

Well Name: ZIA HILLS UNIT 2032 WC	Well Location: T26S / R32E / SEC 20 / NWSW / 32.0281104 / -103.7032619	County or Parish/State: LEA / NM
Well Number: 751H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC068281B	Unit or CA Name: BONE SPRING FORMATION PA "A"	Unit or CA Number: NMNM138329B
US Well Number: 3002553236	Operator: CONOCOPHILLIPS COMPANY	

Notice of Intent

Sundry ID: 2816756

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/14/2024	Time Sundry Submitted: 09:23
Date proposed operation will begin: 10/14/2024	

Procedure Description: ConocoPhillips Company requests a change to our approved APD for this well to reflect a change from a 3-string casing design to a 4-string casing design. Change surface casing FROM: Surface: 14.75 inch hole, 10.75 inch, 45.5#, J55, BTC, 0-1350 ft. Inter: 9.875 inch hole, 7.625 inch, 29.7#, L80, TXP BTC, 0-8500 ft. 8.75 inch hole, 7.625 inch, 29.7#, P-110, W513, 8500-11132 ft. Prod: 6.75 inch hole, 5.5 inch, 23#, P-110, TXP BTC, 0-10632 ft. 6.75 inch hole, 5.5 inch, 23#, P-110, W441, 10632-21026 ft. Change Casing TO: Surface: 17.5 inch hole, 13.375 inch, 54.5#, J-55 BTC, 0-1410 ft. Intermediate: 12.25 inch hole, 9.625 inch, 40#, L-80, BTC, 0-4140 ft. 8.75 inch hole, 7.625 inch, 29.7 P-110, W513, 3940 – 11250 ft. Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11050 ft. 6.75 inch hole, 5.5 inch, 23#, W441, 11050 – 21026 ft. Also, ConocoPhillips requests a variance to allow for break testing as attached. Detailed contingency casing plan and procedure attached.

NOI Attachments

Procedure Description

- ZIA_HILLS_UNIT_2032_WC_751H_PWP0_AC_RPT_20241014092256.pdf
- COP_BOP_Break_Testing_Documentation_6_07_23_20241014092256.pdf
- ZIA_HILLS_UNIT_2032_WC_751H_revised_drilling_procedure_10_14_24_20241014092256.pdf
- ZIA_HILLS_UNIT_2032_WC_751H_PWP0_DIR_RPT_20241014092256.pdf
- ZIA_HILLS_UNIT_2032_WC_751H_PWP0_WPLOT_20241014092256.pdf

Received by OCD: 10/23/2024 7:51:07 AM

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Conditions of Approval

Additional

SEC20_T26S_R32E_ZIA_HILLS_UNIT_2032_WC__Lea__CONOCOPHILLIPS_COMPANY_45587_JS_20241022094045.pdf

ZIA_HILLS_UNIT_2032_WC_751H_COAs_20241022094045.pdf

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: STAN WAGNER

Signed on: OCT 14, 2024 09:23 AM

Name: CONOCOPHILLIPS COMPANY

Title: Regulatory Advisor

Street Address: 600 WEST ILLINOIS AVE

City: MIDLANDState: TX

Phone: (432) 253-9685

Email address: STAN.S.WAGNER@CONOCOPHILLIPS.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5752342234

BLM POC Email Address: cwalls@blm.gov

Disposition: Approved

Disposition Date: 10/22/2024

Signature: Chris Walls

Form 3160-5 (June 2019)	UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	FORM APPROVED OMB No. 1004-0137 Expires: October 31, 2021
SUNDRY NOTICES AND REPORTS ON WELLS <i>Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.</i>		5. Lease Serial No.
		6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2		7. If Unit of CA/Agreement, Name and/or No.
1. Type of Well ☐ Oil Well ☐ Gas Well ☐ Other		8. Well Name and No.
2. Name of Operator		9. API Well No.
3a. Address	3b. Phone No. (include area code)	10. Field and Pool or Exploratory Area
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA				
TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)		
	Title	
Signature	Date	

THE SPACE FOR FEDERAL OR STATE OFFICE USE		
Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT: Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

Additional Information

Additional Remarks

8.75 inch hole, 7.625 inch, 29.7 P-110, W513, 3940 11250 ft.
Production: 6.75 inch hole, 5.5 inch, 23#, P-110, BTC 0-11050 ft.
6.75 inch hole, 5.5 inch, 23#, W441, 11050 21026 ft.
Also, ConocoPhillips requests a variance to allow for break testing as attached.
Detailed contingency casing plan and procedure attached.

Location of Well

0. SHL: NWSW / 2649 FSL / 775 FWL / TWSP: 26S / RANGE: 32E / SECTION: 20 / LAT: 32.0281104 / LONG: -103.7032619 (TVD: 0 feet, MD: 0 feet)
PPP: NESE / 2620 FSL / 10 FEL / TWSP: 26S / RANGE: 32E / SECTION: 19 / LAT: 32.0280257 / LONG: -103.7057954 (TVD: 11441 feet, MD: 11566 feet)
PPP: NENE / 1 FNL / 10 FEL / TWSP: 26S / RANGE: 32E / SECTION: 30 / LAT: 32.020824 / LONG: -103.7058 (TVD: 11736 feet, MD: 14187 feet)
BHL: LOT 5 / 50 FSL / 10 FEL / TWSP: 26S / RANGE: 31E / SECTION: 31 / LAT: 32.0003526 / LONG: -103.7057716 (TVD: 11736 feet, MD: 21026 feet)

SEC20-T26S-R32E_ZIA HILLS UNIT 2032 WC _Lea__CONOCOPHILLIPS COMPANY_45587_JS

ZIA HILLS UNIT 2032 WC

13 3/8		surface csg in a		17 1/2	inch hole.		Design Factors			Surface			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	54.50			J 55	BTC	11.10	1.75	0.46	1,410	4	0.80	3.38	76,845
					BTC				0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,296					Tail Cmt	does not	circ to sfc.	Totals:	1,410				76,845
Comparison of Proposed to Minimum Required Cement Volumes													
Hole	Annular	1 Stage		1 Stage	Min	1 Stage	Drilling	Calc	Req'd				Min Dist
Size	Volume	Cmt Sx		CuFt Cmt	Cu Ft	% Excess	Mud Wt	MASP	BOPE				Hole-Cplg
17 1/2	0.6946	1090		1805	979	84	8.80	3429	5M				1.56
Burst Frac Gradient(s) for Segment(s) A, B = , b All > 0.70, OK.													
Alt burst ok													

9 5/8		casing inside the		13 3/8		Design Factors				Int 1			
Segment	#/ft	Grade			Coupling	Body	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	40.00			L 80	BTC	5.53	1.44	0.97	4,140	1	1.68	2.49	165,600
"B"									0				0
w/8.4#/g mud, 30min Sfc Csg Test psig: 1,500									Totals:	4,140			165,600
The cement volume(s) are intended to achieve a top of									0	ft from surface or a		1410	overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx		1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE		Min Dist Hole-Cplg		
12 1/4	0.3132	1000		1594	1366	17	10.00	3429	5M		0.81		
D V Tool(s):									sum of sx	Σ CuFt		Σ%excess	
t by stage % :									#VALUE!	#VALUE!		1000 1594 17	
Class 'H' tail cmt yld > 1.20													
Burst Frac Gradient(s) for Segment(s): A, B, C, D = 1.39, b, c, d All > 0.70, OK.													
Alt Burst ok, Does not meet CFO 25% excess													

7 5/8		Liner w/top @		3940		Design Factors				Liner			
Segment	#/ft	Grade		Coupling	Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight	
"A"	29.70	P 110		W-513	2.53	0.9	1.13	7,510	2	1.65	1.56	223,047	
"B"				0.00				0				0	
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,519								Totals:	7,510				223,047
The cement volume(s) are intended to achieve a top of						3940	ft from surface or a		200				overlap.
Hole Size	Annular Volume	1 Stage Cmt Sx	1 Stage CuFt Cmt	Min Cu Ft	1 Stage % Excess	Drilling Mud Wt	Calc MASP	Req'd BOPE					Min Dist Hole-Cplg
8 3/4	0.1005	290	782	756	3	10.00	5747	10M					0.56
Class 'C' tail cmt yld > 1.35													MASP is within 10% of 5000psig, need exrta equip?
Keep Casing Full, Does not meet CFO 25% excess													

Tail cmt													
5 1/2		casing inside the		7 5/8		Design Factors				Prod 1			
Segment	#/ft	Grade		Coupling		Joint	Collapse	Burst	Length	B@s	a-B	a-C	Weight
"A"	23.00	P 110		BTC		2.64	1.84	1.48	11,250	1	2.15	2.69	258,750
"B"	23.00	P 110		W-441		6.53	1.59	1.74	10,644	2	2.53	2.53	244,812
w/8.4#/g mud, 30min Sfc Csg Test psig: 2,475									Totals:	21,894	503,562		
The cement volume(s) are intended to achieve a top of						11250	ft from surface or a		200	overlap.			
Hole	Annular	1 Stage		1 Stage		Min	1 Stage	Drilling	Calc			Min Dist	
Size	Volume	Cmt Sx		CuFt Cmt		Cu Ft	% Excess	Mud Wt	MASP			Hole-Cplg	
6 3/4	0.0835	1580		2226		891	150	13.50				0.43	
Class 'H' tail cmt yld > 1.20				Capitan Reef est top XXXX.				MASP is within 10% of 5000psig, need exrta equip?					

PECOS DISTRICT DRILLING CONDITIONS OF APPROVAL

OPERATOR'S NAME:	CONOCOPHILLIPS COMPANY
WELL NAME & NO.:	ZIA HILLS UNIT 2032 WC 751H
SURFACE HOLE FOOTAGE:	2649'S & 775'W
BOTTOM HOLE FOOTAGE:	50'S & 10'E
LOCATION:	Section 20 T.26 S., R.32 E., NMP
COUNTY:	Lea County, New Mexico

COA

H2S	☒ Yes	☐ No	
Potash	☒ None	☐ Secretary	☐ R-111-P
Cave/Karst Potential	☐ Low	☒ Medium	☐ High
Cave/Karst Potential	☐ Critical		
Variance	☐ None	☒ Flex Hose	☐ Other
Wellhead	☐ Conventional	☒ Multibowl	☐ Both
Wellhead Variance	☐ Diverter		
Other	☐ 4 String	☐ Capitan Reef	☐ WIPP
Other	☒ Fluid Filled	☐ Pilot Hole	☐ Open Annulus
Cementing	☐ Contingency Cement Squeeze	☐ EchoMeter	☐ Primary Cement Squeeze
Special Requirements	☐ Water Disposal	☐ COM	☒ Unit
Special Requirements	☐ Batch Sundry		
Special Requirements Variance	☒ Break Testing	☐ Offline Cementing	☒ Casing Clearance

A. HYDROGEN SULFIDE

A Hydrogen Sulfide (H2S) Drilling Plan shall be activated AT SPUD. As a result, the Hydrogen Sulfide area must meet 43 CFR part 3170 requirements, which includes equipment and personnel/public protection items. If Hydrogen Sulfide is encountered, please provide measured values and formations to the BLM.

