,347.6	10,359.7	26.3	26.9	-88.82	2,236.0	-549.3	969.6	916.3	53.27	18.201	
12,445.0	10,378.7	12,392.6	10,359.9	26.6	27.2	-88.82	2,281.0	-549.4	969.3	915.6	53.72	18.045	
12,500.0	10,378.9	12,447.6	10,360.1	26.9	27.4	-88.82	2,336.0	-549.5	969.1	914.8	54.27	17.856	
12,540.0	10,379.1	12,487.6	10,360.3	27.1	27.6	-88.83	2,376.0	-549.6	968.9	914.2	54.68	17.720	
12,600.0	10,379.3	12,547.6	10,360.5	27.4	27.9	-88.83	2,436.0	-549.7	968.6	913.3	55.30	17.516	
12,635.0	10,379.4	12,582.6	10,360.7	27.6	28.1	-88.83	2,471.0	-549.7	968.4	912.8	55.66	17.399	
12,700.0	10,379.7	12,647.6	10,361.0	27.9	28.5	-88.83	2,536.0	-549.9	968.1	911.8	56.34	17.182	
12,730.0	10,379.8	12,677.6	10,361.1	28.1	28.6	-88.83	2,566.0	-549.9	968.0	911.3	56.66	17.083	
12,800.0	10,380.0	12,747.6	10,361.4	28.4	29.0	-88.83	2,636.0	-550.1	967.6	910.2	57.41	16.854	
12,825.0	10,380.1	12,772.6	10,361.5	28.6	29.1	-88.83	2,661.0	-550.1	967.5	909.8	57.68	16.772	
12,900.0	10,380.4	12,847.6	10,361.8	29.0	29.5	-88.83	2,736.0	-550.2	967.1	908.6	58.50	16.531	
12,920.0	10,380.5	12,867.6	10,361.9	29.1	29.6	-88.83	2,756.0	-550.3	967.0	908.3	58.72	16.468	
13,000.0	10,380.8	12,947.6	10,362.2	29.6	30.1	-88.83	2,836.0	-550.4	966.7	907.0	59.61	16.216	
13,015.0	10,380.8	12,962.6	10,362.3	29.6	30.2	-88.83	2,851.0	-550.5	966.6	906.8	59.78	16.169	
13,100.0	10,381.2	13,047.6	10,362.6	30.1	30.6	-88.83	2,936.0	-550.6	966.2	905.4	60.74	15.907	
13,110.0	10,381.2	13,057.6	10,362.6	30.2	30.7	-88.83	2,946.0	-550.7	966.1	905.3	60.85	15.876	
13,200.0	10,381.5	13,147.6	10,363.0	30.7	31.2	-88.83	3,036.0	-550.8	965.7	903.8	61.88	15.605	
13,205.0	10,381.6	13,152.6	10,363.0	30.7	31.2	-88.83	3,041.0	-550.8	965.7	903.7	61.94	15.590	
13,300.0	10,381.9	13,247.6	10,363.4	31.3	31.8	-88.84	3,136.0	-551.0	965.2	902.2	63.04	15.310	
13,395.0	10,382.3	13,342.6	10,363.8	31.9	32.3	-88.84	3,231.0	-551.2	964.8	900.6	64.16	15.036	
13,400.0	10,382.3	13,347.6	10,363.8	31.9	32.4	-88.84	3,236.0	-551.2	964.7	900.5	64.22	15.022	
13,490.0	10,382.6	13,437.6	10,364.2	32.4	32.9	-88.84	3,326.0	-551.4	964.3	899.0	65.29	14.769	
13,500.0	10,382.7	13,447.6	10,364.2	32.5	33.0	-88.84	3,336.0	-551.4	964.2	898.8	65.41	14.742	
13,585.0	10,383.0	13,532.6	10,364.6	33.0	33.5	-88.84	3,421.0	-551.6	963.8	897.4	66.43	14.508	
13,600.0	10,383.0	13,547.6	10,364.7	33.1	33.6	-88.84	3,436.0	-551.6	963.8	897.2	66.61	14.468	
13,680.0	10,383.3	13,627.6	10,365.0	33.6	34.0	-88.84	3,516.0	-551.8	963.4	895.8	67.59	14.254	
13,700.0	10,383.4	13,647.6	10,365.1	33.7	34.2	-88.84	3,536.0	-551.8	963.3	895.5	67.83	14.201	
13,775.0	10,383.7	13,722.6	10,365.4	34.2	34.6	-88.84	3,611.0	-551.9	962.9	894.2	68.75	14.006	
13,800.0	10,383.8	13,747.6	10,365.5	34.3	34.8	-88.84	3,636.0	-552.0	962.8	893.7	69.06	13.941	
13,870.0	10,384.1	13,817.6	10,365.8	34.8	35.2	-88.84	3,706.0	-552.1	962.5	892.5	69.93	13.763	
13,900.0	10,384.2	13,847.6	10,365.9	34.9	35.4	-88.84	3,736.0	-552.2	962.3	892.0	70.30	13.688	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS — **Rule Assigned:** — **Offset Well Error:** 3.0 usft

Reference 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	10,384.4	13,912.6	10,366.2	35.4	35.8	-88.85	3,801.0	-552.3	962.0	890.9	71.12	13.527	
14,000.0	10,384.6	13,947.6	10,366.3	35.6	36.0	-88.85	3,836.0	-552.4	961.8	890.3	71.55	13.442	
14,060.0	10,384.8	14,007.6	10,366.5	36.0	36.4	-88.85	3,896.0	-552.5	961.5	889.2	72.31	13.297	
14,100.0	10,384.9	14,047.6	10,366.7	36.2	36.6	-88.85	3,936.0	-552.6	961.4	888.5	72.82	13.202	
14,155.0	10,385.1	14,102.6	10,366.9	36.6	37.0	-88.85	3,991.0	-552.7	961.1	887.6	73.52	13.073	
14,200.0	10,385.3	14,147.6	10,367.1	36.9	37.3	-88.85	4,036.0	-552.8	960.9	886.8	74.09	12.969	
14,250.0	10,385.5	14,197.6	10,367.3	37.2	37.6	-88.85	4,086.0	-552.9	960.6	885.9	74.73	12.855	
14,300.0	10,385.7	14,247.6	10,367.5	37.5	37.9	-88.85	4,136.0	-552.9	960.4	885.0	75.37	12.742	
14,345.0	10,385.9	14,292.6	10,367.7	37.8	38.2	-88.85	4,181.0	-553.0	960.2	884.2	75.95	12.642	
14,400.0	10,386.1	14,347.6	10,367.9	38.2	38.5	-88.85	4,236.0	-553.1	959.9	883.2	76.66	12.521	
14,440.0	10,386.2	14,387.6	10,368.1	38.4	38.8	-88.85	4,276.0	-553.2	959.7	882.5	77.18	12.434	
14,500.0	10,386.4	14,447.6	10,368.4	38.8	39.2	-88.85	4,336.0	-553.3	959.4	881.5	77.96	12.306	
14,535.0	10,386.6	14,482.6	10,368.5	39.0	39.4	-88.85	4,371.0	-553.4	959.3	880.8	78.42	12.232	
14,600.0	10,386.8	14,547.6	10,368.8	39.5	39.8	-88.85	4,436.0	-553.5	958.9	879.7	79.27	12.097	
14,630.0	10,386.9	14,577.6	10,368.9	39.7	40.0	-88.86	4,466.0	-553.6	958.8	879.1	79.66	12.035	
14,700.0	10,387.2	14,647.6	10,369.2	40.1	40.5	-88.86	4,536.0	-553.7	958.5	877.9	80.59	11.894	
14,725.0	10,387.3	14,672.6	10,369.3	40.3	40.7	-88.86	4,561.0	-553.8	958.3	877.4	80.92	11.844	
14,800.0	10,387.6	14,747.6	10,369.6	40.8	41.2	-88.86	4,636.0	-553.9	958.0	876.1	81.91	11.696	
14,820.0	10,387.6	14,767.6	10,369.7	40.9	41.3	-88.86	4,656.0	-554.0	957.9	875.7	82.17	11.657	
14,900.0	10,387.9	14,847.6	10,370.0	41.5	41.8	-88.86	4,736.0	-554.1	957.5	874.3	83.24	11.503	
14,915.0	10,388.0	14,862.6	10,370.1	41.6	41.9	-88.86	4,751.0	-554.1	957.4	874.0	83.44	11.475	
15,000.0	10,388.3	14,947.6	10,370.4	42.1	42.5	-88.86	4,836.0	-554.3	957.0	872.4	84.58	11.316	
15,010.0	10,388.4	14,957.6	10,370.5	42.2	42.5	-88.86	4,846.0	-554.3	957.0	872.3	84.71	11.297	
15,100.0	10,388.7	15,047.6	10,370.8	42.8	43.1	-88.86	4,936.0	-554.5	956.5	870.6	85.92	11.133	
15,105.0	10,388.7	15,052.6	10,370.8	42.8	43.2	-88.86	4,941.0	-554.5	956.5	870.5	85.99	11.124	
15,200.0	10,389.1	15,147.6	10,371.2	43.5	43.8	-88.86	5,036.0	-554.7	956.1	868.8	87.27	10.956	
15,295.0	10,389.4	15,242.6	10,371.6	44.1	44.5	-88.86	5,131.0	-554.9	955.6	867.0	88.55	10.791	
15,300.0	10,389.5	15,247.6	10,371.6	44.2	44.5	-88.86	5,136.0	-554.9	955.6	866.9	88.62	10.783	
15,390.0	10,389.8	15,337.6	10,372.0	44.8	45.1	-88.87	5,226.0	-555.1	955.1	865.3	89.85	10.631	
15,400.0	10,389.8	15,347.6	10,372.1	44.8	45.2	-88.87	5,236.0	-555.1	955.1	865.1	89.98	10.614	
15,485.0	10,390.2	15,432.6	10,372.4	45.4	45.8	-88.87	5,321.0	-555.2	954.7	863.5	91.14	10.475	
15,500.0	10,390.2	15,447.6	10,372.5	45.5	45.9	-88.87	5,336.0	-555.3	954.6	863.3	91.35	10.450	
15,580.0	10,390.5	15,527.6	10,372.8	46.1	46.4	-88.87	5,416.0	-555.4	954.2	861.8	92.44	10.322	
15,600.0	10,390.6	15,547.6	10,372.9	46.2	46.5	-88.87	5,436.0	-555.5	954.1	861.4	92.72	10.291	
15,675.0	10,390.9	15,622.6	10,373.2	46.7	47.0	-88.87	5,511.0	-555.6	953.8	860.0	93.75	10.174	
15,700.0	10,391.0	15,647.6	10,373.3	46.9	47.2	-88.87	5,536.0	-555.7	953.6	859.6	94.09	10.135	
15,770.0	10,391.2	15,717.6	10,373.6	47.4	47.7	-88.87	5,606.0	-555.8	953.3	858.2	95.06	10.029	
15,800.0	10,391.3	15,747.6	10,373.7	47.6	47.9	-88.87	5,636.0	-555.8	953.2	857.7	95.47	9.984	
15,865.0	10,391.6	15,812.6	10,374.0	48.1	48.4	-88.87	5,701.0	-556.0	952.8	856.5	96.37	9.887	
15,900.0	10,391.7	15,847.6	10,374.1	48.3	48.6	-88.87	5,736.0	-556.0	952.7	855.8	96.86	9.836	
15,960.0	10,391.9	15,907.6	10,374.4	48.7	49.0	-88.87	5,796.0	-556.2	952.4	854.7	97.69	9.749	
16,000.0	10,392.1	15,947.6	10,374.5	49.0	49.3	-88.87	5,836.0	-556.2	952.2	854.0	98.25	9.692	
16,055.0	10,392.3	16,002.6	10,374.7	49.4	49.7	-88.88	5,891.0	-556.3	951.9	852.9	99.01	9.614	
16,100.0	10,392.5	16,047.6	10,374.9	49.7	50.0	-88.88	5,936.0	-556.4	951.7	852.1	99.64	9.552	
16,150.0	10,392.7	16,097.6	10,375.1	50.0	50.3	-88.88	5,986.0	-556.5	951.5	851.1	100.34	9.483	
16,200.0	10,392.8	16,147.6	10,375.3	50.4	50.7	-88.88	6,036.0	-556.6	951.2	850.2	101.04	9.415	
16,245.0	10,393.0	16,192.6	10,375.5	50.7	51.0	-88.88	6,081.0	-556.7	951.0	849.4	101.67	9.354	
16,300.0	10,393.2	16,247.6	10,375.7	51.1	51.4	-88.88	6,136.0	-556.8	950.8	848.3	102.44	9.281	
16,340.0	10,393.4	16,287.6	10,375.9	51.4	51.7	-88.88	6,176.0	-556.9	950.6	847.6	103.00	9.229	
16,400.0	10,393.6	16,347.6	10,376.2	51.8	52.1	-88.88	6,236.0	-557.0	950.3	846.4	103.84	9.151	
16,435.0	10,393.7	16,382.6	10,376.3	52.0	52.3	-88.88	6,271.0	-557.1	950.1	845.8	104.33	9.106	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - POTATO BABY STATE COM #903H - OWB - PWP0.1