B. CASING

Primary Casing Design:

1. The 13-3/8 inch surface casing shall be set at approximately **1410 feet** (a minimum of 25 feet (Lea County) into the Rustler Anhydrite, above the salt, and below usable fresh water) and cemented to the surface.

- a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with surface log readout will be used or a cement bond log shall be run to verify the top of the cement. Temperature survey will be run a minimum of six hours after pumping cement and ideally between 8-10 hours after completing the cement job.
 - b. Wait on cement (WOC) time for a primary cement job will be a minimum of **8 hours** or 500 pounds compressive strength, whichever is greater. (This is to include the lead cement)
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
2. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **9-5/8** inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
 - ❖ In Medium Cave/Karst Areas if cement does not circulate to surface on the first two casing strings, the cement on the 3rd casing string must come to surface.
3. **Keep casing full during run for collapse safety factor.** The minimum required fill of cement behind the **7-5/8** inch intermediate liner is:
 - Cement should tie-back **100 feet** into the previous casing. Operator shall provide method of verification.
Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.
Cement excess is less than 25%, more cement is required if washout occurs. Adjust cement volume and excess based on a fluid caliper or similar method that reflects the as-drilled size of the wellbore.
4. The minimum required fill of cement behind the **5-1/2** inch production casing is:
 - Cement should tie-back at least **200 feet** into previous casing string. Operator shall provide method of verification.
 - **Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst or potash.**

C. PRESSURE CONTROL

1. Variance approved to use flex line from BOP to choke manifold. Manufacturer's specification to be readily available. No external damage to flex line. Flex line to be installed as straight as possible (no hard bends).'
2. Operator has proposed a multi-bowl wellhead assembly. This assembly will only be tested when installed on the **13-3/8** inch surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be **10,000 (10M) psi. Variance is approved to use a 5000 (5M) Annular which shall be tested to 3500 (70% Working Pressure) psi.**
 - a. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - b. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - c. Manufacturer representative shall install the test plug for the initial BOP test.
 - d. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
 - e. Whenever any seal subject to test pressure is broken, all the tests in OOGO2.III.A.2.i must be followed.

D. SPECIAL REQUIREMENT (S)

Unit Wells

The well sign for a unit well shall include the unit number in addition to the surface and bottom hole lease numbers. This also applies to participating area numbers. If a participating area has not been established, the operator can use the general unit designation, but will replace the unit number with the participating area number when the sign is replaced.

Commercial Well Determination

A commercial well determination shall be submitted after production has been established for at least six months. (This is not necessary for secondary recovery unit wells)

(Note: For a minimum 5M BOPE or less (Utilizing a 10M BOPE system))

BOPE Break Testing Variance

- BOPE Break Testing is ONLY permitted for 5M BOPE or less. **(Annular preventer must be tested to a minimum of 70% of BOPE working pressure and shall be higher than the MASP)**
- BOPE Break Testing is NOT permitted to drilling the production hole section.
- Variance only pertains to the intermediate hole-sections and no deeper than the Bone Springs formation.

- While in transfer between wells, the BOPE shall be secured by the hydraulic carrier or cradle.
- Any well control event while drilling require notification to the BLM Petroleum Engineer (575-706-2779) prior to the commencement of any BOPE Break Testing operations.
- A full BOPE test is required prior to drilling the first deep intermediate hole section. If any subsequent hole interval is deeper than the first, a full BOPE test will be required. (200' TVD tolerance between intermediate shoes is allowable).
- The BLM is to be contacted (575-361-2822 Eddy County) 4 hours prior to BOPE tests.
- As a minimum, a full BOPE test shall be performed at 21-day intervals.
- In the event any repairs or replacement of the BOPE is required, the BOPE shall test as per Onshore Oil and Gas Order No. 2.
- If in the event break testing is not utilized, then a full BOPE test would be conducted.

Casing Clearance:

- The W441 connection should tie back 500'+ into the W513 intermediate casing for clearance overlap.

Operator shall clean up cycles until wellbore is clear of cuttings and any large debris, ensure cutting sizes are adequate "coffee ground or less" before cementing.

GENERAL REQUIREMENTS

The BLM is to be notified in advance for a representative to witness:

- a. Spudding well (minimum of 24 hours)
- b. Setting and/or Cementing of all casing strings (minimum of 4 hours)
- c. BOPE tests (minimum of 4 hours)

☒ Eddy County

EMAIL or call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220,

BLM_NM_CFO_DrillingNotifications@BLM.GOV

(575) 361-2822

☒ Lea County

Call the Hobbs Field Station, 414 West Taylor, Hobbs NM 88240,

(575) 689-5981

1. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.

- a. In the event the operator has proposed to drill multiple wells utilizing a skid/walking rig. Operator shall secure the wellbore on the current well, after installing and testing the wellhead, by installing a blind flange of like pressure rating to the wellhead and a pressure gauge that can be monitored while drilling is performed on the other well(s).
- b. When the operator proposes to set surface casing with Spudder Rig
 - i. Notify the BLM when moving in and removing the Spudder Rig.
 - ii. Notify the BLM when moving in the 2nd Rig. Rig to be moved in within 90 days of notification that Spudder Rig has left the location.
 - iii. BOP/BOPE test to be conducted per **43 CFR 3172** as soon as 2nd Rig is rigged up on well.
2. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.
3. For intervals in which cement to surface is required, cement to surface should be verified with a visual check and density or pH check to differentiate cement from spacer and drilling mud. The results should be documented in the driller's log and daily reports.

A. CASING

1. Changes to the approved APD casing program need prior approval if the items substituted are of lesser grade or different casing size or are Non-API. The Operator can exchange the components of the proposal with that of superior strength (i.e. changing from J-55 to N-80, or from 36# to 40#). Changes to the approved cement program need prior approval if the altered cement plan has less volume or strength or if the changes are substantial (i.e. Multistage tool, ECP, etc.). The initial wellhead installed on the well will remain on the well with spools used as needed.
2. Wait on cement (WOC) for Potash Areas: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi for all cement blends of both lead and tail cement, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. The casing

integrity test can be done (prior to the cement setting up) immediately after bumping the plug.

3. Wait on cement (WOC) for Water Basin: After cementing but before commencing any tests, the casing string shall stand cemented under pressure until both of the following conditions have been met: 1) cement reaches a minimum compressive strength of 500 psi at the shoe, 2) until cement has been in place at least 8 hours. WOC time will be recorded in the driller's log. See individual casing strings for details regarding lead cement slurry requirements. The casing integrity test can be done (prior to the cement setting up) immediately after bumping the plug.
4. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. Have well specific cement details onsite prior to pumping the cement for each casing string.
5. No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.
6. 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. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.
7. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.
8. Whenever a casing string is cemented in the R-111-Q potash area, the NMOCD requirements shall be followed.

B. PRESSURE CONTROL

1. All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in **43 CFR 3172**.
2. If a variance is approved for a flexible hose to be installed from the BOP to the choke manifold, the following requirements apply: The flex line must meet the requirements of API 16C. Check condition of flexible line from BOP to choke manifold, replace if exterior is damaged or if line fails test. Line to be as straight as possible with no hard bends and is to be anchored according to Manufacturer's requirements. The flexible hose can be exchanged with a hose of equal size and equal or greater pressure rating. Anchor requirements, specification sheet and hydrostatic pressure

test certification matching the hose in service, to be onsite for review.

These documents shall be posted in the company man's trailer and on the rig floor.

3. 5M or higher system requires an HCR valve, remote kill line and annular to match. The remote kill line is to be installed prior to testing the system and tested to stack pressure.
4. If the operator has proposed a multi-bowl wellhead assembly in the APD. The following requirements must be met:
 - i. Wellhead shall be installed by manufacturer's representatives, submit documentation with subsequent sundry.
 - ii. If the welding is performed by a third party, the manufacturer's representative shall monitor the temperature to verify that it does not exceed the maximum temperature of the seal.
 - iii. Manufacturer representative shall install the test plug for the initial BOP test.
 - iv. Whenever any seal subject to test pressure is broken, all the tests in 43 CFR 3172.6(b)(9) must be followed.
 - v. If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head shall be cut off, cementing operations performed and another wellhead installed.
5. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - i. In a water basin, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. The casing cut-off and BOP installation can be initiated four hours after installing the slips, which will be approximately six hours after bumping the plug. For those casing strings not using slips, the minimum wait time before cut-off is eight hours after bumping the plug. BOP/BOPE testing can begin after cut-off or once cement reaches 500 psi compressive strength (including lead cement), whichever is greater. However, if the float does not hold, cut-off cannot be initiated until cement reaches 500 psi compressive strength (including lead when specified).
 - ii. In potash areas, for all casing strings utilizing slips, these are to be set as soon as the crew and rig are ready and any fallback cement remediation has been done. For all casing strings, casing cut-off and BOP installation can be initiated at twelve hours after bumping the cement plug. The BOPE test can be initiated after bumping the

cement plug with the casing valve open. (only applies to single stage cement jobs, prior to the cement setting up.)