Offset Site Error: 3.0 usft

Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 9812-r.5 MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference 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
16,500.0	10,394.0	16,447.6	10,376.6	52.5	52.8	-88.88	6,336.0	-557.2	949.8	844.5	105.25	9.024	
16,530.0	10,394.1	16,477.6	10,376.7	52.7	53.0	-88.88	6,365.9	-557.3	949.6	844.0	105.67	8.987	
16,600.0	10,394.4	16,547.6	10,377.0	53.2	53.5	-88.88	6,435.9	-557.4	949.3	842.6	106.66	8.900	
16,625.0	10,394.5	16,572.6	10,377.1	53.4	53.7	-88.88	6,460.9	-557.4	949.2	842.2	107.01	8.870	
16,700.0	10,394.7	16,647.6	10,377.4	53.9	54.2	-88.89	6,535.9	-557.6	948.8	840.8	108.07	8.780	
16,720.0	10,394.8	16,667.6	10,377.5	54.1	54.3	-88.89	6,555.9	-557.6	948.7	840.4	108.36	8.756	
16,800.0	10,395.1	16,747.6	10,377.8	54.6	54.9	-88.89	6,635.9	-557.8	948.3	838.9	109.49	8.662	
16,815.0	10,395.2	16,762.6	10,377.9	54.7	55.0	-88.89	6,650.9	-557.8	948.3	838.6	109.70	8.644	
16,900.0	10,395.5	16,847.6	10,378.2	55.3	55.6	-88.89	6,735.9	-558.0	947.9	837.0	110.91	8.546	
16,910.0	10,395.5	16,857.6	10,378.3	55.4	55.7	-88.89	6,745.9	-558.0	947.8	836.8	111.05	8.535	
17,000.0	10,395.9	16,947.6	10,378.6	56.1	56.3	-88.89	6,835.9	-558.2	947.4	835.0	112.33	8.434	
17,005.0	10,395.9	16,952.6	10,378.6	56.1	56.3	-88.89	6,840.9	-558.2	947.4	835.0	112.40	8.428	
17,100.0	10,396.2	17,047.6	10,379.0	56.8	57.0	-88.89	6,935.9	-558.4	946.9	833.1	113.76	8.324	
17,195.0	10,396.6	17,142.6	10,379.4	57.5	57.7	-88.89	7,030.9	-558.5	946.4	831.3	115.11	8.222	
17,200.0	10,396.6	17,147.6	10,379.4	57.5	57.7	-88.89	7,035.9	-558.5	946.4	831.2	115.18	8.217	
17,290.0	10,397.0	17,237.6	10,379.8	58.1	58.4	-88.89	7,125.9	-558.7	946.0	829.5	116.47	8.122	
17,300.0	10,397.0	17,247.6	10,379.9	58.2	58.4	-88.89	7,135.9	-558.7	945.9	829.3	116.61	8.112	
17,385.0	10,397.3	17,332.6	10,380.2	58.8	59.0	-88.90	7,220.9	-558.9	945.5	827.7	117.83	8.024	
17,400.0	10,397.4	17,347.6	10,380.3	58.9	59.2	-88.90	7,235.9	-558.9	945.4	827.4	118.05	8.009	
17,480.0	10,397.7	17,427.6	10,380.6	59.5	59.7	-88.90	7,315.9	-559.1	945.1	825.9	119.20	7.929	
17,500.0	10,397.8	17,447.6	10,380.7	59.6	59.9	-88.90	7,335.9	-559.1	945.0	825.5	119.48	7.909	
17,575.0	10,398.0	17,522.6	10,381.0	60.2	60.4	-88.90	7,410.9	-559.3	944.6	824.0	120.56	7.835	
17,600.0	10,398.1	17,547.6	10,381.1	60.4	60.6	-88.90	7,435.9	-559.3	944.5	823.6	120.92	7.811	
17,670.0	10,398.4	17,617.6	10,381.4	60.9	61.1	-88.90	7,505.9	-559.5	944.1	822.2	121.93	7.743	
17,700.0	10,398.5	17,647.6	10,381.5	61.1	61.3	-88.90	7,535.9	-559.5	944.0	821.6	122.36	7.715	
17,765.0	10,398.7	17,712.6	10,381.8	61.6	61.8	-88.90	7,600.9	-559.6	943.7	820.4	123.30	7.654	
17,800.0	10,398.9	17,747.6	10,381.9	61.8	62.0	-88.90	7,635.9	-559.7	943.5	819.7	123.80	7.621	
17,860.0	10,399.1	17,807.6	10,382.2	62.2	62.5	-88.90	7,695.9	-559.8	943.2	818.6	124.67	7.566	
17,900.0	10,399.3	17,847.6	10,382.3	62.5	62.7	-88.90	7,735.9	-559.9	943.0	817.8	125.25	7.530	
17,955.0	10,399.5	17,902.6	10,382.5	62.9	63.1	-88.90	7,790.9	-560.0	942.8	816.7	126.04	7.480	
18,000.0	10,399.6	17,947.6	10,382.7	63.3	63.5	-88.90	7,835.9	-560.1	942.6	815.9	126.69	7.440	
18,046.6	10,399.8	17,994.2	10,382.9	63.6	63.8	-88.91	7,882.5	-560.2	942.3	815.0	127.36	7.399	
18,050.0	10,399.8	17,997.6	10,382.9	63.6	63.8	-88.91	7,885.9	-560.2	942.3	814.9	127.41	7.396	
18,096.7	10,400.0	18,044.3	10,383.1	64.0	64.2	-88.91	7,932.6	-560.3	942.1	814.0	128.09	7.355	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	-90.34	-0.5	-89.9	90.0				
95.0	95.0	97.0	97.0	3.0	3.0	-90.34	-0.5	-89.9	90.0	83.9	6.05	14.865	
100.0	100.0	102.0	102.0	3.0	3.0	-90.34	-0.5	-89.9	90.0	83.9	6.06	14.849	
190.0	190.0	192.0	192.0	3.1	3.1	-90.34	-0.5	-89.9	90.0	83.7	6.27	14.343	
200.0	200.0	202.0	202.0	3.2	3.2	-90.34	-0.5	-89.9	90.0	83.6	6.30	14.271	
285.0	285.0	287.0	287.0	3.3	3.3	-90.34	-0.5	-89.9	90.0	83.5	6.50	13.838	
300.0	300.0	302.0	302.0	3.3	3.3	-90.34	-0.5	-89.9	90.0	83.4	6.54	13.756	
380.0	380.0	382.0	382.0	3.4	3.4	-90.34	-0.5	-89.9	90.0	83.2	6.72	13.389	
400.0	400.0	402.0	402.0	3.4	3.4	-90.34	-0.5	-89.9	90.0	83.2	6.77	13.294	
475.0	475.0	477.0	477.0	3.5	3.5	-90.34	-0.5	-89.9	90.0	83.0	6.93	12.981	
500.0	500.0	502.0	502.0	3.5	3.5	-90.34	-0.5	-89.9	90.0	83.0	6.99	12.875	
570.0	570.0	572.0	572.0	3.6	3.6	-90.34	-0.5	-89.9	90.0	82.8	7.13	12.609	
600.0	600.0	602.0	602.0	3.6	3.7	-90.34	-0.5	-89.9	90.0	82.8	7.20	12.494	
665.0	665.0	667.0	667.0	3.7	3.7	-90.34	-0.5	-89.9	90.0	82.6	7.33	12.267	
700.0	700.0	702.0	702.0	3.8	3.8	-90.34	-0.5	-89.9	90.0	82.5	7.41	12.145	
760.0	760.0	762.0	762.0	3.8	3.8	-90.34	-0.5	-89.9	90.0	82.4	7.53	11.951	
800.0	800.0	802.0	802.0	3.9	3.9	-90.34	-0.5	-89.9	90.0	82.3	7.61	11.823	
855.0	855.0	857.0	857.0	4.0	4.0	-90.34	-0.5	-89.9	90.0	82.2	7.72	11.659	
900.0	900.0	902.0	902.0	4.0	4.0	-90.34	-0.5	-89.9	90.0	82.1	7.80	11.526	
950.0	950.0	952.0	952.0	4.1	4.1	-90.34	-0.5	-89.9	90.0	82.1	7.90	11.387	
1,000.0	1,000.0	1,002.0	1,002.0	4.1	4.1	-90.34	-0.5	-89.9	90.0	82.0	8.00	11.250	
1,045.0	1,045.0	1,047.0	1,047.0	4.2	4.2	-90.34	-0.5	-89.9	90.0	81.9	8.08	11.134	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	-90.34	-0.5	-89.9	90.0	81.8	8.18	10.993	
1,140.0	1,140.0	1,142.0	1,142.0	4.3	4.3	-90.34	-0.5	-89.9	90.0	81.7	8.26	10.896	
1,200.0	1,200.0	1,202.0	1,202.0	4.4	4.4	-90.34	-0.5	-89.9	90.0	81.6	8.37	10.753	
1,235.0	1,235.0	1,237.0	1,237.0	4.4	4.4	-90.34	-0.5	-89.9	90.0	81.5	8.43	10.673	
1,300.0	1,300.0	1,302.0	1,302.0	4.5	4.5	-90.34	-0.5	-89.9	90.0	81.4	8.54	10.527	
1,330.0	1,330.0	1,332.0	1,332.0	4.5	4.5	-90.34	-0.5	-89.9	90.0	81.4	8.60	10.463	
1,400.0	1,400.0	1,402.0	1,402.0	4.6	4.6	-90.34	-0.5	-89.9	90.0	81.2	8.72	10.316	
1,425.0	1,425.0	1,427.0	1,427.0	4.6	4.6	-90.34	-0.5	-89.9	90.0	81.2	8.76	10.266	
1,436.8	1,436.8	1,438.8	1,438.8	4.7	4.7	-90.34	-0.5	-89.9	90.0	81.2	8.78	10.242	CC
1,500.0	1,500.0	1,501.9	1,501.9	4.7	4.7	-90.34	-0.5	-90.0	90.0	81.1	8.89	10.114	ES
1,520.0	1,520.0	1,521.3	1,521.3	4.7	4.7	-176.14	-0.5	-90.0	90.1	81.1	8.97	10.047	SF
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-176.17	-0.5	-91.7	93.5	84.2	9.28	10.076	
1,615.0	1,615.0	1,613.3	1,613.2	4.8	4.8	-176.18	-0.5	-92.2	94.6	85.2	9.35	10.114	
1,700.0	1,699.8	1,694.9	1,694.8	5.0	5.0	-176.25	-0.3	-96.6	103.8	94.0	9.81	10.580	
1,710.0	1,709.8	1,704.5	1,704.3	5.0	5.0	-176.26	-0.3	-97.2	105.2	95.3	9.86	10.664	
1,800.0	1,799.5	1,789.8	1,789.3	5.2	5.2	-176.35	-0.1	-104.6	120.9	110.5	10.36	11.664	
1,805.0	1,804.4	1,794.4	1,793.9	5.2	5.2	-176.36	-0.1	-105.1	121.9	111.5	10.39	11.737	
1,875.0	1,873.9	1,859.6	1,858.7	5.4	5.4	-176.43	0.1	-112.5	138.0	127.3	10.72	12.876	
1,900.0	1,898.7	1,882.6	1,881.5	5.4	5.5	-176.45	0.2	-115.5	144.4	133.6	10.82	13.353	
1,995.0	1,992.9	1,969.2	1,967.1	5.6	5.8	-176.52	0.5	-128.3	170.6	159.3	11.30	15.106	
2,000.0	1,997.9	1,973.7	1,971.6	5.7	5.8	-176.52	0.5	-129.0	172.1	160.8	11.32	15.202	
2,090.0	2,087.1	2,054.2	2,050.8	5.9	6.0	-176.54	0.9	-143.4	199.5	187.7	11.79	16.924	
2,100.0	2,097.0	2,063.1	2,059.4	5.9	6.1	-176.54	1.0	-145.1	202.7	190.9	11.84	17.120	
2,185.0	2,181.3	2,137.6	2,132.3	6.2	6.3	-176.52	1.4	-160.6	231.1	218.8	12.30	18.789	
2,200.0	2,196.1	2,150.6	2,145.0	6.2	6.4	-176.52	1.5	-163.5	236.3	223.9	12.38	19.088	
2,280.0	2,275.5	2,220.9	2,213.4	6.4	6.6	-176.49	1.9	-180.1	265.1	252.3	12.82	20.673	
2,300.0	2,295.3	2,239.5	2,231.4	6.5	6.7	-176.48	2.1	-184.6	272.5	259.5	12.94	21.053	
2,375.0	2,369.7	2,309.3	2,299.1	6.7	6.9	-176.45	2.5	-201.5	299.9	286.5	13.39	22.400	
2,400.0	2,394.4	2,332.6	2,321.7	6.8	7.0	-176.44	2.7	-207.1	309.1	295.5	13.54	22.823	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,470.0	2,463.8	2,397.7	2,384.9	7.0	7.2	-176.43	3.1	-222.8	334.7	320.7	13.98	23.942	
2,500.0	2,493.6	2,425.7	2,412.0	7.1	7.3	-176.42	3.3	-229.6	345.7	331.5	14.17	24.393	
2,565.0	2,558.0	2,486.2	2,470.7	7.4	7.5	-176.40	3.7	-244.2	369.5	354.9	14.59	25.316	
2,600.0	2,592.7	2,518.7	2,502.3	7.5	7.6	-176.40	3.9	-252.1	382.3	367.5	14.83	25.786	
2,660.0	2,652.2	2,574.6	2,556.5	7.7	7.8	-176.39	4.3	-265.6	404.3	389.0	15.23	26.545	
2,700.0	2,691.9	2,611.8	2,592.6	7.8	8.0	-176.38	4.5	-274.6	418.9	403.4	15.50	27.024	
2,755.0	2,746.4	2,663.0	2,642.3	8.0	8.2	-176.37	4.9	-287.0	439.0	423.2	15.88	27.644	
2,800.0	2,791.0	2,704.8	2,682.9	8.2	8.3	-176.36	5.1	-297.1	455.5	439.3	16.20	28.126	
2,850.0	2,840.6	2,751.4	2,728.0	8.3	8.5	-176.36	5.4	-308.4	473.8	457.3	16.55	28.629	
2,900.0	2,890.2	2,797.9	2,773.2	8.5	8.7	-176.35	5.8	-319.6	492.1	475.2	16.91	29.109	
2,945.0	2,934.8	2,839.8	2,813.8	8.7	8.9	-176.35	6.0	-329.7	508.6	491.4	17.23	29.514	
3,000.0	2,989.3	2,890.9	2,863.5	8.9	9.1	-176.34	6.4	-342.1	528.7	511.1	17.63	29.987	
3,040.0	3,029.0	2,928.2	2,899.6	9.0	9.2	-176.34	6.6	-351.1	543.4	525.4	17.93	30.310	
3,100.0	3,088.5	2,984.0	2,953.8	9.3	9.4	-176.33	7.0	-364.6	565.3	547.0	18.37	30.774	
3,135.0	3,123.2	3,016.6	2,985.4	9.4	9.6	-176.33	7.2	-372.5	578.2	559.5	18.63	31.029	
3,200.0	3,187.6	3,077.1	3,044.1	9.6	9.8	-176.32	7.6	-387.1	602.0	582.8	19.12	31.481	
3,230.0	3,217.3	3,105.0	3,071.1	9.8	9.9	-176.32	7.8	-393.9	612.9	593.6	19.35	31.680	
3,300.0	3,286.7	3,170.1	3,134.4	10.0	10.2	-176.31	8.2	-409.6	638.6	618.7	19.88	32.119	
3,325.0	3,311.5	3,193.4	3,156.9	10.1	10.3	-176.31	8.4	-415.3	647.7	627.6	20.07	32.269	
3,400.0	3,385.9	3,263.2	3,224.6	10.4	10.6	-176.31	8.8	-432.1	675.2	654.5	20.65	32.696	
3,420.0	3,405.7	3,281.8	3,242.7	10.5	10.7	-176.31	9.0	-436.6	682.5	661.7	20.80	32.805	
3,500.0	3,485.0	3,356.2	3,314.9	10.8	11.0	-176.30	9.5	-454.7	711.8	690.4	21.43	33.220	
3,515.0	3,499.9	3,370.2	3,328.5	10.8	11.1	-176.30	9.5	-458.0	717.3	695.7	21.54	33.294	
3,600.0	3,584.2	3,449.3	3,405.2	11.2	11.4	-176.30	10.1	-477.2	748.4	726.2	22.21	33.695	
3,610.0	3,594.1	3,458.6	3,414.3	11.2	11.5	-176.30	10.1	-479.4	752.1	729.8	22.29	33.740	
3,700.0	3,683.3	3,542.3	3,495.5	11.6	11.8	-176.29	10.7	-499.7	785.0	762.0	23.00	34.129	
3,705.0	3,688.3	3,547.0	3,500.0	11.6	11.8	-176.29	10.7	-500.8	786.8	763.8	23.04	34.150	
3,800.0	3,782.5	3,635.4	3,585.8	12.0	12.2	-176.29	11.3	-522.2	821.6	797.8	23.80	34.525	
3,895.0	3,876.6	3,723.8	3,671.6	12.3	12.6	-176.28	11.9	-543.6	856.4	831.8	24.56	34.871	
3,900.0	3,881.6	3,728.5	3,676.1	12.4	12.6	-176.28	11.9	-544.7	858.2	833.6	24.60	34.889	
3,990.0	3,970.8	3,812.2	3,757.4	12.7	13.0	-176.28	12.5	-564.9	891.2	865.9	25.32	35.190	
4,000.0	3,980.8	3,821.5	3,766.4	12.8	13.1	-176.28	12.5	-567.2	894.8	869.4	25.41	35.223	
4,085.0	4,065.0	3,900.6	3,843.1	13.1	13.4	-176.28	13.1	-586.3	926.0	899.9	26.09	35.485	
4,100.0	4,079.9	3,914.6	3,856.7	13.2	13.5	-176.28	13.2	-589.7	931.5	905.2	26.22	35.530	
4,180.0	4,159.2	3,989.0	3,928.9	13.5	13.8	-176.27	13.6	-607.7	960.7	933.9	26.87	35.759	
4,200.0	4,179.0	4,007.6	3,947.0	13.6	13.9	-176.27	13.8	-612.2	968.1	941.0	27.03	35.814	
4,275.0	4,253.4	4,077.4	4,014.7	13.9	14.2	-176.27	14.2	-629.1	995.5	967.9	27.64	36.012	
4,300.0	4,278.2	4,100.7	4,037.3	14.0	14.3	-176.27	14.4	-634.7	1,004.7	976.8	27.85	36.076	
4,370.0	4,347.6	4,165.8	4,100.5	14.2	14.6	-176.27	14.8	-650.5	1,030.3	1,001.9	28.42	36.248	
4,400.0	4,377.3	4,193.7	4,127.6	14.4	14.8	-176.27	15.0	-657.2	1,041.3	1,012.6	28.67	36.319	
4,465.0	4,441.8	4,254.2	4,186.3	14.6	15.0	-176.27	15.4	-671.8	1,065.1	1,035.9	29.21	36.467	
4,500.0	4,476.5	4,286.8	4,217.9	14.8	15.2	-176.26	15.6	-679.7	1,077.9	1,048.4	29.50	36.545	
4,560.0	4,536.0	4,342.6	4,272.0	15.0	15.4	-176.26	16.0	-693.2	1,099.9	1,069.9	29.99	36.672	
4,600.0	4,575.6	4,379.9	4,308.2	15.2	15.6	-176.26	16.2	-702.2	1,114.5	1,084.2	30.32	36.755	
4,653.0	4,628.2	4,429.2	4,356.0	15.4	15.8	-176.26	16.6	-714.2	1,133.9	1,103.2	30.75	36.876	
4,655.0	4,630.1	4,431.0	4,357.8	15.4	15.9	-176.26	16.6	-714.6	1,134.6	1,103.9	30.77	36.880	
4,700.0	4,674.8	4,473.0	4,398.5	15.6	16.0	-176.27	16.8	-724.7	1,150.9	1,119.8	31.13	36.976	
4,750.0	4,724.4	4,519.7	4,443.9	15.8	16.3	-176.28	17.2	-736.1	1,168.7	1,137.1	31.54	37.055	
4,800.0	4,774.1	4,566.6	4,489.4	16.0	16.5	-176.29	17.5	-747.4	1,186.0	1,154.0	31.95	37.117	
4,845.0	4,818.9	4,609.0	4,530.5	16.1	16.7	-176.29	17.7	-757.6	1,201.2	1,168.9	32.32	37.166	
4,900.0	4,873.7	4,660.9	4,580.8	16.3	16.9	-176.30	18.1	-770.2	1,219.4	1,186.6	32.77	37.209	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,913.5	4,698.8	4,617.6	16.5	17.1	-176.30	18.3	-779.4	1,232.3	1,199.2	33.09	37.235	
5,000.0	4,973.4	4,755.7	4,672.9	16.7	17.4	-176.30	18.7	-793.1	1,251.1	1,217.5	33.58	37.256	
5,035.0	5,008.3	4,789.0	4,705.2	16.8	17.5	-176.30	18.9	-801.2	1,261.8	1,228.0	33.86	37.266	
5,100.0	5,073.2	4,851.1	4,765.4	17.1	17.8	-176.30	19.4	-816.2	1,281.2	1,246.8	34.38	37.267	
5,130.0	5,103.1	4,879.8	4,793.2	17.2	17.9	-176.30	19.5	-823.1	1,289.9	1,255.3	34.61	37.267	
5,200.0	5,173.1	4,947.0	4,858.4	17.4	18.3	-176.29	20.0	-839.4	1,309.6	1,274.5	35.16	37.249	
5,225.0	5,198.1	4,971.0	4,881.7	17.5	18.4	-176.29	20.1	-845.2	1,316.5	1,281.1	35.35	37.244	