- iii. The tests shall be done by an independent service company utilizing a test plug not a cup or J-packer and can be initiated immediately with the casing valve open. The operator also has the option of utilizing an independent tester to test without a plug (i.e. against the casing) pursuant to **43 CFR 3172** with the pressure not to exceed 70% of the burst rating for the casing. Any test against the casing must meet the WOC time for 8 hours or 500 pounds compressive strength, whichever is greater, prior to initiating the test (see casing segment as lead cement may be critical item).
- iv. The test shall be run on a 5000 psi chart for a 2-3M BOP/BOP, on a 10000 psi chart for a 5M BOP/BOPE and on a 15000 psi chart for a 10M BOP/BOPE. If a linear chart is used, it shall be a one hour chart. A circular chart shall have a maximum 2 hour clock. If a twelve hour or twenty-four hour chart is used, tester shall make a notation that it is run with a two hour clock.
- v. The results of the test shall be reported to the appropriate BLM office.
- vi. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
- vii. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug. This test shall be performed prior to the test at full stack pressure.
- viii. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per **43 CFR 3172**.

C. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the Wolfcamp formation, and shall be used until production casing is run and cemented.

D. WASTE MATERIAL AND FLUIDS

All waste (i.e. drilling fluids, trash, salts, chemicals, sewage, gray water, etc.)

created as a result of drilling operations and completion operations shall be safely contained and disposed of properly at a waste disposal facility. No waste material or fluid shall be disposed of on the well location or surrounding area. Porto-johns and trash containers will be on-location during fracturing operations or any other crew-intensive operations.

JS 10/22/2024

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #751H

OWB

PWP0

Anticollision Report

25 January, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference	PWP0		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program		Date	1/25/2023	
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	1,500.0	PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5
1,500.0	11,379.1	PWP0 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5
11,379.1	21,026.0	PWP0 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP						Out of range
CONOCO B FEDERAL #1 - OWB - AWP						Out of range
CONOCO FEDERAL #1 - OWB - AWP	4,498.1	4,327.0	649.1	527.7	5.344	CC, ES, SF
RUSSELL FEDERAL #10 - OWB - AWP						Out of range
RUSSELL FEDERAL #12 - OWB - AWP	3,509.6	3,470.4	220.8	97.0	1.784	Advise and Monitor, CC
RUSSELL FEDERAL #12 - OWB - AWP	3,700.0	3,658.2	226.7	93.9	1.707	Advise and Monitor, ES
RUSSELL FEDERAL #12 - OWB - AWP	3,800.0	3,752.5	231.7	94.4	1.687	Advise and Monitor, SF
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,241.3	1,253.3	934.8	905.7	32.070	CC
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	1,700.0	1,710.3	938.2	894.3	21.401	ES
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	2,300.0	2,302.6	991.5	925.9	15.108	SF
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0						Out of range
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	11,200.0	11,358.6	882.8	840.3	20.741	CC, ES, SF
*ZIA HILLS UNIT 1932 WC #762H - OWB - PWP0						Out of range
*ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0	11,009.2	11,094.0	865.4	813.4	16.619	CC
*ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0	21,026.0	20,633.8	900.8	746.0	5.817	ES, SF
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	12,404.4	12,141.5	446.2	388.0	7.666	CC
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,026.0	20,763.0	446.2	289.8	2.853	ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	1,500.0	1,500.0	200.6	190.2	19.324	CC, ES
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	2,000.0	2,019.6	217.6	205.4	17.796	SF
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	1,500.0	1,500.0	202.7	192.4	19.690	CC, ES
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	2,100.0	2,125.0	219.6	206.7	17.064	SF
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	1,746.8	1,765.8	208.5	197.5	19.013	CC, ES
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	2,000.0	2,018.6	219.7	207.5	17.900	SF
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,466.3	1,467.3	219.7	209.6	21.814	CC
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	1,500.0	1,500.0	219.7	209.6	21.681	ES, SF
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,466.0	1,468.0	233.7	223.7	23.334	CC
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	1,500.0	1,500.0	233.7	223.6	23.198	ES, SF
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,466.0	1,468.0	250.6	240.6	25.131	CC
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	1,500.0	1,500.0	250.6	240.6	24.987	ES, SF
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,466.0	1,468.0	269.6	259.7	27.124	CC
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,500.0	1,500.0	269.7	259.7	26.971	ES
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	1,700.0	1,684.3	282.1	271.6	26.935	SF
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	1,500.0	1,501.0	30.1	20.0	3.001	CC, ES
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,026.0	21,409.5	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	1,500.0	1,502.0	60.2	50.2	6.010	CC, ES
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,026.0	21,595.4	848.3	692.6	5.448	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	1,466.0	1,468.0	90.3	80.2	8.956	CC, ES, SF
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	1,466.0	1,468.0	120.6	110.5	11.959	CC, ES, SF
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	1,465.6	1,468.6	150.9	140.8	14.955	CC, ES, SF
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	1,465.6	1,468.6	181.1	171.0	17.951	CC, ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)		Separation Factor	Warning
Offset Well - Wellbore - Design						
ZIA HILLS 20 FED COM PROJECT						
CONOCO A FEDERAL #2 - OWB - AWP	21,026.0	4,317.0				Out of Range @TD
CONOCO B FEDERAL #1 - OWB - AWP	21,026.0	4,330.0				Out of Range @TD
CONOCO FEDERAL #1 - OWB - AWP	21,026.0	4,327.0				Out of Range @TD
RUSSELL FEDERAL #10 - OWB - AWP	21,026.0	4,500.0				Out of Range @TD
RUSSELL FEDERAL #12 - OWB - AWP	21,026.0	4,335.0				Out of Range @TD
RUSSELL FEDERAL #6 (P&A) - OWB - AWP	21,026.0	4,378.0				Out of Range @TD
ZIA HILLS UNIT 1932 PROJECT						
*ZIA HILLS UNIT 1932 WC #713H - OWB - PWP0	21,026.0	11,175.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0	21,026.0	11,400.0				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #762H - OWB - PWP0	21,026.0	21,572.4				Out of Range @TD
*ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0	21,026.0	20,633.8	900.8	746.0	5.817	ES, SF
*ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0	21,026.0	20,763.0	446.2	289.8	2.853	ES, SF
ZIA HILLS UNIT 2032 PROJECT						
ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0	21,026.0	11,375.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0	21,026.0	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0	21,026.0	11,275.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0	21,026.0	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0	21,026.0	11,325.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0	21,026.0	11,575.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0	21,026.0	11,475.0				Out of Range @TD
ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0	21,026.0	21,409.5	458.6	303.1	2.949	SF
ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0	21,026.0	21,595.4	848.3	692.6	5.448	SF
ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0	21,026.0	21,829.4				Out of Range @TD
ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0	21,026.0	21,692.6				Out of Range @TD
ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0	21,026.0	21,893.9				Out of Range @TD
ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0	21,026.0	21,747.1				Out of Range @TD

Offset Design: ZIA HILLS 20 FED COM PROJECT - CONOCO FEDERAL #1 - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 464-INC-ONLY													Offset Well Error: 3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
2,600.0	2,581.2	2,583.3	2,583.2	8.1	45.5	31.06	-342.6	-1,103.4	994.7	929.5	65.14	15.270	
2,700.0	2,678.2	2,679.7	2,679.6	8.4	47.7	31.74	-343.2	-1,103.4	974.0	905.9	68.14	14.293	
2,800.0	2,775.2	2,778.6	2,778.3	8.8	49.9	32.51	-343.3	-1,103.4	953.3	882.1	71.27	13.376	
2,900.0	2,872.3	2,875.6	2,875.4	9.2	52.1	33.30	-343.3	-1,103.4	932.9	858.5	74.35	12.547	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - CONOCO FEDERAL #1 - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program: 464-INC-ONLY				Rule Assigned:										Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)					
3,000.0	2,969.3	2,972.3	2,972.0	9.6	54.3	34.22	-341.7	-1,103.4	912.3	834.9	77.42	11.784			
3,100.0	3,066.3	3,068.7	3,068.4	10.0	56.4	35.05	-342.2	-1,103.4	892.3	811.8	80.48	11.087			
3,200.0	3,163.4	3,165.3	3,165.0	10.4	58.6	35.89	-343.2	-1,103.4	872.5	789.0	83.54	10.444			
3,300.0	3,260.4	3,263.8	3,263.5	10.9	60.8	36.84	-343.3	-1,103.4	852.8	766.2	86.60	9.848			
3,400.0	3,357.4	3,360.9	3,360.5	11.3	62.9	37.82	-343.3	-1,103.4	833.4	743.8	89.60	9.301			
3,500.0	3,454.4	3,457.8	3,457.4	11.7	65.0	38.92	-342.3	-1,103.4	814.1	721.5	92.60	8.792			
3,600.0	3,551.5	3,554.6	3,554.3	12.2	67.1	39.98	-342.7	-1,103.4	795.2	699.6	95.59	8.319			
3,700.0	3,648.5	3,652.0	3,651.6	12.6	69.3	41.07	-343.3	-1,103.4	776.7	678.0	98.65	7.873			
3,800.0	3,745.5	3,749.1	3,748.6	13.0	71.8	42.25	-343.3	-1,103.4	758.3	656.3	102.09	7.428			
3,900.0	3,842.6	3,846.1	3,845.7	13.5	74.2	43.49	-343.3	-1,103.4	740.4	634.8	105.53	7.016			
4,000.0	3,939.6	3,943.2	3,942.7	13.9	76.7	44.89	-342.0	-1,103.4	722.8	613.8	108.96	6.633			
4,100.0	4,036.6	4,040.4	4,039.9	14.4	79.1	46.23	-342.5	-1,103.4	705.6	593.2	112.40	6.277			
4,200.0	4,133.6	4,137.4	4,136.7	14.9	81.6	47.58	-343.3	-1,103.4	688.7	572.9	115.84	5.946			
4,300.0	4,230.7	4,234.6	4,233.9	15.3	84.1	49.15	-342.5	-1,103.4	672.4	553.0	119.41	5.631			
4,400.0	4,327.7	4,327.0	4,326.3	15.8	86.5	50.57	-343.3	-1,103.4	656.5	533.7	122.77	5.348			
4,498.1	4,422.9	4,327.0	4,326.3	16.2	86.5	50.57	-343.3	-1,103.4	649.1	527.7	121.47	5.344	CC, ES, SF		
4,500.0	4,424.7	4,327.0	4,326.3	16.2	86.5	50.57	-343.3	-1,103.4	649.1	527.7	121.42	5.346			
4,600.0	4,521.8	4,327.0	4,326.3	16.7	86.5	50.57	-343.3	-1,103.4	657.1	539.6	117.46	5.594			
4,700.0	4,618.8	4,327.0	4,326.3	17.2	86.5	50.57	-343.3	-1,103.4	679.8	568.5	111.33	6.106			
4,800.0	4,715.8	4,327.0	4,326.3	17.6	86.5	50.57	-343.3	-1,103.4	715.9	612.1	103.84	6.894			
4,900.0	4,812.9	4,327.0	4,326.3	18.1	86.5	50.57	-343.3	-1,103.4	763.5	667.6	95.83	7.967			
5,000.0	4,909.9	4,327.0	4,326.3	18.6	86.5	50.57	-343.3	-1,103.4	820.5	732.6	87.94	9.331			
5,100.0	5,006.9	4,327.0	4,326.3	19.0	86.5	50.57	-343.3	-1,103.4	885.2	804.7	80.58	10.986			
5,200.0	5,103.9	4,327.0	4,326.3	19.5	86.5	50.57	-343.3	-1,103.4	956.0	882.1	73.94	12.929			