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Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

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

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.4	2.4	3.0	3.0	-90.26	-0.5	-119.9	119.9				
95.0	95.0	97.4	97.4	3.0	3.0	-90.26	-0.5	-119.9	119.9	113.9	6.05	19.816	
100.0	100.0	102.4	102.4	3.0	3.0	-90.26	-0.5	-119.9	119.9	113.9	6.06	19.793	
190.0	190.0	192.4	192.4	3.1	3.1	-90.26	-0.5	-119.9	119.9	113.6	6.27	19.118	
200.0	200.0	202.4	202.4	3.2	3.2	-90.26	-0.5	-119.9	119.9	113.6	6.30	19.023	
285.0	285.0	287.4	287.4	3.3	3.3	-90.26	-0.5	-119.9	119.9	113.4	6.50	18.446	
300.0	300.0	302.4	302.4	3.3	3.3	-90.26	-0.5	-119.9	119.9	113.4	6.54	18.337	
380.0	380.0	382.4	382.4	3.4	3.4	-90.26	-0.5	-119.9	119.9	113.2	6.72	17.847	
400.0	400.0	402.4	402.4	3.4	3.4	-90.26	-0.5	-119.9	119.9	113.1	6.77	17.721	
475.0	475.0	477.4	477.4	3.5	3.5	-90.26	-0.5	-119.9	119.9	113.0	6.93	17.304	
500.0	500.0	502.4	502.4	3.5	3.5	-90.26	-0.5	-119.9	119.9	112.9	6.99	17.163	
570.0	570.0	572.4	572.4	3.6	3.6	-90.26	-0.5	-119.9	119.9	112.8	7.13	16.807	
600.0	600.0	602.4	602.4	3.6	3.7	-90.26	-0.5	-119.9	119.9	112.7	7.20	16.655	
665.0	665.0	667.4	667.4	3.7	3.7	-90.26	-0.5	-119.9	119.9	112.6	7.33	16.352	
700.0	700.0	702.4	702.4	3.8	3.8	-90.26	-0.5	-119.9	119.9	112.5	7.41	16.189	
760.0	760.0	762.4	762.4	3.8	3.8	-90.26	-0.5	-119.9	119.9	112.4	7.53	15.931	
800.0	800.0	802.4	802.4	3.9	3.9	-90.26	-0.5	-119.9	119.9	112.3	7.61	15.760	
855.0	855.0	857.4	857.4	4.0	4.0	-90.26	-0.5	-119.9	119.9	112.2	7.72	15.541	
900.0	900.0	902.4	902.4	4.0	4.0	-90.26	-0.5	-119.9	119.9	112.1	7.80	15.364	
950.0	950.0	952.4	952.4	4.1	4.1	-90.26	-0.5	-119.9	119.9	112.0	7.90	15.179	
1,000.0	1,000.0	1,002.4	1,002.4	4.1	4.1	-90.26	-0.5	-119.9	119.9	111.9	8.00	14.996	
1,045.0	1,045.0	1,047.4	1,047.4	4.2	4.2	-90.26	-0.5	-119.9	119.9	111.8	8.08	14.841	
1,100.0	1,100.0	1,102.4	1,102.4	4.3	4.3	-90.26	-0.5	-119.9	119.9	111.7	8.18	14.653	
1,140.0	1,140.0	1,142.4	1,142.4	4.3	4.3	-90.26	-0.5	-119.9	119.9	111.7	8.26	14.525	
1,200.0	1,200.0	1,202.4	1,202.4	4.4	4.4	-90.26	-0.5	-119.9	119.9	111.5	8.37	14.333	
1,235.0	1,235.0	1,237.4	1,237.4	4.4	4.4	-90.26	-0.5	-119.9	119.9	111.5	8.43	14.227	
1,300.0	1,300.0	1,302.4	1,302.4	4.5	4.5	-90.26	-0.5	-119.9	119.9	111.4	8.54	14.033	
1,330.0	1,330.0	1,332.4	1,332.4	4.5	4.5	-90.26	-0.5	-119.9	119.9	111.3	8.60	13.948	
1,400.0	1,400.0	1,402.4	1,402.4	4.6	4.6	-90.26	-0.5	-119.9	119.9	111.2	8.72	13.751	
1,425.0	1,425.0	1,427.4	1,427.4	4.6	4.6	-90.26	-0.5	-119.9	119.9	111.1	8.76	13.684	
1,436.7	1,436.7	1,439.1	1,439.1	4.7	4.7	-90.26	-0.5	-119.9	119.9	111.1	8.78	13.653	CC
1,500.0	1,500.0	1,502.3	1,502.3	4.7	4.7	-90.26	-0.5	-119.9	119.9	111.0	8.89	13.482	ES
1,520.0	1,520.0	1,521.5	1,521.5	4.7	4.7	-176.05	-0.5	-120.0	120.1	111.1	8.97	13.389	
1,600.0	1,600.0	1,600.0	1,600.0	4.8	4.8	-175.90	-0.1	-121.6	123.4	114.1	9.27	13.310	SF
1,615.0	1,615.0	1,612.7	1,612.6	4.8	4.9	-175.85	0.0	-122.1	124.4	115.1	9.34	13.323	
1,700.0	1,699.8	1,693.7	1,693.5	5.0	5.0	-175.50	1.1	-126.2	133.5	123.7	9.79	13.631	
1,710.0	1,709.8	1,703.1	1,703.0	5.0	5.0	-175.45	1.3	-126.9	134.9	125.0	9.85	13.697	
1,800.0	1,799.5	1,787.7	1,787.2	5.2	5.2	-174.94	3.2	-133.9	150.2	139.9	10.34	14.534	
1,805.0	1,804.4	1,792.4	1,791.9	5.2	5.2	-174.92	3.3	-134.3	151.2	140.9	10.36	14.599	
1,875.0	1,873.9	1,857.1	1,856.1	5.4	5.4	-174.50	5.2	-141.4	167.1	156.4	10.69	15.633	
1,900.0	1,898.7	1,879.9	1,878.8	5.4	5.5	-174.36	5.9	-144.2	173.4	162.6	10.79	16.078	
1,995.0	1,992.9	1,965.9	1,963.9	5.6	5.8	-173.80	9.2	-156.4	199.1	187.8	11.26	17.688	
2,000.0	1,997.9	1,970.4	1,968.3	5.7	5.8	-173.77	9.4	-157.1	200.5	189.2	11.28	17.776	
2,090.0	2,087.1	2,050.4	2,047.1	5.9	6.1	-173.22	13.0	-170.9	227.5	215.7	11.74	19.367	
2,100.0	2,097.0	2,059.2	2,055.7	5.9	6.1	-173.16	13.5	-172.5	230.6	218.8	11.80	19.549	
2,185.0	2,181.3	2,133.3	2,128.2	6.2	6.3	-172.66	17.4	-187.3	258.4	246.2	12.25	21.099	
2,200.0	2,196.1	2,146.3	2,140.8	6.2	6.4	-172.57	18.1	-190.1	263.5	251.2	12.33	21.378	
2,280.0	2,275.5	2,216.0	2,208.6	6.4	6.6	-172.11	22.4	-205.9	291.9	279.1	12.77	22.863	
2,300.0	2,295.3	2,234.7	2,226.7	6.5	6.7	-171.99	23.5	-210.2	299.1	286.2	12.88	23.219	
2,375.0	2,369.7	2,304.6	2,294.5	6.7	6.9	-171.61	27.9	-226.6	326.2	312.9	13.32	24.480	
2,400.0	2,394.4	2,327.9	2,317.1	6.8	7.0	-171.50	29.3	-232.0	335.2	321.7	13.48	24.874	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,470.0	2,463.8	2,393.1	2,380.4	7.0	7.2	-171.20	33.4	-247.3	360.5	346.6	13.91	25.918	
2,500.0	2,493.6	2,421.1	2,407.6	7.1	7.3	-171.09	35.1	-253.8	371.3	357.2	14.10	26.339	
2,565.0	2,558.0	2,481.7	2,466.4	7.4	7.5	-170.87	38.9	-268.0	394.8	380.3	14.52	27.198	
2,600.0	2,592.7	2,514.3	2,498.0	7.5	7.6	-170.76	40.9	-275.6	407.5	392.7	14.74	27.636	
2,660.0	2,652.2	2,570.2	2,552.3	7.7	7.8	-170.59	44.4	-288.7	429.2	414.0	15.14	28.339	
2,700.0	2,691.9	2,607.5	2,588.5	7.8	8.0	-170.48	46.7	-297.4	443.6	428.2	15.41	28.784	
2,755.0	2,746.4	2,658.8	2,638.2	8.0	8.2	-170.35	49.9	-309.4	463.5	447.7	15.79	29.357	
2,800.0	2,791.0	2,700.7	2,678.9	8.2	8.3	-170.25	52.5	-319.2	479.8	463.7	16.10	29.804	
2,850.0	2,840.6	2,747.3	2,724.1	8.3	8.5	-170.14	55.4	-330.1	497.9	481.4	16.45	30.267	
2,900.0	2,890.2	2,794.0	2,769.4	8.5	8.7	-170.05	58.3	-341.0	516.0	499.2	16.80	30.710	
2,945.0	2,934.8	2,835.9	2,810.1	8.7	8.9	-169.97	60.9	-350.8	532.2	515.1	17.12	31.083	
3,000.0	2,989.3	2,887.2	2,859.8	8.9	9.1	-169.87	64.1	-362.8	552.1	534.6	17.52	31.517	
3,040.0	3,029.0	2,924.5	2,896.0	9.0	9.2	-169.81	66.4	-371.5	566.6	548.8	17.81	31.815	
3,100.0	3,088.5	2,980.4	2,950.3	9.3	9.4	-169.72	69.9	-384.6	588.3	570.1	18.25	32.239	
3,135.0	3,123.2	3,013.0	2,981.9	9.4	9.6	-169.67	72.0	-392.2	601.0	582.5	18.51	32.474	
3,200.0	3,187.6	3,073.6	3,040.7	9.6	9.8	-169.58	75.7	-406.4	624.5	605.5	18.99	32.887	
3,230.0	3,217.3	3,101.6	3,067.8	9.8	9.9	-169.54	77.5	-412.9	635.4	616.1	19.21	33.068	
3,300.0	3,286.7	3,166.8	3,131.2	10.0	10.2	-169.46	81.5	-428.2	660.7	640.9	19.74	33.469	
3,325.0	3,311.5	3,190.1	3,153.8	10.1	10.3	-169.43	83.0	-433.6	669.7	649.8	19.93	33.606	
3,400.0	3,385.9	3,260.0	3,221.6	10.4	10.6	-169.35	87.3	-450.0	696.9	676.4	20.50	33.994	
3,420.0	3,405.7	3,278.7	3,239.7	10.5	10.7	-169.33	88.5	-454.3	704.1	683.5	20.65	34.093	
3,500.0	3,485.0	3,353.3	3,312.1	10.8	11.0	-169.25	93.1	-471.7	733.1	711.8	21.27	34.469	
3,515.0	3,499.9	3,367.2	3,325.6	10.8	11.1	-169.24	94.0	-475.0	738.5	717.1	21.38	34.536	
3,600.0	3,584.2	3,446.5	3,402.5	11.2	11.4	-169.16	98.9	-493.5	769.2	747.2	22.04	34.900	
3,610.0	3,594.1	3,455.8	3,411.5	11.2	11.4	-169.16	99.5	-495.7	772.9	750.7	22.12	34.940	
3,700.0	3,683.3	3,539.7	3,492.9	11.6	11.8	-169.08	104.7	-515.3	805.4	782.6	22.82	35.291	
3,705.0	3,688.3	3,544.3	3,497.5	11.6	11.8	-169.08	105.0	-516.4	807.2	784.4	22.86	35.310	
3,800.0	3,782.5	3,632.9	3,583.4	12.0	12.2	-169.01	110.5	-537.1	841.6	818.0	23.61	35.648	
3,895.0	3,876.6	3,721.5	3,669.3	12.3	12.6	-168.94	116.1	-557.8	876.0	851.6	24.36	35.959	
3,900.0	3,881.6	3,726.1	3,673.8	12.4	12.6	-168.94	116.3	-558.9	877.8	853.4	24.40	35.974	
3,990.0	3,970.8	3,810.0	3,755.2	12.7	13.0	-168.88	121.6	-578.5	910.4	885.3	25.12	36.245	
4,000.0	3,980.8	3,819.3	3,764.3	12.8	13.1	-168.88	122.1	-580.7	914.0	888.8	25.20	36.274	
4,085.0	4,065.0	3,898.6	3,841.2	13.1	13.4	-168.83	127.1	-599.2	944.8	918.9	25.88	36.508	
4,100.0	4,079.9	3,912.5	3,854.7	13.2	13.5	-168.82	127.9	-602.5	950.2	924.2	26.00	36.548	
4,180.0	4,159.2	3,987.1	3,927.1	13.5	13.8	-168.78	132.6	-619.9	979.2	952.5	26.64	36.752	
4,200.0	4,179.0	4,005.8	3,945.2	13.6	13.9	-168.77	133.7	-624.3	986.4	959.6	26.80	36.801	
4,275.0	4,253.4	4,075.7	4,013.0	13.9	14.2	-168.73	138.1	-640.6	1,013.5	986.1	27.41	36.978	
4,300.0	4,278.2	4,099.0	4,035.6	14.0	14.3	-168.72	139.6	-646.1	1,022.6	995.0	27.61	37.035	
4,370.0	4,347.6	4,164.2	4,098.9	14.2	14.6	-168.69	143.6	-661.3	1,047.9	1,019.8	28.18	37.187	
4,400.0	4,377.3	4,192.2	4,126.1	14.4	14.8	-168.67	145.4	-667.9	1,058.8	1,030.4	28.42	37.250	
4,465.0	4,441.8	4,252.8	4,184.9	14.6	15.0	-168.64	149.1	-682.0	1,082.3	1,053.4	28.95	37.382	
4,500.0	4,476.5	4,285.4	4,216.5	14.8	15.2	-168.63	151.2	-689.7	1,095.0	1,065.8	29.24	37.450	
4,560.0	4,536.0	4,341.3	4,270.8	15.0	15.4	-168.60	154.6	-702.7	1,116.7	1,087.0	29.73	37.563	
4,600.0	4,575.6	4,378.6	4,307.0	15.2	15.6	-168.59	157.0	-711.5	1,131.2	1,101.1	30.06	37.636	
4,653.0	4,628.2	4,428.0	4,354.9	15.4	15.8	-168.57	160.0	-723.0	1,150.4	1,119.9	30.48	37.745	
4,655.0	4,630.1	4,429.9	4,356.7	15.4	15.9	-168.57	160.1	-723.4	1,151.1	1,120.6	30.49	37.749	
4,700.0	4,674.8	4,471.9	4,397.5	15.6	16.0	-168.58	162.8	-733.3	1,167.2	1,136.4	30.85	37.835	
4,750.0	4,724.4	4,518.7	4,442.9	15.8	16.3	-168.60	165.7	-744.2	1,184.7	1,153.5	31.26	37.903	
4,800.0	4,774.1	4,565.7	4,488.5	16.0	16.5	-168.60	168.6	-755.2	1,201.9	1,170.2	31.67	37.955	
4,845.0	4,818.9	4,608.1	4,529.6	16.1	16.7	-168.61	171.2	-765.1	1,216.9	1,184.9	32.03	37.994	
4,900.0	4,873.7	4,660.1	4,580.1	16.3	16.9	-168.61	174.5	-777.3	1,234.9	1,202.4	32.47	38.027	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