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	5.1	5.1	3.0	3.0	-104.21	-112.6	-444.5	458.6	451.7	6.89	66.532	
100.0	100.0	105.1	105.1	3.1	3.1	-104.21	-112.6	-444.5	458.6	451.4	7.15	64.105	
200.0	200.0	205.1	205.1	3.2	3.5	-104.21	-112.6	-444.5	458.6	450.9	7.64	60.045	
300.0	300.0	305.1	305.1	3.4	4.1	-104.21	-112.6	-444.5	458.6	450.2	8.36	54.851	
400.0	400.0	405.1	405.1	3.5	5.5	-104.21	-112.6	-444.5	458.6	448.6	10.02	45.749	
439.4	439.4	444.5	444.5	3.5	6.1	-104.19	-112.4	-444.5	458.5	447.8	10.78	42.542	
500.0	500.0	505.0	505.0	3.6	7.1	-104.20	-112.5	-444.5	458.6	446.5	12.01	38.174	
600.0	600.0	605.1	605.1	3.7	8.7	-104.21	-112.6	-444.5	458.6	444.4	14.20	32.287	
700.0	700.0	705.1	705.1	3.9	10.6	-104.21	-112.6	-444.5	458.6	441.9	16.64	27.554	
733.7	733.7	738.8	738.8	3.9	11.2	-104.18	-112.3	-444.5	458.5	441.0	17.48	26.226	
800.0	800.0	804.9	804.9	4.0	12.4	-104.19	-112.4	-444.5	458.5	439.4	19.15	23.945	
900.0	900.0	905.1	905.1	4.1	14.4	-104.21	-112.6	-444.5	458.6	436.8	21.79	21.041	
1,000.0	1,000.0	1,005.1	1,005.1	4.2	16.5	-104.21	-112.6	-444.5	458.6	433.9	24.66	18.600	
1,031.0	1,031.0	1,036.0	1,036.0	4.3	17.1	-104.14	-112.0	-444.5	458.4	432.9	25.54	17.947	
1,100.0	1,100.0	1,104.6	1,104.5	4.3	18.6	-104.17	-112.2	-444.5	458.5	431.0	27.53	16.657	
1,200.0	1,200.0	1,205.2	1,205.1	4.5	20.7	-104.21	-112.6	-444.5	458.6	428.2	30.39	15.088	
1,300.0	1,300.0	1,305.2	1,305.1	4.6	23.0	-104.21	-112.6	-444.5	458.6	425.1	33.48	13.696	
1,400.0	1,400.0	1,405.2	1,405.1	4.7	25.2	-104.21	-112.6	-444.5	458.6	422.0	36.58	12.536	
1,439.5	1,439.5	1,444.5	1,444.4	4.7	26.1	-104.05	-111.3	-444.5	458.3	420.5	37.80	12.123	
1,500.0	1,500.0	1,504.8	1,504.6	4.8	27.5	-104.07	-111.4	-444.5	458.3	418.6	39.68	11.551	
1,600.0	1,600.0	1,604.3	1,604.2	5.0	29.7	28.97	-112.1	-444.5	456.9	414.3	42.59	10.729	
1,700.0	1,699.8	1,705.1	1,704.9	5.2	32.2	29.27	-112.6	-444.5	452.5	406.4	46.05	9.827	
1,800.0	1,799.5	1,804.4	1,804.2	5.5	34.8	29.96	-112.1	-444.5	444.8	395.0	49.79	8.934	
1,900.0	1,898.7	1,904.1	1,903.8	5.7	37.6	30.80	-112.6	-444.5	434.4	380.7	53.69	8.090	
2,000.0	1,997.5	2,001.8	2,001.5	6.0	40.6	32.09	-112.1	-444.5	420.9	363.0	57.81	7.280	
2,100.0	2,095.6	2,101.2	2,100.7	6.4	43.6	33.64	-112.6	-444.5	404.8	342.8	62.06	6.523	
2,200.0	2,193.1	2,198.5	2,198.0	6.7	46.6	35.87	-111.4	-444.5	386.0	319.8	66.26	5.826	
2,300.0	2,290.1	2,295.2	2,294.7	7.0	49.6	37.92	-112.2	-444.5	366.6	296.1	70.42	5.205	
2,400.0	2,387.1	2,392.9	2,392.2	7.4	52.6	40.29	-112.6	-444.5	347.6	272.9	74.69	4.654	
2,500.0	2,484.1	2,489.9	2,489.2	7.7	55.7	42.98	-112.6	-444.5	329.3	250.3	78.94	4.171	
2,600.0	2,581.2	2,587.0	2,586.3	8.1	58.7	46.43	-110.1	-444.5	311.9	228.7	83.20	3.748	
2,700.0	2,678.2	2,684.5	2,683.7	8.4	61.8	49.65	-110.8	-444.5	295.3	207.9	87.47	3.376	
2,800.0	2,775.2	2,782.3	2,781.5	8.8	64.9	53.07	-112.4	-444.5	279.7	188.0	91.76	3.049	
2,900.0	2,872.3	2,878.4	2,877.4	9.2	67.9	57.06	-112.6	-444.5	265.5	169.5	96.01	2.766	
3,000.0	2,969.3	2,975.6	2,974.5	9.6	71.0	61.86	-111.2	-444.5	253.3	153.0	100.31	2.526	
3,100.0	3,066.3	3,073.7	3,072.7	10.0	74.1	66.68	-111.9	-444.5	242.3	137.7	104.64	2.316	
3,200.0	3,163.4	3,169.7	3,168.5	10.4	77.4	71.78	-112.6	-444.5	233.2	124.0	109.13	2.137	
3,300.0	3,260.4	3,267.3	3,265.9	10.9	80.8	77.74	-111.3	-444.5	227.3	113.4	113.92	1.995 Advise and Monitor	
3,400.0	3,357.4	3,367.0	3,365.6	11.3	84.3	83.57	-112.5	-444.5	222.5	103.7	118.82	1.873 Advise and Monitor	
3,500.0	3,454.4	3,461.1	3,459.5	11.7	87.6	89.42	-112.6	-444.5	220.8	97.5	123.36	1.790 Advise and Monitor	
3,509.6	3,463.8	3,470.4	3,468.9	11.8	87.9	90.00	-112.6	-444.5	220.8	97.0	123.81	1.784 Advise and Monitor, CC	
3,600.0	3,551.5	3,558.4	3,556.7	12.2	90.9	95.82	-110.5	-444.5	223.6	95.5	128.04	1.746 Advise and Monitor	
3,700.0	3,648.5	3,658.2	3,656.5	12.6	94.4	101.78	-111.3	-444.5	226.7	93.9	132.85	1.707 Advise and Monitor, ES	
3,800.0	3,745.5	3,752.5	3,750.6	13.0	97.5	107.15	-112.6	-444.5	231.7	94.4	137.35	1.687 Advise and Monitor, SF	
3,900.0	3,842.6	3,849.6	3,847.7	13.5	100.7	112.54	-112.6	-444.5	240.2	98.4	141.77	1.694 Advise and Monitor	
4,000.0	3,939.6	3,947.4	3,945.4	13.9	103.8	117.67	-110.8	-444.5	252.4	106.2	146.23	1.726 Advise and Monitor	
4,100.0	4,036.6	4,047.3	4,045.3	14.4	107.0	122.31	-111.6	-444.5	264.0	113.2	150.78	1.751 Advise and Monitor	
4,200.0	4,133.6	4,140.9	4,138.7	14.9	110.0	126.27	-112.6	-444.5	276.9	121.9	155.02	1.786 Advise and Monitor	
4,300.0	4,230.7	4,239.3	4,237.1	15.3	113.1	130.09	-111.6	-444.5	293.1	133.8	159.36	1.839 Advise and Monitor	
4,400.0	4,327.7	4,335.0	4,332.7	15.8	116.0	133.42	-112.6	-444.5	308.5	144.9	163.57	1.886 Advise and Monitor	
4,500.0	4,424.7	4,435.0	4,432.7	16.2	116.0	133.42	-112.6	-444.5	340.0	183.2	156.85	2.168	
4,600.0	4,521.8	4,435.0	4,432.7	16.7	116.0	133.42	-112.6	-444.5	395.1	252.2	142.84	2.766	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #12 - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 296-INC-ONLY													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
4,700.0	4,618.8	4,335.0	4,332.7	17.2	116.0	133.42	-112.6	-444.5	465.3	337.0	128.32	3.626		
4,800.0	4,715.8	4,335.0	4,332.7	17.6	116.0	133.42	-112.6	-444.5	544.9	429.1	115.87	4.703		
4,900.0	4,812.9	4,335.0	4,332.7	18.1	116.0	133.42	-112.6	-444.5	630.4	524.6	105.82	5.957		
5,000.0	4,909.9	4,335.0	4,332.7	18.6	116.0	133.42	-112.6	-444.5	719.6	621.8	97.82	7.357		
5,100.0	5,006.9	4,335.0	4,332.7	19.0	116.0	133.42	-112.6	-444.5	811.4	720.0	91.42	8.876		
5,200.0	5,103.9	4,335.0	4,332.7	19.5	116.0	133.42	-112.6	-444.5	904.9	818.6	86.24	10.492		
5,300.0	5,201.0	4,335.0	4,332.7	20.0	116.0	133.42	-112.6	-444.5	999.6	917.6	82.02	12.188		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS 20 FED COM PROJECT - RUSSELL FEDERAL #6 (P&A) - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 500-INC-ONLY												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	12.0	12.0	3.0	3.0	108.76	-300.7	885.4	935.1	928.1	6.98	133.911	
100.0	100.0	112.0	112.0	3.1	3.2	108.76	-300.7	885.4	935.1	928.0	7.12	131.367	
200.0	200.0	212.0	212.0	3.2	3.6	108.76	-300.7	885.4	935.1	927.5	7.65	122.264	
300.0	300.0	312.0	312.0	3.4	4.2	108.76	-300.7	885.4	935.1	926.7	8.37	111.772	
400.0	400.0	412.0	412.0	3.5	4.8	108.76	-300.7	885.4	935.1	925.9	9.22	101.384	
500.0	500.0	512.0	512.0	3.6	5.7	108.76	-300.7	885.4	935.1	924.8	10.30	90.797	
600.0	600.0	612.0	612.0	3.7	7.4	108.76	-300.7	885.4	935.1	922.7	12.42	75.263	
700.0	700.0	712.0	712.0	3.9	9.2	108.76	-300.7	885.4	935.1	920.4	14.73	63.465	
741.3	741.3	753.3	753.3	3.9	9.9	108.72	-300.1	885.4	934.9	919.2	15.72	59.473	
800.0	800.0	811.7	811.7	4.0	11.0	108.73	-300.2	885.4	934.9	917.8	17.14	54.542	
900.0	900.0	911.2	911.2	4.1	12.8	108.74	-300.4	885.4	935.0	915.4	19.61	47.682	
1,000.0	1,000.0	1,012.0	1,012.0	4.2	14.7	108.76	-300.7	885.4	935.1	913.0	22.09	42.330	
1,100.0	1,100.0	1,112.0	1,112.0	4.3	16.8	108.76	-300.7	885.4	935.1	910.1	25.00	37.405	
1,200.0	1,200.0	1,212.0	1,212.0	4.5	19.0	108.76	-300.7	885.4	935.1	907.2	27.93	33.475	
1,241.3	1,241.3	1,253.3	1,253.2	4.5	19.9	108.71	-299.9	885.4	934.8	905.7	29.15	32.070 CC	
1,300.0	1,300.0	1,311.6	1,311.5	4.6	21.1	108.71	-299.9	885.4	934.9	904.0	30.87	30.280	
1,400.0	1,400.0	1,410.8	1,410.7	4.7	23.2	108.73	-300.2	885.4	934.9	901.1	33.82	27.647	
1,500.0	1,500.0	1,512.1	1,512.0	4.8	25.5	108.76	-300.7	885.4	935.1	898.2	36.91	25.337	
1,600.0	1,600.0	1,612.1	1,612.0	5.0	28.1	-118.32	-300.7	885.4	935.9	895.6	40.29	23.229	
1,700.0	1,699.8	1,710.3	1,710.1	5.2	30.6	-118.60	-299.9	885.4	938.2	894.3	43.84	21.401 ES	
1,800.0	1,799.5	1,811.7	1,811.5	5.5	33.3	-118.95	-300.7	885.4	942.6	895.1	47.53	19.832	
1,900.0	1,898.7	1,911.0	1,910.7	5.7	35.9	-119.49	-300.7	885.4	948.6	897.4	51.22	18.521	
2,000.0	1,997.5	2,009.6	2,009.3	6.0	38.5	-120.26	-298.8	885.4	955.9	901.0	54.89	17.416	
2,100.0	2,095.6	2,105.9	2,105.5	6.4	41.1	-121.01	-299.2	885.4	965.9	907.4	58.48	16.518	
2,200.0	2,193.1	2,201.6	2,201.3	6.7	43.7	-121.83	-300.4	885.4	978.2	916.1	62.05	15.764	
2,300.0	2,290.1	2,302.6	2,302.1	7.0	46.2	-123.02	-300.7	885.4	991.5	925.9	65.63	15.108 SF	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11378-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,800.0	6,679.5	7,080.3	6,884.8	26.3	29.1	95.59	45.4	-1,374.1	985.5	947.2	38.36	25.692	
6,900.0	6,779.5	7,176.0	6,976.8	26.6	29.6	96.89	48.2	-1,347.9	971.2	932.6	38.58	25.173	
6,956.1	6,835.6	7,229.9	7,028.6	26.6	29.9	-35.40	49.8	-1,333.1	963.3	924.6	38.69	24.900	
7,000.0	6,879.5	7,272.1	7,069.1	26.6	30.1	-34.79	51.0	-1,321.5	957.3	918.5	38.76	24.697	
7,100.0	6,979.5	7,368.2	7,161.5	26.7	30.6	-33.36	53.8	-1,295.2	943.9	905.0	38.95	24.232	
7,200.0	7,079.5	7,462.3	7,252.0	26.7	31.0	-31.94	56.5	-1,269.5	931.2	892.1	39.12	23.802	
7,300.0	7,179.5	7,546.9	7,333.8	26.7	31.4	-30.71	58.8	-1,247.9	920.0	880.7	39.24	23.444	
7,400.0	7,279.5	7,632.8	7,417.4	26.7	31.9	-29.59	60.9	-1,228.4	910.5	871.1	39.37	23.126	
7,500.0	7,379.5	7,719.9	7,502.8	26.7	32.3	-28.58	62.7	-1,211.2	902.6	863.1	39.49	22.855	
7,600.0	7,479.5	7,808.0	7,589.6	26.8	32.7	-27.71	64.3	-1,196.5	896.2	856.6	39.61	22.625	
7,700.0	7,579.5	7,900.0	7,680.7	26.8	33.1	-26.95	65.6	-1,184.0	891.1	851.4	39.74	22.423	
7,800.0	7,679.5	7,986.4	7,766.7	26.8	33.5	-26.40	66.6	-1,174.8	887.3	847.5	39.82	22.285	
7,900.0	7,779.5	8,076.6	7,856.5	26.8	33.8	-25.98	67.3	-1,168.1	884.7	844.8	39.91	22.170	
8,000.0	7,879.5	8,167.0	7,946.9	26.8	34.1	-25.74	67.7	-1,164.1	883.2	843.3	39.98	22.091	
8,100.0	7,979.5	8,258.6	8,038.5	26.9	34.3	-25.67	67.8	-1,162.9	882.8	842.8	40.02	22.058	
8,200.0	8,079.5	8,358.6	8,138.5	26.9	34.3	-25.67	67.8	-1,162.9	882.8	842.7	40.09	22.021	
8,300.0	8,179.5	8,458.6	8,238.5	26.9	34.3	-25.67	67.8	-1,162.9	882.8	842.7	40.16	21.980	
8,400.0	8,279.5	8,558.6	8,338.5	26.9	34.3	-25.67	67.8	-1,162.9	882.8	842.6	40.24	21.938	
8,500.0	8,379.5	8,658.6	8,438.5	27.0	34.4	-25.67	67.8	-1,162.9	882.8	842.5	40.32	21.896	
8,600.0	8,479.5	8,758.6	8,538.5	27.0	34.4	-25.67	67.8	-1,162.9	882.8	842.4	40.40	21.855	
8,700.0	8,579.5	8,858.6	8,638.5	27.0	34.4	-25.67	67.8	-1,162.9	882.8	842.3	40.47	21.813	
8,800.0	8,679.5	8,958.6	8,738.5	27.0	34.4	-25.67	67.8	-1,162.9	882.8	842.3	40.55	21.771	
8,900.0	8,779.5	9,058.6	8,838.5	27.0	34.5	-25.67	67.8	-1,162.9	882.8	842.2	40.63	21.728	
9,000.0	8,879.5	9,158.6	8,938.5	27.1	34.5	-25.67	67.8	-1,162.9	882.8	842.1	40.71	21.686	
9,100.0	8,979.5	9,258.6	9,038.5	27.1	34.5	-25.67	67.8	-1,162.9	882.8	842.0	40.79	21.644	
9,200.0	9,079.5	9,358.6	9,138.5	27.1	34.5	-25.67	67.8	-1,162.9	882.8	841.9	40.87	21.601	
9,300.0	9,179.5	9,458.6	9,238.5	27.1	34.5	-25.67	67.8	-1,162.9	882.8	841.9	40.95	21.559	
9,400.0	9,279.5	9,558.6	9,338.5	27.2	34.6	-25.67	67.8	-1,162.9	882.8	841.8	41.03	21.516	
9,500.0	9,379.5	9,658.6	9,438.5	27.2	34.6	-25.67	67.8	-1,162.9	882.8	841.7	41.11	21.473	
9,600.0	9,479.5	9,758.6	9,538.5	27.2	34.6	-25.67	67.8	-1,162.9	882.8	841.6	41.19	21.430	
9,700.0	9,579.5	9,858.6	9,638.5	27.2	34.6	-25.67	67.8	-1,162.9	882.8	841.5	41.28	21.388	
9,800.0	9,679.5	9,958.6	9,738.5	27.3	34.7	-25.67	67.8	-1,162.9	882.8	841.5	41.36	21.345	
9,900.0	9,779.5	10,058.6	9,838.5	27.3	34.7	-25.67	67.8	-1,162.9	882.8	841.4	41.44	21.302	
10,000.0	9,879.5	10,158.6	9,938.5	27.3	34.7	-25.67	67.8	-1,162.9	882.8	841.3	41.53	21.258	
10,100.0	9,979.5	10,258.6	10,038.5	27.3	34.8	-25.67	67.8	-1,162.9	882.8	841.2	41.61	21.215	
10,200.0	10,079.5	10,358.6	10,138.5	27.4	34.8	-25.67	67.8	-1,162.9	882.8	841.1	41.70	21.172	
10,300.0	10,179.5	10,458.6	10,238.5	27.4	34.8	-25.67	67.8	-1,162.9	882.8	841.0	41.78	21.129	
10,400.0	10,279.5	10,558.6	10,338.5	27.4	34.8	-25.67	67.8	-1,162.9	882.8	840.9	41.87	21.086	
10,500.0	10,379.5	10,658.6	10,438.5	27.4	34.9	-25.67	67.8	-1,162.9	882.8	840.9	41.95	21.042	
10,600.0	10,479.5	10,758.6	10,538.5	27.5	34.9	-25.67	67.8	-1,162.9	882.8	840.8	42.04	20.999	
10,700.0	10,579.5	10,858.6	10,638.5	27.5	34.9	-25.67	67.8	-1,162.9	882.8	840.7	42.13	20.955	
10,800.0	10,679.5	10,958.6	10,738.5	27.5	34.9	-25.67	67.8	-1,162.9	882.8	840.6	42.22	20.912	
10,900.0	10,779.5	11,058.6	10,838.5	27.6	35.0	-25.67	67.8	-1,162.9	882.8	840.5	42.30	20.868	
11,000.0	10,879.5	11,158.6	10,938.5	27.6	35.0	-25.67	67.8	-1,162.9	882.8	840.4	42.39	20.825	
11,100.0	10,979.5	11,258.6	11,038.5	27.6	35.0	-25.67	67.8	-1,162.9	882.8	840.3	42.48	20.781	