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

Offset Site Error: 3.0 usft

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

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,913.5	4,698.0	4,616.8	16.5	17.1	-168.60	176.8	-786.1	1,247.7	1,214.9	32.79	38.045	
5,000.0	4,973.4	4,755.0	4,672.2	16.7	17.4	-168.59	180.4	-799.4	1,266.3	1,233.0	33.27	38.056	
5,035.0	5,008.3	4,788.3	4,704.5	16.8	17.5	-168.58	182.5	-807.2	1,276.9	1,243.4	33.55	38.061	
5,100.0	5,073.2	4,850.4	4,764.8	17.1	17.8	-168.56	186.3	-821.8	1,296.1	1,262.0	34.06	38.051	
5,130.0	5,103.1	4,879.2	4,792.6	17.2	18.0	-168.55	188.1	-828.5	1,304.7	1,270.4	34.29	38.046	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-89.31	10.9	-905.0	905.9				
95.0	95.0	56.6	56.6	3.0	3.1	-89.31	10.9	-905.0	905.1	899.0	6.10	148.488	
100.0	100.0	61.6	61.6	3.0	3.1	-89.31	10.9	-905.0	905.1	899.0	6.11	148.087	
190.0	190.0	151.6	151.6	3.1	3.5	-89.31	10.9	-905.0	905.1	898.5	6.61	136.924	
200.0	200.0	161.6	161.6	3.2	3.5	-89.31	10.9	-905.0	905.1	898.4	6.69	135.362	
285.0	285.0	246.6	246.6	3.3	4.4	-89.31	10.9	-905.0	905.1	897.4	7.66	118.149	
300.0	300.0	261.6	261.6	3.3	4.8	-89.31	10.9	-905.0	905.1	897.1	8.03	112.709	
380.0	380.0	341.6	341.6	3.4	6.9	-89.28	11.4	-905.0	905.1	894.9	10.22	88.572	
400.0	400.0	361.7	361.7	3.4	7.4	-89.28	11.4	-905.0	905.1	894.3	10.80	83.772	
475.0	475.0	436.8	436.6	3.5	9.7	-89.31	10.9	-905.0	905.1	891.9	13.20	68.581	
500.0	500.0	461.8	461.6	3.5	10.7	-89.31	10.9	-905.0	905.1	890.9	14.18	63.827	
570.0	570.0	531.8	531.6	3.6	13.4	-89.23	12.2	-905.0	905.1	888.1	16.96	53.357	
600.0	600.0	562.0	561.7	3.6	14.6	-89.24	12.0	-905.0	905.1	886.9	18.17	49.807	
665.0	665.0	627.0	626.6	3.7	17.1	-89.31	10.9	-905.0	905.1	884.3	20.76	43.604	
700.0	700.0	662.0	661.6	3.8	18.3	-89.31	10.9	-905.0	905.1	883.1	22.00	41.133	
760.0	760.0	722.0	721.6	3.8	20.4	-89.31	10.9	-905.0	905.1	880.9	24.14	37.490	
800.0	800.0	762.2	761.7	3.9	21.8	-89.22	12.2	-905.0	905.1	879.5	25.58	35.388	
855.0	855.0	817.4	816.9	4.0	23.7	-89.27	11.5	-905.0	905.1	877.5	27.55	32.851	
900.0	900.0	862.2	861.6	4.0	25.2	-89.31	10.9	-905.0	905.1	876.0	29.10	31.105	
950.0	950.0	912.3	911.6	4.1	26.8	-89.28	11.4	-905.0	905.1	874.3	30.76	29.424	
1,000.0	1,000.0	962.3	961.6	4.1	28.4	-89.31	10.9	-905.0	905.1	872.7	32.44	27.903	
1,045.0	1,045.0	1,007.3	1,006.6	4.2	30.1	-89.31	10.9	-905.0	905.1	871.0	34.11	26.536	
1,100.0	1,100.0	1,062.4	1,061.6	4.3	32.1	-89.24	12.0	-905.0	905.1	868.9	36.15	25.036	
1,140.0	1,140.0	1,102.5	1,101.7	4.3	33.5	-89.26	11.7	-905.0	905.1	867.5	37.64	24.044	
1,200.0	1,200.0	1,162.5	1,161.6	4.4	35.7	-89.31	10.9	-905.0	905.1	865.2	39.92	22.673	
1,235.0	1,235.0	1,197.5	1,196.6	4.4	37.1	-89.31	10.9	-905.0	905.1	863.7	41.36	21.885	
1,300.0	1,300.0	1,262.8	1,261.8	4.5	39.8	-89.28	11.5	-905.0	905.1	861.1	44.04	20.553	
1,330.0	1,330.0	1,292.7	1,291.6	4.5	41.0	-89.31	10.9	-905.0	905.1	859.8	45.28	19.989	
1,400.0	1,400.0	1,362.7	1,361.6	4.6	44.1	-89.31	10.9	-905.0	905.1	856.7	48.44	18.686	
1,425.0	1,425.0	1,387.8	1,386.6	4.6	45.2	-89.31	10.8	-905.0	905.1	855.5	49.57	18.260 CC	
1,426.7	1,426.7	1,389.4	1,388.3	4.6	45.3	-89.31	10.8	-905.0	905.1	855.4	49.64	18.233	
1,500.0	1,500.0	1,462.8	1,461.6	4.7	48.5	-89.31	10.9	-905.0	905.1	852.1	52.95	17.093	
1,520.0	1,520.0	1,484.1	1,482.6	4.7	49.3	-175.10	11.1	-905.0	905.2	851.3	53.82	16.818	
1,600.0	1,600.0	1,574.0	1,572.5	4.8	50.2	-174.98	13.1	-904.1	906.0	851.2	54.80	16.534 ES	
1,615.0	1,615.0	1,589.2	1,587.7	4.8	50.2	-174.96	13.5	-903.9	906.4	851.6	54.84	16.527	
1,700.0	1,699.8	1,675.9	1,674.4	5.0	50.2	-174.86	15.3	-902.8	909.9	854.9	55.09	16.518	
1,710.0	1,709.8	1,686.1	1,684.6	5.0	50.2	-174.85	15.5	-902.6	910.5	855.4	55.12	16.519	
1,800.0	1,799.5	1,776.9	1,775.3	5.2	50.2	-174.82	16.5	-901.2	917.1	861.7	55.39	16.556	
1,805.0	1,804.4	1,781.9	1,780.4	5.2	50.2	-174.82	16.6	-901.2	917.6	862.2	55.41	16.561	
1,875.0	1,873.9	1,855.8	1,854.3	5.4	50.2	-174.81	17.3	-899.9	924.6	869.1	55.56	16.642	
1,900.0	1,898.7	1,883.0	1,881.4	5.4	50.2	-174.81	17.6	-899.3	927.3	871.7	55.59	16.680	
1,995.0	1,992.9	1,985.8	1,984.2	5.6	50.2	-174.81	18.8	-896.5	937.1	881.3	55.83	16.785	
2,000.0	1,997.9	1,991.2	1,989.6	5.7	50.2	-174.80	18.9	-896.3	937.6	881.8	55.84	16.790	
2,090.0	2,087.1	2,074.4	2,072.7	5.9	50.2	-174.80	19.9	-893.8	946.7	890.6	56.11	16.873	
2,100.0	2,097.0	2,083.5	2,081.9	5.9	50.2	-174.80	20.0	-893.6	947.8	891.6	56.14	16.883	
2,185.0	2,181.3	2,175.5	2,173.8	6.2	50.3	-174.83	20.6	-891.0	956.5	900.1	56.39	16.963	
2,200.0	2,196.1	2,191.6	2,189.8	6.2	50.3	-174.83	20.7	-890.5	957.9	901.5	56.43	16.975	
2,280.0	2,275.5	2,273.1	2,271.4	6.4	50.3	-174.84	21.4	-887.7	965.6	908.9	56.69	17.034	
2,300.0	2,295.3	2,292.4	2,290.7	6.5	50.3	-174.85	21.6	-887.0	967.5	910.7	56.75	17.047	
2,375.0	2,369.7	2,362.3	2,360.5	6.7	50.3	-174.87	22.1	-884.7	974.8	917.8	57.01	17.098	
2,400.0	2,394.4	2,384.6	2,382.8	6.8	50.3	-174.87	22.2	-884.1	977.3	920.2	57.10	17.116	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Rule Assigned: Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,470.0	2,463.8	2,443.3	2,441.5	7.0	50.3	-174.89	22.5	-882.8	984.9	927.6	57.36	17.172	
2,500.0	2,493.6	2,471.0	2,469.2	7.1	50.3	-174.90	22.7	-882.4	988.4	931.0	57.47	17.200	
2,565.0	2,558.0	2,527.2	2,525.3	7.4	50.4	-174.93	22.9	-881.9	996.3	938.6	57.70	17.267	
2,600.0	2,592.7	2,559.7	2,557.8	7.5	50.4	-174.95	22.9	-881.8	1,000.7	942.9	57.83	17.305	
2,660.0	2,652.2	2,615.7	2,613.8	7.7	50.4	-174.99	22.9	-881.6	1,008.3	950.3	58.05	17.370	
2,700.0	2,691.9	2,655.3	2,653.5	7.8	50.4	-175.01	22.9	-881.6	1,013.5	955.3	58.20	17.414	
2,755.0	2,746.4	2,709.8	2,708.0	8.0	50.4	-175.05	22.9	-881.6	1,020.7	962.3	58.42	17.473	
2,800.0	2,791.0	2,754.5	2,752.6	8.2	50.4	-175.07	22.9	-881.6	1,026.6	968.0	58.59	17.521	
2,850.0	2,840.6	2,804.0	2,802.2	8.3	50.5	-175.11	22.9	-881.6	1,033.1	974.3	58.79	17.573	
2,900.0	2,890.2	2,853.4	2,851.6	8.5	50.5	-175.14	22.9	-881.4	1,039.4	980.4	58.99	17.621	
2,945.0	2,934.8	2,897.7	2,895.8	8.7	50.5	-175.16	22.9	-881.5	1,045.2	986.1	59.17	17.666	
3,000.0	2,989.3	2,951.7	2,949.9	8.9	50.5	-175.20	22.9	-881.5	1,052.4	993.0	59.39	17.722	
3,040.0	3,029.0	2,991.1	2,989.2	9.0	50.5	-175.22	22.9	-881.5	1,057.7	998.1	59.55	17.762	
3,100.0	3,088.5	3,051.9	3,050.1	9.3	50.6	-175.26	22.9	-881.6	1,065.6	1,005.8	59.80	17.820	
3,135.0	3,123.2	3,086.6	3,084.8	9.4	50.6	-175.28	22.9	-881.6	1,070.1	1,010.1	60.00	17.834	
3,200.0	3,187.6	3,151.0	3,149.2	9.6	50.8	-175.31	22.9	-881.6	1,078.6	1,018.2	60.39	17.861	
3,230.0	3,217.3	3,180.8	3,178.9	9.8	50.8	-175.32	23.0	-881.6	1,082.5	1,021.9	60.57	17.872	
3,300.0	3,286.7	3,250.2	3,248.3	10.0	51.0	-175.36	23.0	-881.6	1,091.6	1,030.6	60.98	17.899	
3,325.0	3,311.5	3,275.0	3,273.1	10.1	51.0	-175.38	22.9	-881.6	1,094.8	1,033.7	61.13	17.909	
3,400.0	3,385.9	3,349.3	3,347.5	10.4	51.3	-175.42	22.9	-881.6	1,104.6	1,042.9	61.66	17.914	
3,420.0	3,405.7	3,369.2	3,367.3	10.5	51.4	-175.43	22.9	-881.6	1,107.2	1,045.4	61.81	17.912	
3,500.0	3,485.0	3,448.5	3,446.6	10.8	51.7	-175.46	23.2	-881.6	1,117.6	1,055.2	62.43	17.903	
3,515.0	3,499.9	3,463.4	3,461.5	10.8	51.7	-175.47	23.1	-881.6	1,119.6	1,057.0	62.54	17.901	
3,600.0	3,584.2	3,547.7	3,545.8	11.2	52.0	-175.53	22.9	-881.6	1,130.6	1,067.4	63.20	17.890	
3,610.0	3,594.1	3,557.5	3,555.7	11.2	52.1	-175.53	22.9	-881.6	1,131.9	1,068.7	63.28	17.888	
3,700.0	3,683.3	3,646.8	3,644.9	11.6	52.5	-175.57	23.0	-881.6	1,143.6	1,079.6	64.09	17.844	
3,705.0	3,688.3	3,651.7	3,649.9	11.6	52.6	-175.58	23.0	-881.6	1,144.3	1,080.2	64.13	17.842	
3,800.0	3,782.5	3,745.9	3,744.1	12.0	53.1	-175.63	22.9	-881.6	1,156.7	1,091.6	65.05	17.780	
3,895.0	3,876.6	3,840.1	3,838.2	12.3	53.7	-175.68	22.9	-881.6	1,169.0	1,103.0	66.03	17.704	
3,900.0	3,881.6	3,845.1	3,843.2	12.4	53.8	-175.68	22.9	-881.6	1,169.7	1,103.6	66.08	17.700	
3,990.0	3,970.8	3,934.3	3,932.4	12.7	54.4	-175.72	22.9	-881.6	1,181.4	1,114.3	67.06	17.617	
4,000.0	3,980.8	3,944.2	3,942.4	12.8	54.4	-175.73	22.9	-881.6	1,182.7	1,115.5	67.17	17.606	
4,085.0	4,065.0	4,028.5	4,026.6	13.1	55.1	-175.76	23.1	-881.6	1,193.8	1,125.6	68.16	17.513	
4,100.0	4,079.9	4,043.4	4,041.5	13.2	55.2	-175.77	23.0	-881.6	1,195.7	1,127.4	68.34	17.497	
4,180.0	4,159.2	4,122.7	4,120.8	13.5	55.9	-175.81	22.9	-881.6	1,206.1	1,136.8	69.32	17.398	
4,200.0	4,179.0	4,142.5	4,140.6	13.6	56.0	-175.82	22.9	-881.6	1,208.7	1,139.1	69.57	17.373	
4,275.0	4,253.4	4,216.9	4,215.0	13.9	56.7	-175.84	23.1	-881.6	1,218.5	1,148.0	70.52	17.279	
4,300.0	4,278.2	4,241.7	4,239.8	14.0	56.9	-175.86	23.0	-881.6	1,221.7	1,150.9	70.83	17.248	
4,370.0	4,347.6	4,311.1	4,309.2	14.2	57.6	-175.89	22.9	-881.6	1,230.9	1,159.1	71.77	17.149	
4,400.0	4,377.3	4,340.8	4,338.9	14.4	57.8	-175.91	22.9	-881.6	1,234.8	1,162.6	72.18	17.107	
4,465.0	4,441.8	4,405.3	4,403.4	14.6	58.5	-175.92	23.1	-881.6	1,243.2	1,170.2	73.06	17.015	
4,500.0	4,476.5	4,440.0	4,438.1	14.8	58.8	-175.95	22.9	-881.6	1,247.8	1,174.2	73.54	16.967	
4,560.0	4,536.0	4,499.5	4,497.6	15.0	59.4	-175.97	22.9	-881.6	1,255.6	1,181.2	74.41	16.874	
4,600.0	4,575.6	4,539.2	4,537.2	15.2	59.8	-175.99	22.9	-881.6	1,260.8	1,185.8	74.99	16.812	
4,653.0	4,628.2	4,591.7	4,589.8	15.4	60.4	-176.00	23.1	-881.6	1,267.7	1,191.9	75.75	16.735	
4,655.0	4,630.1	4,593.7	4,591.7	15.4	60.4	-176.00	23.1	-881.6	1,268.0	1,192.2	75.78	16.732	
4,700.0	4,674.8	4,638.3	4,636.4	15.6	60.9	-176.03	22.9	-881.6	1,273.6	1,197.2	76.42	16.665	
4,750.0	4,724.4	4,688.0	4,686.0	15.8	61.5	-176.06	22.9	-881.6	1,279.5	1,202.3	77.18	16.578	
4,800.0	4,774.1	4,737.7	4,735.7	16.0	62.0	-176.07	23.2	-881.6	1,285.0	1,207.0	77.95	16.485	
4,845.0	4,818.9	4,782.4	4,780.5	16.1	62.5	-176.09	23.1	-881.6	1,289.5	1,210.9	78.63	16.399	
4,900.0	4,873.7	4,837.2	4,835.3	16.3	63.2	-176.11	22.9	-881.6	1,294.6	1,215.1	79.48	16.287	

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 #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Offset Design: POTATO BABY STATE PROJECT (ATLAS 2628) - SKEEN 34 STATE COM #1H (P&A) - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 227-INC-ONLY, 1520-MWD, 3050-INC-ONLY, 6266-MWD

Offset Well Error: 3.0 usft

Rule Assigned:

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,913.5	4,877.1	4,875.1	16.5	63.7	-176.13	22.9	-881.6	1,297.9	1,217.8	80.13	16.198	
5,000.0	4,973.4	4,936.9	4,934.9	16.7	64.4	-176.13	23.1	-881.6	1,302.5	1,221.4	81.10	16.061	
5,035.0	5,008.3	4,971.8	4,969.8	16.8	64.9	-176.15	23.0	-881.6	1,304.8	1,223.2	81.66	15.980	
5,100.0	5,073.2	5,036.8	5,034.8	17.1	65.7	-176.17	22.9	-881.6	1,308.6	1,225.8	82.78	15.809	
5,130.0	5,103.1	5,066.7	5,064.7	17.2	66.2	-176.17	22.9	-881.6	1,310.1	1,226.8	83.29	15.729	
5,200.0	5,173.1	5,136.6	5,134.6	17.4	67.1	-176.17	23.1	-881.6	1,313.0	1,228.5	84.50	15.539	
5,225.0	5,198.1	5,161.6	5,159.6	17.5	67.5	-176.18	23.0	-881.6	1,313.8	1,228.9	84.92	15.471	
5,300.0	5,273.0	5,236.7	5,234.6	17.7	68.6	-176.19	22.9	-881.6	1,315.7	1,229.4	86.27	15.250	
5,320.0	5,293.0	5,256.7	5,254.6	17.7	68.9	-176.19	22.9	-881.6	1,316.0	1,229.4	86.61	15.194	
5,403.0	5,376.0	5,339.6	5,337.5	17.8	70.2	-90.38	23.1	-881.6	1,316.6	1,228.6	88.01	14.960	
5,415.0	5,388.0	5,351.6	5,349.6	17.9	70.4	-90.39	23.0	-881.6	1,316.6	1,228.4	88.20	14.928	
5,500.0	5,473.0	5,436.7	5,434.6	17.9	71.7	-90.39	22.9	-881.6	1,316.6	1,227.0	89.56	14.702	
5,510.0	5,483.0	5,446.7	5,444.6	17.9	71.9	-90.39	22.9	-881.6	1,316.6	1,226.9	89.72	14.675	
5,539.4	5,512.4	5,476.1	5,474.0	17.9	72.3	-90.37	23.5	-881.6	1,316.6	1,226.4	90.19	14.599	
5,600.0	5,573.0	5,536.7	5,534.6	17.9	73.3	-90.38	23.3	-881.6	1,316.6	1,225.4	91.16	14.443	
5,605.0	5,578.0	5,541.7	5,539.6	17.9	73.3	-90.38	23.3	-881.6	1,316.6	1,225.4	91.24	14.430	
5,700.0	5,673.0	5,636.7	5,634.6	18.0	74.8	-90.39	22.9	-881.6	1,316.6	1,223.8	92.77	14.193	
5,723.8	5,696.9	5,660.6	5,658.5	18.0	75.2	-90.38	23.2	-881.6	1,316.6	1,223.5	93.15	14.134	
5,795.0	5,768.0	5,731.7	5,729.6	18.0	76.3	-90.39	22.9	-881.6	1,316.6	1,222.3	94.29	13.963	
5,800.0	5,773.0	5,736.8	5,734.6	18.0	76.4	-90.39	22.9	-881.6	1,316.6	1,222.2	94.38	13.950	
5,890.0	5,863.0	5,826.8	5,824.6	18.1	78.0	-90.39	22.9	-881.6	1,316.6	1,220.6	95.97	13.718	
5,900.0	5,873.0	5,836.8	5,834.6	18.1	78.1	-90.39	22.9	-881.6	1,316.6	1,220.5	96.15	13.693	
5,926.9	5,899.9	5,863.6	5,861.5	18.1	78.6	-90.37	23.4	-881.6	1,316.6	1,220.0	96.63	13.625	
5,985.0	5,958.0	5,921.7	5,919.6	18.1	79.6	-90.38	23.2	-881.6	1,316.6	1,218.9	97.66	13.482	
6,000.0	5,973.0	5,936.7	5,934.6	18.1	79.9	-90.38	23.1	-881.6	1,316.6	1,218.7	97.92	13.445	
6,077.0	6,050.1	6,013.8	6,011.7	18.1	81.2	-90.38	23.2	-881.6	1,316.6	1,217.3	99.34	13.253	
6,080.0	6,053.0	6,016.8	6,014.6	18.1	81.3	-90.38	23.2	-881.6	1,316.6	1,217.2	99.40	13.246	
6,100.0	6,073.0	6,036.8	6,034.6	18.1	81.7	-90.38	23.1	-881.6	1,316.6	1,216.8	99.77	13.196	
6,175.0	6,148.0	6,111.8	6,109.6	18.2	83.1	-90.40	22.8	-881.6	1,316.6	1,215.4	101.20	13.010	
6,200.0	6,173.0	6,136.9	6,134.6	18.2	83.5	-90.40	22.8	-881.6	1,316.6	1,214.9	101.68	12.949	
6,218.1	6,191.2	6,155.0	6,152.8	18.2	83.9	-90.39	22.9	-881.6	1,316.6	1,214.6	102.02	12.905	
6,270.0	6,243.0	6,199.6	6,197.4	18.2	84.3	-90.39	23.0	-881.7	1,316.7	1,214.2	102.50	12.847	
6,300.0	6,273.0	6,225.3	6,223.1	18.2	84.6	-90.40	22.6	-881.9	1,317.0	1,214.2	102.76	12.815	
6,365.0	6,338.0	6,284.7	6,282.4	18.3	85.1	-90.46	21.3	-882.6	1,317.7	1,214.4	103.34	12.751	
6,400.0	6,373.0	6,321.9	6,319.5	18.3	85.5	-90.38	23.2	-883.1	1,318.2	1,214.5	103.66	12.716	
6,460.0	6,433.0	6,390.9	6,387.6	18.3	86.1	-89.88	34.7	-883.8	1,318.7	1,214.6	104.13	12.665	SF
6,500.0	6,473.0	6,418.7	6,414.1	18.3	86.1	-89.52	43.0	-884.0	1,319.1	1,215.0	104.11	12.670	

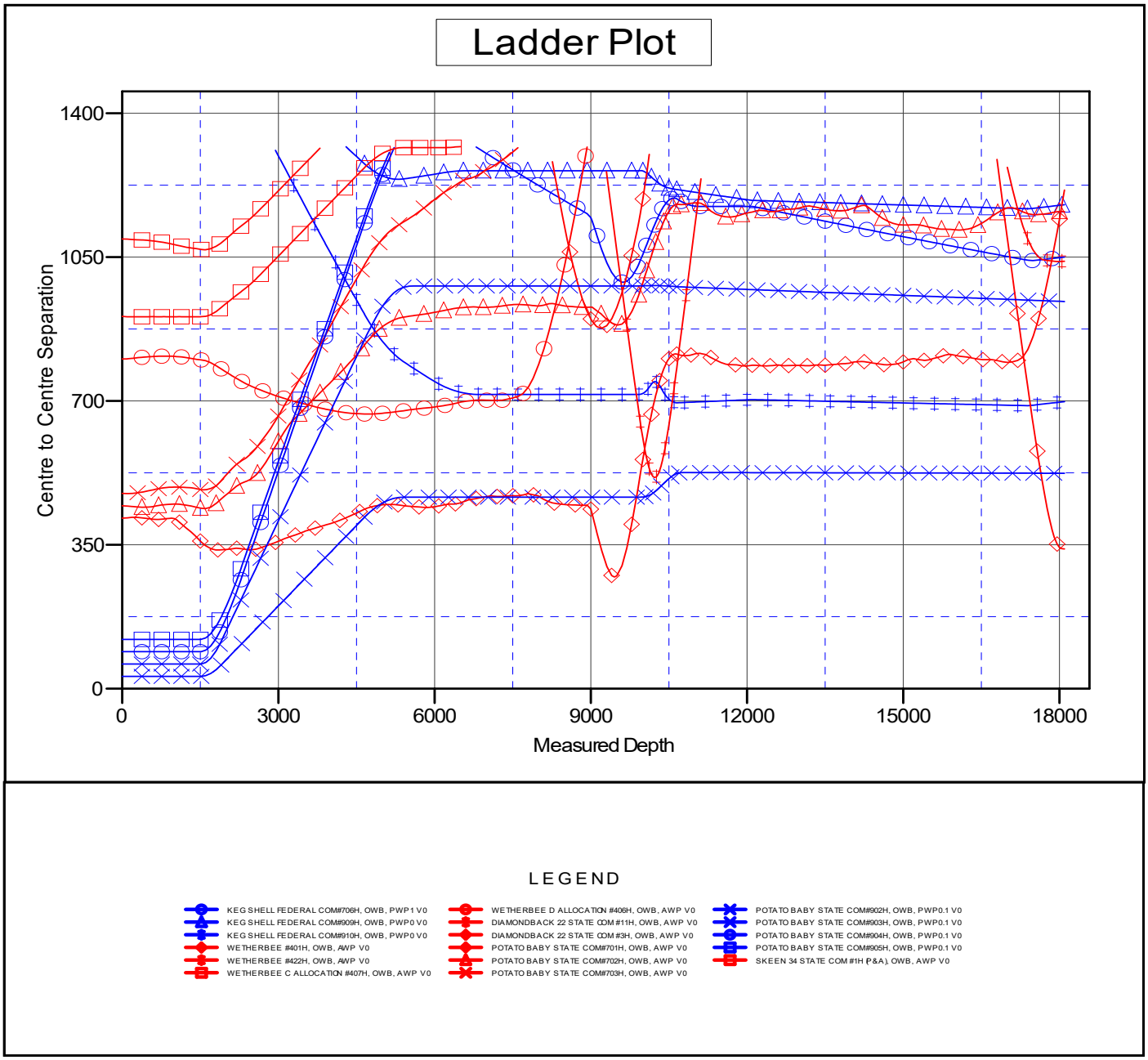
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB 25ft + GL 3065.4ft @ 3090.4usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #901H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.14°



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

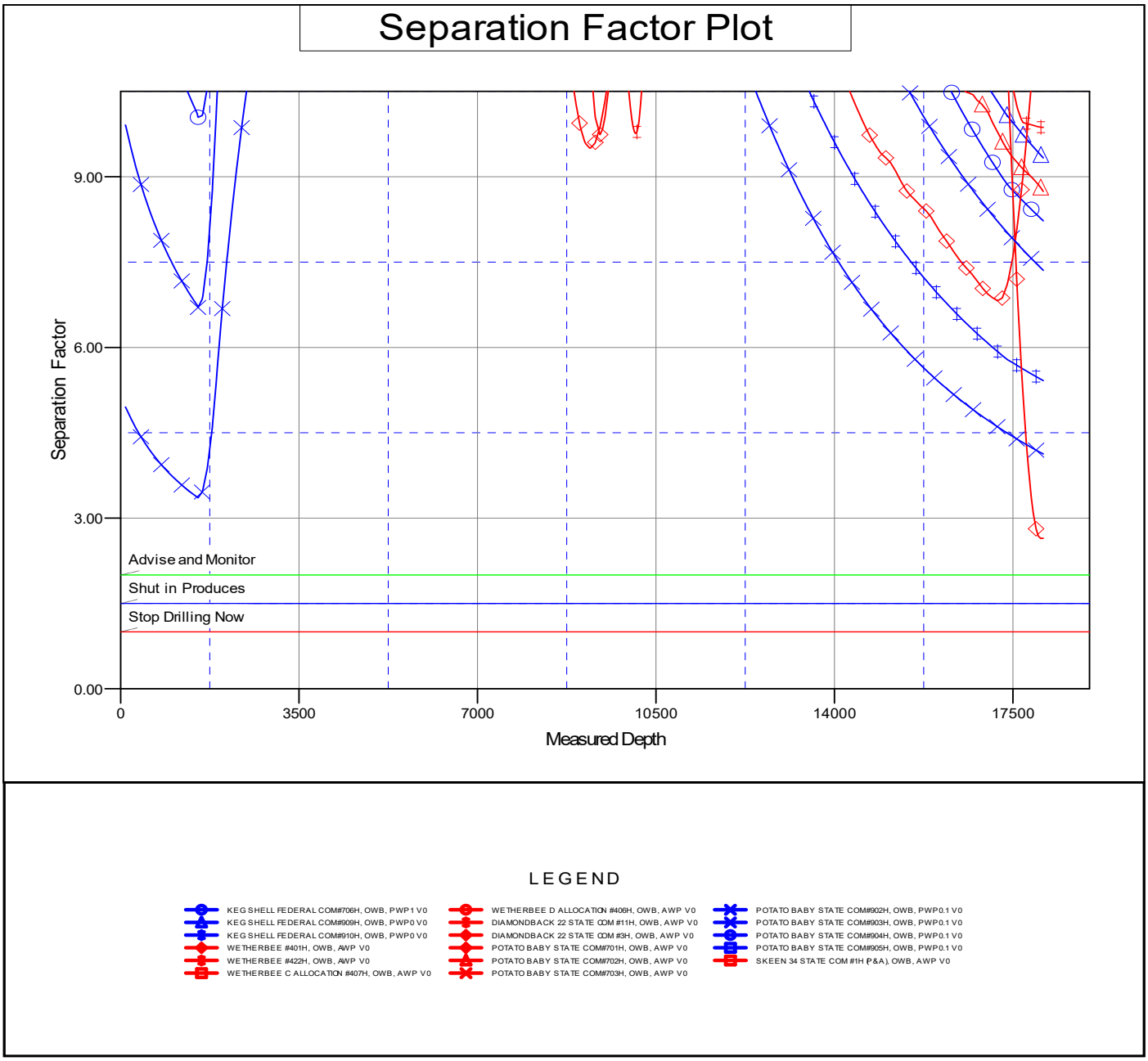
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Reference Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0.1	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to RKB 25ft + GL 3065.4ft @ 3090.4usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: POTATO BABY STATE COM #901H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.14°



DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
POTATO BABY STATE PROJECT (ATLAS 2628)
POTATO BABY STATE COM #901H

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 #901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #901H	**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 #901H				
Well Position	**+N/-S**	268.1 usft	**Northing:**	364,084.94 usft	**Latitude:**	32° 0' 2.546 N
	+E/-W	4,535.5 usft	**Easting:**	582,006.85 usft	**Longitude:**	104° 4' 7.640 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,065.4 usft

Wellbore	OWB				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	BGGM2022	6/1/2023	6.61	59.53	47,335.91100140

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	2.76	

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	9,921.5	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	9,921.5	18,096.7	PWP0.1 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

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Well:	POTATO BABY STATE COM #901H	**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	
1,875.0	7.50	85.80	1,873.9	1.8	24.4	2.00	2.00	0.00	85.80	
4,653.0	7.50	85.80	4,628.2	28.4	386.1	0.00	0.00	0.00	0.00	
5,403.0	0.00	0.00	5,376.0	31.9	434.9	1.00	-1.00	0.00	180.00	
9,921.5	0.00	0.00	9,894.5	31.9	434.9	0.00	0.00	0.00	0.00	
10,669.7	89.78	359.61	10,372.0	507.6	431.7	12.00	12.00	-0.05	359.61	
18,046.6	89.78	359.61	10,399.8	7,884.3	382.0	0.00	0.00	0.00	0.00	LTP (POTATO BABY
18,096.7	89.78	359.61	10,400.0	7,934.4	381.6	0.00	0.00	0.00	0.00	BHL (POTATO BABY

ConocoPhillips

Planning Report

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Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #901H	**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	85.80	1,600.0	0.1	1.7	0.2	2.00	2.00	0.00
1,700.0	4.00	85.80	1,699.8	0.5	7.0	0.8	2.00	2.00	0.00
1,800.0	6.00	85.80	1,799.5	1.1	15.7	1.9	2.00	2.00	0.00
1,875.0	7.50	85.80	1,873.9	1.8	24.4	3.0	2.00	2.00	0.00
Start 2778.0 hold at 1875.0 MD									
1,900.0	7.50	85.80	1,898.7	2.0	27.7	3.4	0.00	0.00	0.00
2,000.0	7.50	85.80	1,997.9	3.0	40.7	4.9	0.00	0.00	0.00
2,100.0	7.50	85.80	2,097.0	3.9	53.7	6.5	0.00	0.00	0.00
2,200.0	7.50	85.80	2,196.1	4.9	66.7	8.1	0.00	0.00	0.00
2,300.0	7.50	85.80	2,295.3	5.9	79.8	9.7	0.00	0.00	0.00
2,400.0	7.50	85.80	2,394.4	6.8	92.8	11.3	0.00	0.00	0.00
2,500.0	7.50	85.80	2,493.6	7.8	105.8	12.9	0.00	0.00	0.00
2,600.0	7.50	85.80	2,592.7	8.7	118.8	14.4	0.00	0.00	0.00
2,700.0	7.50	85.80	2,691.9	9.7	131.8	16.0	0.00	0.00	0.00
2,800.0	7.50	85.80	2,791.0	10.6	144.9	17.6	0.00	0.00	0.00
2,900.0	7.50	85.80	2,890.2	11.6	157.9	19.2	0.00	0.00	0.00
3,000.0	7.50	85.80	2,989.3	12.5	170.9	20.8	0.00	0.00	0.00
3,100.0	7.50	85.80	3,088.5	13.5	183.9	22.3	0.00	0.00	0.00
3,200.0	7.50	85.80	3,187.6	14.5	196.9	23.9	0.00	0.00	0.00
3,300.0	7.50	85.80	3,286.7	15.4	209.9	25.5	0.00	0.00	0.00
3,400.0	7.50	85.80	3,385.9	16.4	223.0	27.1	0.00	0.00	0.00
3,500.0	7.50	85.80	3,485.0	17.3	236.0	28.7	0.00	0.00	0.00
3,600.0	7.50	85.80	3,584.2	18.3	249.0	30.3	0.00	0.00	0.00
3,700.0	7.50	85.80	3,683.3	19.2	262.0	31.8	0.00	0.00	0.00
3,800.0	7.50	85.80	3,782.5	20.2	275.0	33.4	0.00	0.00	0.00
3,900.0	7.50	85.80	3,881.6	21.2	288.0	35.0	0.00	0.00	0.00
4,000.0	7.50	85.80	3,980.8	22.1	301.1	36.6	0.00	0.00	0.00
4,100.0	7.50	85.80	4,079.9	23.1	314.1	38.2	0.00	0.00	0.00
4,200.0	7.50	85.80	4,179.0	24.0	327.1	39.7	0.00	0.00	0.00
4,300.0	7.50	85.80	4,278.2	25.0	340.1	41.3	0.00	0.00	0.00
4,400.0	7.50	85.80	4,377.3	25.9	353.1	42.9	0.00	0.00	0.00
4,500.0	7.50	85.80	4,476.5	26.9	366.1	44.5	0.00	0.00	0.00
4,600.0	7.50	85.80	4,575.6	27.8	379.2	46.1	0.00	0.00	0.00
4,653.0	7.50	85.80	4,628.2	28.4	386.1	46.9	0.00	0.00	0.00
Start Drop -1.00									
4,700.0	7.03	85.80	4,674.8	28.8	392.0	47.6	1.00	-1.00	0.00

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Planning Report

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Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
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Well:	POTATO BABY STATE COM #901H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0.1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	6.03	85.80	4,774.1	29.6	403.3	49.0	1.00	-1.00	0.00
4,900.0	5.03	85.80	4,873.7	30.3	412.9	50.2	1.00	-1.00	0.00
5,000.0	4.03	85.80	4,973.4	30.9	420.8	51.1	1.00	-1.00	0.00
5,100.0	3.03	85.80	5,073.2	31.4	427.0	51.9	1.00	-1.00	0.00
5,200.0	2.03	85.80	5,173.1	31.7	431.4	52.4	1.00	-1.00	0.00
5,300.0	1.03	85.80	5,273.0	31.9	434.0	52.7	1.00	-1.00	0.00
5,403.0	0.00	0.00	5,376.0	31.9	434.9	52.9	1.00	-1.00	0.00
Start 4518.5 hold at 5403.0 MD									
5,500.0	0.00	0.00	5,473.0	31.9	434.9	52.9	0.00	0.00	0.00
5,600.0	0.00	0.00	5,573.0	31.9	434.9	52.9	0.00	0.00	0.00
5,700.0	0.00	0.00	5,673.0	31.9	434.9	52.9	0.00	0.00	0.00
5,800.0	0.00	0.00	5,773.0	31.9	434.9	52.9	0.00	0.00	0.00
5,900.0	0.00	0.00	5,873.0	31.9	434.9	52.9	0.00	0.00	0.00
6,000.0	0.00	0.00	5,973.0	31.9	434.9	52.9	0.00	0.00	0.00
6,100.0	0.00	0.00	6,073.0	31.9	434.9	52.9	0.00	0.00	0.00
6,200.0	0.00	0.00	6,173.0	31.9	434.9	52.9	0.00	0.00	0.00
6,300.0	0.00	0.00	6,273.0	31.9	434.9	52.9	0.00	0.00	0.00
6,400.0	0.00	0.00	6,373.0	31.9	434.9	52.9	0.00	0.00	0.00
6,500.0	0.00	0.00	6,473.0	31.9	434.9	52.9	0.00	0.00	0.00
6,600.0	0.00	0.00	6,573.0	31.9	434.9	52.9	0.00	0.00	0.00
6,700.0	0.00	0.00	6,673.0	31.9	434.9	52.9	0.00	0.00	0.00
6,800.0	0.00	0.00	6,773.0	31.9	434.9	52.9	0.00	0.00	0.00
6,900.0	0.00	0.00	6,873.0	31.9	434.9	52.9	0.00	0.00	0.00
7,000.0	0.00	0.00	6,973.0	31.9	434.9	52.9	0.00	0.00	0.00
7,100.0	0.00	0.00	7,073.0	31.9	434.9	52.9	0.00	0.00	0.00
7,200.0	0.00	0.00	7,173.0	31.9	434.9	52.9	0.00	0.00	0.00
7,300.0	0.00	0.00	7,273.0	31.9	434.9	52.9	0.00	0.00	0.00
7,400.0	0.00	0.00	7,373.0	31.9	434.9	52.9	0.00	0.00	0.00
7,500.0	0.00	0.00	7,473.0	31.9	434.9	52.9	0.00	0.00	0.00
7,600.0	0.00	0.00	7,573.0	31.9	434.9	52.9	0.00	0.00	0.00
7,700.0	0.00	0.00	7,673.0	31.9	434.9	52.9	0.00	0.00	0.00
7,800.0	0.00	0.00	7,773.0	31.9	434.9	52.9	0.00	0.00	0.00
7,900.0	0.00	0.00	7,873.0	31.9	434.9	52.9	0.00	0.00	0.00
8,000.0	0.00	0.00	7,973.0	31.9	434.9	52.9	0.00	0.00	0.00
8,100.0	0.00	0.00	8,073.0	31.9	434.9	52.9	0.00	0.00	0.00
8,200.0	0.00	0.00	8,173.0	31.9	434.9	52.9	0.00	0.00	0.00
8,300.0	0.00	0.00	8,273.0	31.9	434.9	52.9	0.00	0.00	0.00
8,400.0	0.00	0.00	8,373.0	31.9	434.9	52.9	0.00	0.00	0.00
8,500.0	0.00	0.00	8,473.0	31.9	434.9	52.9	0.00	0.00	0.00
8,600.0	0.00	0.00	8,573.0	31.9	434.9	52.9	0.00	0.00	0.00
8,700.0	0.00	0.00	8,673.0	31.9	434.9	52.9	0.00	0.00	0.00
8,800.0	0.00	0.00	8,773.0	31.9	434.9	52.9	0.00	0.00	0.00
8,900.0	0.00	0.00	8,873.0	31.9	434.9	52.9	0.00	0.00	0.00
9,000.0	0.00	0.00	8,973.0	31.9	434.9	52.9	0.00	0.00	0.00
9,100.0	0.00	0.00	9,073.0	31.9	434.9	52.9	0.00	0.00	0.00
9,200.0	0.00	0.00	9,173.0	31.9	434.9	52.9	0.00	0.00	0.00
9,300.0	0.00	0.00	9,273.0	31.9	434.9	52.9	0.00	0.00	0.00
9,400.0	0.00	0.00	9,373.0	31.9	434.9	52.9	0.00	0.00	0.00
9,500.0	0.00	0.00	9,473.0	31.9	434.9	52.9	0.00	0.00	0.00
9,600.0	0.00	0.00	9,573.0	31.9	434.9	52.9	0.00	0.00	0.00
9,700.0	0.00	0.00	9,673.0	31.9	434.9	52.9	0.00	0.00	0.00
9,800.0	0.00	0.00	9,773.0	31.9	434.9	52.9	0.00	0.00	0.00
9,900.0	0.00	0.00	9,873.0	31.9	434.9	52.9	0.00	0.00	0.00

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Planning Report

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Well:	POTATO BABY STATE COM #901H	**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)
9,921.5	0.00	0.00	9,894.5	31.9	434.9	52.9	0.00	0.00	0.00
Start DLS 12.00 TFO 359.61									
9,925.0	0.42	359.61	9,898.0	32.0	434.9	52.9	12.00	12.00	0.00
9,950.0	3.42	359.61	9,923.0	32.8	434.9	53.7	12.00	12.00	0.00
9,975.0	6.42	359.61	9,947.9	34.9	434.9	55.8	12.00	12.00	0.00
10,000.0	9.42	359.61	9,972.7	38.4	434.9	59.3	12.00	12.00	0.00
10,025.0	12.42	359.61	9,997.2	43.1	434.9	64.0	12.00	12.00	0.00
10,050.0	15.42	359.61	10,021.5	49.1	434.8	70.0	12.00	12.00	0.00
10,075.0	18.42	359.61	10,045.4	56.4	434.8	77.3	12.00	12.00	0.00
10,100.0	21.42	359.61	10,068.9	64.9	434.7	85.8	12.00	12.00	0.00
10,125.0	24.42	359.61	10,091.9	74.6	434.7	95.5	12.00	12.00	0.00
10,150.0	27.42	359.61	10,114.4	85.6	434.6	106.4	12.00	12.00	0.00
10,175.0	30.42	359.61	10,136.3	97.7	434.5	118.5	12.00	12.00	0.00
10,200.0	33.42	359.61	10,157.5	110.9	434.4	131.7	12.00	12.00	0.00
10,225.0	36.42	359.61	10,178.0	125.2	434.3	146.0	12.00	12.00	0.00
10,250.0	39.42	359.61	10,197.7	140.5	434.2	161.3	12.00	12.00	0.00
10,275.0	42.42	359.61	10,216.6	156.9	434.1	177.6	12.00	12.00	0.00
10,300.0	45.42	359.61	10,234.6	174.3	434.0	195.0	12.00	12.00	0.00
10,325.0	48.42	359.61	10,251.7	192.5	433.9	213.2	12.00	12.00	0.00
10,350.0	51.42	359.61	10,267.8	211.6	433.7	232.3	12.00	12.00	0.00
10,375.0	54.42	359.61	10,282.9	231.6	433.6	252.2	12.00	12.00	0.00
10,400.0	57.42	359.61	10,296.9	252.3	433.5	272.9	12.00	12.00	0.00
10,425.0	60.42	359.61	10,309.8	273.7	433.3	294.2	12.00	12.00	0.00
10,450.0	63.42	359.61	10,321.5	295.7	433.2	316.3	12.00	12.00	0.00
10,475.0	66.42	359.61	10,332.1	318.4	433.0	338.9	12.00	12.00	0.00
10,500.0	69.42	359.61	10,341.5	341.5	432.9	362.0	12.00	12.00	0.00
10,525.0	72.42	359.61	10,349.7	365.2	432.7	385.6	12.00	12.00	0.00
10,550.0	75.42	359.61	10,356.6	389.2	432.5	409.6	12.00	12.00	0.00
10,575.0	78.42	359.61	10,362.3	413.5	432.4	433.9	12.00	12.00	0.00
10,600.0	81.42	359.61	10,366.7	438.1	432.2	458.5	12.00	12.00	0.00
10,625.0	84.42	359.61	10,369.7	463.0	432.0	483.2	12.00	12.00	0.00
10,650.0	87.42	359.61	10,371.5	487.9	431.9	508.1	12.00	12.00	0.00
10,669.7	89.78	359.61	10,372.0	507.6	431.7	527.8	12.00	12.00	0.00
Start 7376.9 hold at 10669.7 MD									
10,700.0	89.78	359.61	10,372.1	537.9	431.5	558.0	0.00	0.00	0.00
10,800.0	89.78	359.61	10,372.5	637.9	430.9	657.9	0.00	0.00	0.00
10,900.0	89.78	359.61	10,372.9	737.9	430.2	757.7	0.00	0.00	0.00
11,000.0	89.78	359.61	10,373.2	837.9	429.5	857.6	0.00	0.00	0.00
11,100.0	89.78	359.61	10,373.6	937.9	428.8	957.4	0.00	0.00	0.00
11,200.0	89.78	359.61	10,374.0	1,037.9	428.2	1,057.3	0.00	0.00	0.00
11,300.0	89.78	359.61	10,374.4	1,137.9	427.5	1,157.1	0.00	0.00	0.00
11,400.0	89.78	359.61	10,374.8	1,237.9	426.8	1,257.0	0.00	0.00	0.00
11,500.0	89.78	359.61	10,375.1	1,337.9	426.1	1,356.8	0.00	0.00	0.00
11,600.0	89.78	359.61	10,375.5	1,437.9	425.5	1,456.7	0.00	0.00	0.00
11,700.0	89.78	359.61	10,375.9	1,537.8	424.8	1,556.5	0.00	0.00	0.00
11,800.0	89.78	359.61	10,376.3	1,637.8	424.1	1,656.4	0.00	0.00	0.00
11,900.0	89.78	359.61	10,376.6	1,737.8	423.4	1,756.2	0.00	0.00	0.00
12,000.0	89.78	359.61	10,377.0	1,837.8	422.8	1,856.1	0.00	0.00	0.00
12,100.0	89.78	359.61	10,377.4	1,937.8	422.1	1,955.9	0.00	0.00	0.00
12,200.0	89.78	359.61	10,377.8	2,037.8	421.4	2,055.8	0.00	0.00	0.00
12,300.0	89.78	359.61	10,378.1	2,137.8	420.7	2,155.6	0.00	0.00	0.00
12,400.0	89.78	359.61	10,378.5	2,237.8	420.1	2,255.5	0.00	0.00	0.00
12,500.0	89.78	359.61	10,378.9	2,337.8	419.4	2,355.3	0.00	0.00	0.00