11,200.0	11,079.5	11,358.6	11,138.5	27.6	35.0	-25.67	67.8	-1,162.9	882.8	840.3	42.56	20.741 CC, ES, SF	
11,300.0	11,179.5	11,407.9	11,187.7	27.7	35.1	-25.64	68.8	-1,163.0	885.1	842.8	42.36	20.896	
11,379.1	11,258.5	11,437.2	11,216.9	27.7	35.1	-25.57	71.6	-1,163.0	891.9	849.7	42.14	21.162	
11,400.0	11,279.5	11,450.0	11,229.6	27.7	35.1	154.71	73.3	-1,163.0	894.8	852.9	41.90	21.356	
11,425.0	11,304.4	11,450.0	11,229.6	27.7	35.1	154.45	73.3	-1,163.0	899.8	858.0	41.82	21.515	
11,450.0	11,329.2	11,462.7	11,242.1	27.7	35.1	154.20	75.4	-1,163.0	906.3	864.5	41.80	21.682	
11,475.0	11,353.8	11,475.0	11,254.2	27.7	35.1	153.88	77.7	-1,163.0	914.4	872.6	41.78	21.884	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #714H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11378-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
11,500.0	11,378.2	11,475.0	11,254.2	27.7	35.1	153.33	77.7	-1,163.0	923.9	882.2	41.74	22.134		
11,525.0	11,402.2	11,487.3	11,266.2	27.7	35.1	152.85	80.4	-1,163.1	934.9	893.1	41.74	22.394		
11,550.0	11,425.8	11,500.0	11,278.6	27.7	35.1	152.29	83.4	-1,163.1	947.2	905.5	41.76	22.685		
11,575.0	11,449.0	11,500.0	11,278.6	27.7	35.1	151.36	83.4	-1,163.1	960.9	919.1	41.76	23.011		
11,600.0	11,471.7	11,508.5	11,286.8	27.7	35.1	150.48	85.7	-1,163.1	975.8	934.0	41.78	23.354		
11,625.0	11,493.7	11,514.7	11,292.7	27.7	35.1	149.38	87.4	-1,163.1	991.8	950.0	41.81	23.721		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11160-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,400.0	6,280.3	6,680.0	6,520.5	24.9	26.9	34.50	-864.6	-1,709.7	982.5	936.6	45.94	21.385	
6,500.0	6,380.0	6,755.2	6,593.6	25.3	27.2	33.93	-872.7	-1,693.6	955.9	909.2	46.69	20.473	
6,600.0	6,479.7	6,831.7	6,668.3	25.7	27.6	33.38	-880.0	-1,679.1	932.9	885.4	47.41	19.675	
6,700.0	6,579.6	6,900.0	6,735.4	26.0	27.9	32.92	-885.8	-1,667.6	913.5	865.4	48.09	18.994	
6,800.0	6,679.5	6,987.9	6,822.2	26.3	28.3	32.39	-892.1	-1,654.9	897.6	848.9	48.72	18.425	
6,900.0	6,779.5	7,067.3	6,900.8	26.6	28.7	31.96	-896.9	-1,645.5	885.5	836.3	49.28	17.970	
6,956.1	6,835.6	7,112.2	6,945.4	26.6	28.9	-101.25	-899.1	-1,641.1	880.4	830.9	49.51	17.783	
7,000.0	6,879.5	7,147.3	6,980.4	26.6	29.0	-101.39	-900.6	-1,638.0	877.0	827.4	49.63	17.670	
7,100.0	6,979.5	7,227.7	7,060.5	26.7	29.3	-101.64	-903.4	-1,632.5	870.9	821.0	49.92	17.447	
7,200.0	7,079.5	7,300.0	7,132.7	26.7	29.6	-101.79	-905.0	-1,629.2	867.2	817.0	50.14	17.296	
7,300.0	7,179.5	7,389.3	7,222.0	26.7	29.7	-101.87	-905.9	-1,627.5	865.5	815.2	50.27	17.218	
7,343.6	7,223.1	7,428.3	7,261.1	26.7	29.8	-101.88	-906.0	-1,627.4	865.4	815.1	50.30	17.205	
7,400.0	7,279.5	7,484.8	7,317.5	26.7	29.8	-101.88	-906.0	-1,627.4	865.4	815.1	50.32	17.198	
7,500.0	7,379.5	7,584.8	7,417.5	26.7	29.8	-101.88	-906.0	-1,627.4	865.4	815.1	50.36	17.185	
7,600.0	7,479.5	7,684.8	7,517.5	26.8	29.8	-101.88	-906.0	-1,627.4	865.4	815.0	50.40	17.171	
7,700.0	7,579.5	7,784.8	7,617.5	26.8	29.9	-101.88	-906.0	-1,627.4	865.4	815.0	50.44	17.157	
7,800.0	7,679.5	7,884.8	7,717.5	26.8	29.9	-101.88	-906.0	-1,627.4	865.4	814.9	50.48	17.143	
7,900.0	7,779.5	7,984.8	7,817.5	26.8	29.9	-101.88	-906.0	-1,627.4	865.4	814.9	50.53	17.128	
8,000.0	7,879.5	8,084.8	7,917.5	26.8	29.9	-101.88	-906.0	-1,627.4	865.4	814.9	50.57	17.114	
8,100.0	7,979.5	8,184.8	8,017.5	26.9	29.9	-101.88	-906.0	-1,627.4	865.4	814.8	50.61	17.099	
8,200.0	8,079.5	8,284.8	8,117.5	26.9	30.0	-101.88	-906.0	-1,627.4	865.4	814.8	50.66	17.084	
8,300.0	8,179.5	8,384.8	8,217.5	26.9	30.0	-101.88	-906.0	-1,627.4	865.4	814.7	50.70	17.070	
8,400.0	8,279.5	8,484.8	8,317.5	26.9	30.0	-101.88	-906.0	-1,627.4	865.4	814.7	50.74	17.055	
8,500.0	8,379.5	8,584.8	8,417.5	27.0	30.0	-101.88	-906.0	-1,627.4	865.4	814.6	50.79	17.039	
8,600.0	8,479.5	8,684.8	8,517.5	27.0	30.0	-101.88	-906.0	-1,627.4	865.4	814.6	50.84	17.024	
8,700.0	8,579.5	8,784.8	8,617.5	27.0	30.1	-101.88	-906.0	-1,627.4	865.4	814.5	50.88	17.009	
8,800.0	8,679.5	8,884.8	8,717.5	27.0	30.1	-101.88	-906.0	-1,627.4	865.4	814.5	50.93	16.993	
8,900.0	8,779.5	8,984.8	8,817.5	27.0	30.1	-101.88	-906.0	-1,627.4	865.4	814.5	50.98	16.977	
9,000.0	8,879.5	9,084.8	8,917.5	27.1	30.1	-101.88	-906.0	-1,627.4	865.4	814.4	51.02	16.962	
9,100.0	8,979.5	9,184.8	9,017.5	27.1	30.2	-101.88	-906.0	-1,627.4	865.4	814.4	51.07	16.946	
9,200.0	9,079.5	9,284.8	9,117.5	27.1	30.2	-101.88	-906.0	-1,627.4	865.4	814.3	51.12	16.930	
9,300.0	9,179.5	9,384.8	9,217.5	27.1	30.2	-101.88	-906.0	-1,627.4	865.4	814.3	51.17	16.913	
9,400.0	9,279.5	9,484.8	9,317.5	27.2	30.2	-101.88	-906.0	-1,627.4	865.4	814.2	51.22	16.897	
9,500.0	9,379.5	9,584.8	9,417.5	27.2	30.2	-101.88	-906.0	-1,627.4	865.4	814.2	51.27	16.881	
9,600.0	9,479.5	9,684.8	9,517.5	27.2	30.3	-101.88	-906.0	-1,627.4	865.4	814.1	51.32	16.864	
9,700.0	9,579.5	9,784.8	9,617.5	27.2	30.3	-101.88	-906.0	-1,627.4	865.4	814.1	51.37	16.847	
9,800.0	9,679.5	9,884.8	9,717.5	27.3	30.3	-101.88	-906.0	-1,627.4	865.4	814.0	51.42	16.831	
9,900.0	9,779.5	9,984.8	9,817.5	27.3	30.3	-101.88	-906.0	-1,627.4	865.4	814.0	51.47	16.814	
10,000.0	9,879.5	10,084.8	9,917.5	27.3	30.4	-101.88	-906.0	-1,627.4	865.4	813.9	51.52	16.797	
10,100.0	9,979.5	10,184.8	10,017.5	27.3	30.4	-101.88	-906.0	-1,627.4	865.4	813.9	51.58	16.780	
10,200.0	10,079.5	10,284.8	10,117.5	27.4	30.4	-101.88	-906.0	-1,627.4	865.4	813.8	51.63	16.762	
10,300.0	10,179.5	10,384.8	10,217.5	27.4	30.4	-101.88	-906.0	-1,627.4	865.4	813.7	51.68	16.745	
10,400.0	10,279.5	10,484.8	10,317.5	27.4	30.5	-101.88	-906.0	-1,627.4	865.4	813.7	51.74	16.727	
10,500.0	10,379.5	10,584.8	10,417.5	27.4	30.5	-101.88	-906.0	-1,627.4	865.4	813.6	51.79	16.710	
10,600.0	10,479.5	10,684.8	10,517.5	27.5	30.5	-101.88	-906.0	-1,627.4	865.4	813.6	51.85	16.692	
10,700.0	10,579.5	10,784.8	10,617.5	27.5	30.5	-101.88	-906.0	-1,627.4	865.4	813.5	51.90	16.674	
10,800.0	10,679.5	10,884.8	10,717.5	27.5	30.6	-101.88	-906.0	-1,627.4	865.4	813.5	51.96	16.656	
10,900.0	10,779.5	10,984.8	10,817.5	27.6	30.6	-101.88	-906.0	-1,627.4	865.4	813.4	52.01	16.638	
11,000.0	10,879.5	11,084.8	10,917.5	27.6	30.6	-101.88	-906.0	-1,627.4	865.4	813.4	52.07	16.620	
11,009.2	10,888.7	11,094.0	10,926.7	27.6	30.6	-101.88	-906.0	-1,627.4	865.4	813.4	52.08	16.619 CC	
11,100.0	10,979.5	11,175.0	11,007.7	27.6	30.6	-101.89	-906.2	-1,627.4	865.5	813.4	52.09	16.616	
11,200.0	11,079.5	11,250.0	11,082.2	27.6	30.6	-102.43	-914.4	-1,627.4	867.9	815.8	52.05	16.674	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11160-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
11,300.0	11,179.5	11,318.9	11,148.7	27.7	30.6	-103.57	-932.2	-1,627.2	873.8	821.8	51.97	16.812	
11,379.1	11,258.5	11,368.7	11,194.8	27.7	30.7	-104.76	-950.9	-1,627.1	881.4	829.5	51.94	16.969	
11,400.0	11,279.5	11,381.3	11,206.1	27.7	30.7	75.00	-956.4	-1,627.1	883.8	832.1	51.70	17.094	
11,425.0	11,304.4	11,400.0	11,222.7	27.7	30.7	74.20	-965.1	-1,627.0	886.7	835.0	51.68	17.156	
11,450.0	11,329.2	11,411.2	11,232.4	27.7	30.7	73.61	-970.6	-1,627.0	889.5	837.8	51.66	17.219	
11,475.0	11,353.8	11,425.0	11,244.3	27.7	30.7	72.99	-977.7	-1,626.9	892.2	840.6	51.64	17.279	
11,500.0	11,378.2	11,440.8	11,257.6	27.7	30.7	72.35	-986.3	-1,626.9	894.9	843.3	51.62	17.335	
11,525.0	11,402.2	11,455.5	11,269.7	27.7	30.7	71.77	-994.6	-1,626.8	897.5	845.9	51.61	17.389	
11,550.0	11,425.8	11,475.0	11,285.3	27.7	30.7	71.13	-1,006.3	-1,626.8	900.0	848.3	51.61	17.438	
11,575.0	11,449.0	11,484.9	11,293.1	27.7	30.7	70.70	-1,012.4	-1,626.7	902.3	850.7	51.60	17.487	
11,600.0	11,471.7	11,500.0	11,304.7	27.7	30.7	70.22	-1,022.1	-1,626.7	904.5	852.9	51.60	17.530	
11,625.0	11,493.7	11,514.1	11,315.2	27.7	30.7	69.79	-1,031.5	-1,626.6	906.6	855.0	51.60	17.570	
11,650.0	11,515.2	11,525.0	11,323.1	27.7	30.7	69.43	-1,038.9	-1,626.5	908.5	856.9	51.59	17.608	
11,675.0	11,535.9	11,543.2	11,336.0	27.8	30.7	69.03	-1,051.8	-1,626.5	910.2	858.6	51.61	17.637	
11,700.0	11,555.8	11,557.7	11,346.0	27.8	30.7	68.71	-1,062.4	-1,626.4	911.8	860.1	51.62	17.664	
11,725.0	11,575.0	11,575.0	11,357.3	27.8	30.7	68.40	-1,075.4	-1,626.3	913.2	861.5	51.64	17.684	
11,750.0	11,593.3	11,586.7	11,364.8	27.8	30.7	68.18	-1,084.4	-1,626.2	914.3	862.7	51.65	17.704	
11,775.0	11,610.6	11,600.0	11,373.0	27.8	30.7	67.99	-1,094.9	-1,626.2	915.3	863.7	51.66	17.717	
11,800.0	11,627.0	11,615.6	11,382.2	27.8	30.7	67.83	-1,107.5	-1,626.1	916.1	864.4	51.69	17.724	
11,825.0	11,642.4	11,625.0	11,387.5	27.8	30.7	67.72	-1,115.2	-1,626.0	916.7	865.0	51.70	17.732	
11,850.0	11,656.7	11,644.5	11,398.2	27.8	30.8	67.63	-1,131.5	-1,625.9	917.1	865.3	51.74	17.725	
11,875.0	11,670.0	11,658.9	11,405.6	27.9	30.8	67.60	-1,143.9	-1,625.9	917.3	865.5	51.77	17.718	
11,900.0	11,682.1	11,675.0	11,413.4	27.9	30.8	67.61	-1,157.9	-1,625.8	917.2	865.4	51.81	17.704	
11,925.0	11,693.1	11,687.8	11,419.3	27.9	30.8	67.66	-1,169.3	-1,625.7	917.0	865.1	51.84	17.689	
11,950.0	11,702.8	11,700.0	11,424.6	27.9	30.8	67.74	-1,180.3	-1,625.6	916.5	864.6	51.87	17.669	
11,975.0	11,711.4	11,716.7	11,431.5	27.9	30.8	67.88	-1,195.5	-1,625.5	915.8	863.9	51.92	17.639	
12,000.0	11,718.7	11,731.1	11,437.0	27.9	30.8	68.06	-1,208.9	-1,625.4	915.0	863.0	51.97	17.607	
12,025.0	11,724.7	11,750.0	11,443.5	28.0	30.8	68.31	-1,226.6	-1,625.3	913.9	861.9	52.03	17.565	
12,050.0	11,729.5	11,760.1	11,446.7	28.0	30.8	68.53	-1,236.1	-1,625.3	912.6	860.6	52.07	17.527	
12,075.0	11,732.9	11,775.0	11,451.1	28.0	30.8	68.83	-1,250.4	-1,625.2	911.2	859.0	52.13	17.480	
12,100.0	11,735.1	11,789.1	11,454.8	28.0	30.8	69.17	-1,264.0	-1,625.1	909.5	857.3	52.18	17.429	
12,125.0	11,736.0	11,800.0	11,457.4	28.0	30.8	69.50	-1,274.6	-1,625.0	907.7	855.5	52.23	17.378	
12,129.1	11,736.0	11,806.0	11,458.8	28.0	30.9	69.61	-1,280.4	-1,625.0	907.4	855.2	52.26	17.364	
12,200.0	11,736.0	11,850.0	11,466.3	28.1	30.9	70.05	-1,323.7	-1,624.7	903.1	850.7	52.45	17.217	
12,300.0	11,736.0	11,909.8	11,470.0	28.2	30.9	70.28	-1,383.4	-1,624.3	900.9	848.2	52.72	17.089	
12,334.0	11,736.0	11,942.2	11,470.0	28.2	31.0	70.28	-1,415.7	-1,624.1	900.9	848.0	52.86	17.044	
12,400.0	11,736.0	12,008.2	11,470.0	28.3	31.0	70.28	-1,481.7	-1,623.7	900.9	847.7	53.14	16.953	
12,500.0	11,736.0	12,108.2	11,470.0	28.4	31.2	70.28	-1,581.7	-1,623.0	900.9	847.3	53.61	16.804	
12,600.0	11,736.0	12,208.2	11,470.0	28.5	31.3	70.28	-1,681.7	-1,622.4	900.9	846.8	54.12	16.646	
12,700.0	11,736.0	12,308.2	11,470.0	28.7	31.4	70.28	-1,781.7	-1,621.7	900.9	846.2	54.67	16.480	
12,800.0	11,736.0	12,408.2	11,470.0	28.9	31.6	70.28	-1,881.7	-1,621.1	900.9	845.6	55.25	16.306	
12,900.0	11,736.0	12,508.2	11,470.0	29.1	31.8	70.28	-1,981.7	-1,620.4	900.9	845.0	55.87	16.126	
13,000.0	11,736.0	12,608.2	11,470.0	29.3	32.0	70.28	-2,081.7	-1,619.8	900.9	844.4	56.52	15.940	
13,100.0	11,736.0	12,708.2	11,470.0	29.5	32.3	70.28	-2,181.7	-1,619.1	900.9	843.7	57.20	15.749	
13,200.0	11,736.0	12,808.2	11,470.0	29.8	32.5	70.28	-2,281.7	-1,618.4	900.9	843.0	57.92	15.555	
13,300.0	11,736.0	12,908.2	11,470.0	30.0	32.8	70.28	-2,381.7	-1,617.8	900.9	842.2	58.66	15.357	
13,400.0	11,736.0	13,008.2	11,470.0	30.3	33.1	70.28	-2,481.7	-1,617.1	900.9	841.4	59.44	15.156	
13,500.0	11,736.0	13,108.2	11,470.0	30.7	33.4	70.28	-2,581.7	-1,616.5	900.9	840.6	60.24	14.954	
13,600.0	11,736.0	13,208.2	11,470.0	31.0	33.7	70.28	-2,681.7	-1,615.8	900.9	839.8	61.07	14.751	
13,700.0	11,736.0	13,308.2	11,470.0	31.4	34.0	70.28	-2,781.7	-1,615.2	900.9	838.9	61.93	14.547	
13,800.0	11,736.0	13,408.2	11,470.0	31.7	34.4	70.28	-2,881.7	-1,614.5	900.9	838.1	62.81	14.343	
13,900.0	11,736.0	13,508.2	11,470.0	32.1	34.7	70.28	-2,981.7	-1,613.9	900.9	837.2	63.72	14.139	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11160-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
14,000.0	11,736.0	13,608.2	11,470.0	32.5	35.1	70.28	-3,081.7	-1,613.2	900.9	836.2	64.64	13.936	
14,100.0	11,736.0	13,708.2	11,470.0	33.0	35.5	70.28	-3,181.7	-1,612.6	900.9	835.3	65.59	13.734	
14,200.0	11,736.0	13,808.2	11,470.0	33.4	35.9	70.28	-3,281.7	-1,611.9	900.9	834.3	66.56	13.534	
14,300.0	11,736.0	13,908.2	11,470.0	33.9	36.3	70.28	-3,381.7	-1,611.3	900.9	833.3	67.55	13.336	
14,400.0	11,736.0	14,008.2	11,470.0	34.4	36.8	70.28	-3,481.7	-1,610.6	900.9	832.3	68.56	13.139	
14,500.0	11,736.0	14,108.2	11,470.0	34.9	37.2	70.28	-3,581.7	-1,610.0	900.9	831.3	69.59	12.945	
14,600.0	11,736.0	14,208.2	11,470.0	35.4	37.7	70.28	-3,681.7	-1,609.3	900.9	830.2	70.64	12.754	