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Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #901H	**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)
12,600.0	89.78	359.61	10,379.3	2,437.8	418.7	2,455.2	0.00	0.00	0.00
12,700.0	89.78	359.61	10,379.7	2,537.8	418.0	2,555.0	0.00	0.00	0.00
12,800.0	89.78	359.61	10,380.0	2,637.8	417.4	2,654.9	0.00	0.00	0.00
12,900.0	89.78	359.61	10,380.4	2,737.8	416.7	2,754.7	0.00	0.00	0.00
13,000.0	89.78	359.61	10,380.8	2,837.8	416.0	2,854.6	0.00	0.00	0.00
13,100.0	89.78	359.61	10,381.2	2,937.8	415.3	2,954.4	0.00	0.00	0.00
13,200.0	89.78	359.61	10,381.5	3,037.8	414.7	3,054.3	0.00	0.00	0.00
13,300.0	89.78	359.61	10,381.9	3,137.8	414.0	3,154.1	0.00	0.00	0.00
13,400.0	89.78	359.61	10,382.3	3,237.8	413.3	3,254.0	0.00	0.00	0.00
13,500.0	89.78	359.61	10,382.7	3,337.8	412.6	3,353.8	0.00	0.00	0.00
13,600.0	89.78	359.61	10,383.0	3,437.8	412.0	3,453.6	0.00	0.00	0.00
13,700.0	89.78	359.61	10,383.4	3,537.8	411.3	3,553.5	0.00	0.00	0.00
13,800.0	89.78	359.61	10,383.8	3,637.8	410.6	3,653.3	0.00	0.00	0.00
13,900.0	89.78	359.61	10,384.2	3,737.8	409.9	3,753.2	0.00	0.00	0.00
14,000.0	89.78	359.61	10,384.6	3,837.8	409.3	3,853.0	0.00	0.00	0.00
14,100.0	89.78	359.61	10,384.9	3,937.8	408.6	3,952.9	0.00	0.00	0.00
14,200.0	89.78	359.61	10,385.3	4,037.8	407.9	4,052.7	0.00	0.00	0.00
14,300.0	89.78	359.61	10,385.7	4,137.8	407.2	4,152.6	0.00	0.00	0.00
14,400.0	89.78	359.61	10,386.1	4,237.8	406.6	4,252.4	0.00	0.00	0.00
14,500.0	89.78	359.61	10,386.4	4,337.8	405.9	4,352.3	0.00	0.00	0.00
14,600.0	89.78	359.61	10,386.8	4,437.8	405.2	4,452.1	0.00	0.00	0.00
14,700.0	89.78	359.61	10,387.2	4,537.8	404.6	4,552.0	0.00	0.00	0.00
14,800.0	89.78	359.61	10,387.6	4,637.8	403.9	4,651.8	0.00	0.00	0.00
14,900.0	89.78	359.61	10,387.9	4,737.8	403.2	4,751.7	0.00	0.00	0.00
15,000.0	89.78	359.61	10,388.3	4,837.8	402.5	4,851.5	0.00	0.00	0.00
15,100.0	89.78	359.61	10,388.7	4,937.7	401.9	4,951.4	0.00	0.00	0.00
15,200.0	89.78	359.61	10,389.1	5,037.7	401.2	5,051.2	0.00	0.00	0.00
15,300.0	89.78	359.61	10,389.5	5,137.7	400.5	5,151.1	0.00	0.00	0.00
15,400.0	89.78	359.61	10,389.8	5,237.7	399.8	5,250.9	0.00	0.00	0.00
15,500.0	89.78	359.61	10,390.2	5,337.7	399.2	5,350.8	0.00	0.00	0.00
15,600.0	89.78	359.61	10,390.6	5,437.7	398.5	5,450.6	0.00	0.00	0.00
15,700.0	89.78	359.61	10,391.0	5,537.7	397.8	5,550.5	0.00	0.00	0.00
15,800.0	89.78	359.61	10,391.3	5,637.7	397.1	5,650.3	0.00	0.00	0.00
15,900.0	89.78	359.61	10,391.7	5,737.7	396.5	5,750.2	0.00	0.00	0.00
16,000.0	89.78	359.61	10,392.1	5,837.7	395.8	5,850.0	0.00	0.00	0.00
16,100.0	89.78	359.61	10,392.5	5,937.7	395.1	5,949.9	0.00	0.00	0.00
16,200.0	89.78	359.61	10,392.8	6,037.7	394.4	6,049.7	0.00	0.00	0.00
16,300.0	89.78	359.61	10,393.2	6,137.7	393.8	6,149.6	0.00	0.00	0.00
16,400.0	89.78	359.61	10,393.6	6,237.7	393.1	6,249.4	0.00	0.00	0.00
16,500.0	89.78	359.61	10,394.0	6,337.7	392.4	6,349.3	0.00	0.00	0.00
16,600.0	89.78	359.61	10,394.4	6,437.7	391.7	6,449.1	0.00	0.00	0.00
16,700.0	89.78	359.61	10,394.7	6,537.7	391.1	6,548.9	0.00	0.00	0.00
16,800.0	89.78	359.61	10,395.1	6,637.7	390.4	6,648.8	0.00	0.00	0.00
16,900.0	89.78	359.61	10,395.5	6,737.7	389.7	6,748.6	0.00	0.00	0.00
17,000.0	89.78	359.61	10,395.9	6,837.7	389.0	6,848.5	0.00	0.00	0.00
17,100.0	89.78	359.61	10,396.2	6,937.7	388.4	6,948.3	0.00	0.00	0.00
17,200.0	89.78	359.61	10,396.6	7,037.7	387.7	7,048.2	0.00	0.00	0.00
17,300.0	89.78	359.61	10,397.0	7,137.7	387.0	7,148.0	0.00	0.00	0.00
17,400.0	89.78	359.61	10,397.4	7,237.7	386.3	7,247.9	0.00	0.00	0.00
17,500.0	89.78	359.61	10,397.8	7,337.7	385.7	7,347.7	0.00	0.00	0.00
17,600.0	89.78	359.61	10,398.1	7,437.7	385.0	7,447.6	0.00	0.00	0.00
17,700.0	89.78	359.61	10,398.5	7,537.7	384.3	7,547.4	0.00	0.00	0.00
17,800.0	89.78	359.61	10,398.9	7,637.7	383.6	7,647.3	0.00	0.00	0.00

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Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well POTATO BABY STATE COM #901H
Company:	DELAWARE BASIN WEST	**TVD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Project:	ATLAS PROSPECT (NM-E)	**MD Reference:**	RKB 25ft + GL 3065.4ft @ 3090.4usft
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)	**North Reference:**	Grid
Well:	POTATO BABY STATE COM #901H	**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)
17,900.0	89.78	359.61	10,399.3	7,737.7	383.0	7,747.1	0.00	0.00	0.00
18,000.0	89.78	359.61	10,399.6	7,837.7	382.3	7,847.0	0.00	0.00	0.00
18,046.6	89.78	359.61	10,399.8	7,884.3	382.0	7,893.5	0.00	0.00	0.00
Start 50.1 hold at 18046.6 MD									
18,096.7	89.78	359.61	10,400.0	7,934.4	381.6	7,943.5	0.00	0.00	0.00
TD at 18096.7									

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	10,372.0	31.9	434.9	364,116.88	582,441.79	32° 0' 2.851 N	104° 4' 2.588 W
- plan misses target center by 197.8usft at 10300.0usft MD (10234.6 TVD, 174.3 N, 434.0 E)									
- Circle (radius 50.0)									
LTP (POTATO BABY ST	0.00	0.00	10,399.8	7,884.3	382.0	371,969.23	582,388.83	32° 1' 20.564 N	104° 4' 2.979 W
- plan hits target center									
- Point									
BHL (POTATO BABY ST	0.22	359.61	10,400.0	7,934.3	382.7	372,019.25	582,389.52	32° 1' 21.059 N	104° 4' 2.970 W
- plan misses target center by 1.0usft at 18096.6usft MD (10400.0 TVD, 7934.3 N, 381.6 E)									
- Rectangle (sides W100.0 H7,903.1 D20.0)									

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
1,875.0	1,873.9	1.8	24.4	Start 2778.0 hold at 1875.0 MD
4,653.0	4,628.2	28.4	386.1	Start Drop -1.00
5,403.0	5,376.0	31.9	434.9	Start 4518.5 hold at 5403.0 MD
9,921.5	9,894.5	31.9	434.9	Start DLS 12.00 TFO 359.61
10,669.7	10,372.0	507.6	431.7	Start 7376.9 hold at 10669.7 MD
18,046.6	10,399.8	7,884.3	382.0	Start 50.1 hold at 18046.6 MD
18,096.7	10,400.0	7,934.4	381.6	TD at 18096.7

Received by OCD: 9/9/2022 8:55:56 AM

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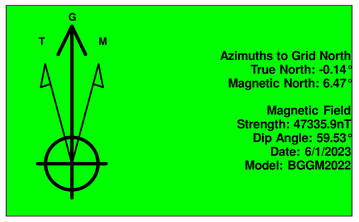
Project:	ATLAS PROSPECT (NM-E)
Site:	POTATO BABY STATE PROJECT (ATLAS 2628)
Well:	POTATO BABY STATE COM #901H
Wellbore:	OWB
Design:	PWP0.1
GL:	3065.4

RKB 25ft + GL 3065.4ft @ 3090.4usft

WELL DETAILS: POTATO BABY STATE COM #901H

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	364084.94	582006.85	32° 0' 2.546 N	104° 4' 7.640 W

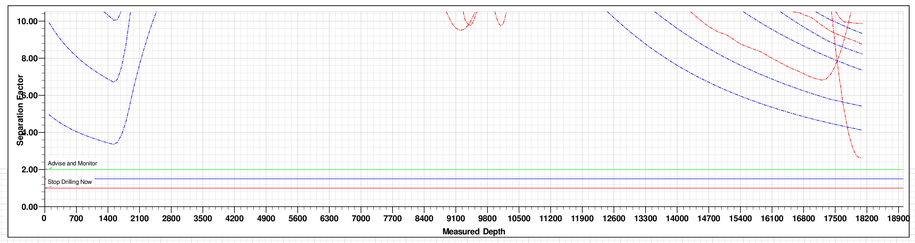


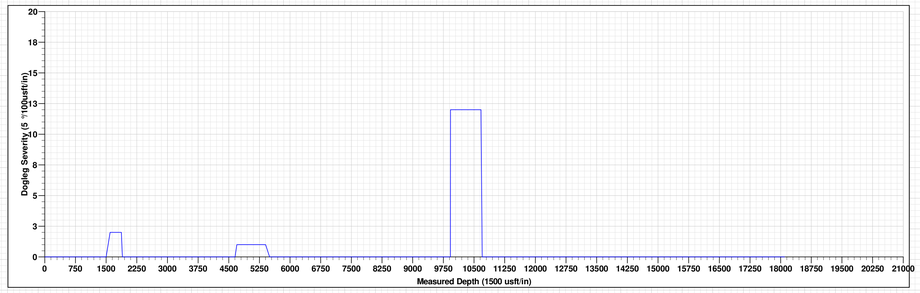
Azimuths to Grid North
True North: -0.14°
Magnetic North: 6.47°

Magnetic Field
Strength: 47335.9nT
Dip Angle: 59.53°
Date: 6/1/2023
Model: BGGM2022

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
FTP (POTATO BABY STATE COM #901H)	10372.0	31.9	434.9	364116.88	582441.79	Circle (Radius: 50.0)
LTP (POTATO BABY STATE COM #901H)	10399.8	7884.3	382.0	371969.23	582388.83	Point
BHL (POTATO BABY STATE COM #901H)	10400.0	7934.3	382.7	372019.25	582389.52	Rectangle (Sides: L7903.1 W100.0)





PWP0.1

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.0	Start Build 2.00
1875.0	7.50	85.80	1873.9	1.8	24.4	3.0	24.5	Start 2778.0 hold at 1875.0 MD
4653.0	7.50	85.80	4628.2	28.4	386.1	46.9	387.1	Start Drop -1.00
5403.0	0.00	0.00	5376.0	31.9	434.9	52.9	436.1	Start 4518.5 hold at 5403.0 MD
9921.5	0.00	0.00	9894.5	31.9	434.9	52.9	436.1	Start DLS 12.00 TFO 359.61
10669.7	89.78	359.61	10372.0	507.6	431.7	527.8	911.8	Start 7376.9 hold at 10669.7 MD
18046.6	89.78	359.61	10399.8	7884.3	382.0	7893.5	8288.6	Start 50.1 hold at 18046.6 MD
18096.7	89.78	359.61	10400.0	7934.4	381.6	7943.5	8338.7	TD at 18096.7