14,700.0	11,736.0	14,308.2	11,470.0	35.9	38.2	70.28	-3,781.7	-1,608.7	900.9	829.2	71.70	12.565	
14,800.0	11,736.0	14,408.2	11,470.0	36.4	38.6	70.28	-3,881.7	-1,608.0	900.9	828.1	72.78	12.379	
14,900.0	11,736.0	14,508.2	11,470.0	37.0	39.1	70.28	-3,981.7	-1,607.4	900.9	827.0	73.87	12.195	
15,000.0	11,736.0	14,608.2	11,470.0	37.5	39.6	70.28	-4,081.7	-1,606.7	900.9	825.9	74.98	12.015	
15,100.0	11,736.0	14,708.2	11,470.0	38.1	40.2	70.28	-4,181.7	-1,606.1	900.9	824.8	76.10	11.838	
15,200.0	11,736.0	14,808.2	11,470.0	38.7	40.7	70.28	-4,281.7	-1,605.4	900.9	823.6	77.23	11.664	
15,300.0	11,736.0	14,908.2	11,470.0	39.2	41.2	70.28	-4,381.7	-1,604.8	900.9	822.5	78.38	11.493	
15,400.0	11,736.0	15,008.2	11,470.0	39.8	41.8	70.28	-4,481.7	-1,604.1	900.9	821.3	79.54	11.326	
15,500.0	11,736.0	15,108.2	11,470.0	40.4	42.3	70.28	-4,581.7	-1,603.5	900.9	820.2	80.71	11.161	
15,600.0	11,736.0	15,208.2	11,470.0	41.0	42.9	70.28	-4,681.7	-1,602.8	900.9	819.0	81.90	11.000	
15,700.0	11,736.0	15,308.2	11,470.0	41.7	43.4	70.28	-4,781.7	-1,602.2	900.9	817.8	83.09	10.842	
15,800.0	11,736.0	15,408.2	11,470.0	42.3	44.0	70.28	-4,881.7	-1,601.5	900.9	816.6	84.29	10.687	
15,900.0	11,736.0	15,508.2	11,470.0	42.9	44.6	70.28	-4,981.7	-1,600.9	900.9	815.4	85.51	10.536	
16,000.0	11,736.0	15,608.2	11,470.0	43.5	45.2	70.28	-5,081.7	-1,600.2	900.9	814.1	86.73	10.387	
16,100.0	11,736.0	15,708.2	11,470.0	44.2	45.7	70.28	-5,181.7	-1,599.6	900.9	812.9	87.96	10.242	
16,200.0	11,736.0	15,808.2	11,470.0	44.8	46.3	70.28	-5,281.7	-1,598.9	900.9	811.7	89.20	10.099	
16,300.0	11,736.0	15,908.2	11,470.0	45.4	46.9	70.28	-5,381.7	-1,598.3	900.9	810.4	90.45	9.960	
16,400.0	11,736.0	16,008.2	11,470.0	46.1	47.5	70.28	-5,481.7	-1,597.6	900.9	809.2	91.71	9.824	
16,500.0	11,736.0	16,108.2	11,470.0	46.7	48.1	70.28	-5,581.7	-1,597.0	900.9	807.9	92.97	9.690	
16,600.0	11,736.0	16,208.2	11,470.0	47.4	48.8	70.28	-5,681.7	-1,596.3	900.9	806.6	94.24	9.559	
16,700.0	11,736.0	16,308.2	11,470.0	48.1	49.4	70.28	-5,781.7	-1,595.6	900.9	805.3	95.52	9.431	
16,800.0	11,736.0	16,408.2	11,470.0	48.7	50.0	70.28	-5,881.7	-1,595.0	900.9	804.1	96.80	9.306	
16,900.0	11,736.0	16,508.2	11,470.0	49.4	50.6	70.28	-5,981.7	-1,594.3	900.9	802.8	98.10	9.184	
17,000.0	11,736.0	16,608.2	11,470.0	50.1	51.3	70.28	-6,081.7	-1,593.7	900.9	801.5	99.39	9.064	
17,100.0	11,736.0	16,708.2	11,470.0	50.7	51.9	70.28	-6,181.6	-1,593.0	900.9	800.2	100.70	8.946	
17,200.0	11,736.0	16,808.2	11,470.0	51.4	52.5	70.28	-6,281.6	-1,592.4	900.9	798.9	102.01	8.831	
17,300.0	11,736.0	16,908.2	11,470.0	52.1	53.2	70.28	-6,381.6	-1,591.7	900.9	797.5	103.32	8.719	
17,400.0	11,736.0	17,008.2	11,470.0	52.8	53.8	70.28	-6,481.6	-1,591.1	900.9	796.2	104.64	8.609	
17,500.0	11,736.0	17,108.2	11,470.0	53.4	54.5	70.28	-6,581.6	-1,590.4	900.9	794.9	105.97	8.501	
17,600.0	11,736.0	17,208.2	11,470.0	54.1	55.1	70.28	-6,681.6	-1,589.8	900.9	793.6	107.30	8.396	
17,700.0	11,736.0	17,308.2	11,470.0	54.8	55.8	70.28	-6,781.6	-1,589.1	900.9	792.2	108.63	8.293	
17,800.0	11,736.0	17,408.2	11,470.0	55.5	56.4	70.28	-6,881.6	-1,588.5	900.9	790.9	109.97	8.192	
17,900.0	11,736.0	17,508.2	11,470.0	56.2	57.1	70.28	-6,981.6	-1,587.8	900.9	789.5	111.31	8.093	
18,000.0	11,736.0	17,608.2	11,470.0	56.9	57.7	70.28	-7,081.6	-1,587.2	900.9	788.2	112.66	7.996	
18,100.0	11,736.0	17,708.2	11,470.0	57.6	58.4	70.28	-7,181.6	-1,586.5	900.9	786.8	114.01	7.901	
18,200.0	11,736.0	17,808.2	11,470.0	58.3	59.1	70.28	-7,281.6	-1,585.9	900.9	785.5	115.37	7.808	
18,300.0	11,736.0	17,908.2	11,470.0	59.0	59.7	70.28	-7,381.6	-1,585.2	900.9	784.1	116.73	7.717	
18,400.0	11,736.0	18,008.2	11,470.0	59.7	60.4	70.28	-7,481.6	-1,584.6	900.9	782.8	118.09	7.628	
18,500.0	11,736.0	18,108.2	11,470.0	60.4	61.1	70.28	-7,581.6	-1,583.9	900.9	781.4	119.46	7.541	
18,600.0	11,736.0	18,208.2	11,470.0	61.1	61.8	70.28	-7,681.6	-1,583.3	900.9	780.0	120.83	7.456	
18,700.0	11,736.0	18,308.2	11,470.0	61.8	62.5	70.28	-7,781.6	-1,582.6	900.9	778.7	122.20	7.372	
18,800.0	11,736.0	18,408.2	11,470.0	62.5	63.1	70.28	-7,881.6	-1,582.0	900.9	777.3	123.58	7.290	
18,900.0	11,736.0	18,508.2	11,470.0	63.2	63.8	70.28	-7,981.6	-1,581.3	900.9	775.9	124.96	7.209	
19,000.0	11,736.0	18,608.2	11,470.0	63.9	64.5	70.28	-8,081.6	-1,580.7	900.9	774.5	126.34	7.130	
19,100.0	11,736.0	18,708.2	11,470.0	64.6	65.2	70.28	-8,181.6	-1,580.0	900.9	773.1	127.73	7.053	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #763H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11160-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance			Rule Assigned:	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	11,736.0	18,808.2	11,470.0	65.4	65.9	70.28	-8,281.6	-1,579.4	900.9	771.7	129.12	6.977	
19,300.0	11,736.0	18,908.2	11,470.0	66.1	66.6	70.28	-8,381.6	-1,578.7	900.9	770.3	130.51	6.903	
19,400.0	11,736.0	19,008.2	11,470.0	66.8	67.3	70.28	-8,481.6	-1,578.1	900.9	769.0	131.90	6.830	
19,500.0	11,736.0	19,108.2	11,470.0	67.5	67.9	70.28	-8,581.6	-1,577.4	900.9	767.6	133.30	6.758	
19,600.0	11,736.0	19,208.2	11,470.0	68.2	68.6	70.28	-8,681.6	-1,576.8	900.9	766.2	134.70	6.688	
19,700.0	11,736.0	19,308.2	11,470.0	68.9	69.3	70.28	-8,781.6	-1,576.1	900.9	764.8	136.10	6.619	
19,800.0	11,736.0	19,408.2	11,470.0	69.7	70.0	70.28	-8,881.6	-1,575.5	900.9	763.3	137.50	6.551	
19,900.0	11,736.0	19,508.2	11,470.0	70.4	70.7	70.28	-8,981.6	-1,574.8	900.9	761.9	138.91	6.485	
20,000.0	11,736.0	19,608.2	11,470.0	71.1	71.4	70.28	-9,081.6	-1,574.2	900.9	760.5	140.32	6.420	
20,100.0	11,736.0	19,708.2	11,470.0	71.8	72.1	70.28	-9,181.6	-1,573.5	900.9	759.1	141.73	6.356	
20,200.0	11,736.0	19,808.2	11,470.0	72.5	72.8	70.28	-9,281.6	-1,572.9	900.9	757.7	143.14	6.293	
20,300.0	11,736.0	19,908.2	11,470.0	73.3	73.5	70.28	-9,381.6	-1,572.2	900.9	756.3	144.56	6.232	
20,400.0	11,736.0	20,008.2	11,470.0	74.0	74.2	70.28	-9,481.6	-1,571.5	900.9	754.9	145.97	6.171	
20,500.0	11,736.0	20,108.2	11,470.0	74.7	74.9	70.28	-9,581.6	-1,570.9	900.9	753.5	147.39	6.112	
20,600.0	11,736.0	20,208.2	11,470.0	75.5	75.7	70.28	-9,681.6	-1,570.2	900.9	752.0	148.81	6.054	
20,700.0	11,736.0	20,308.2	11,470.0	76.2	76.4	70.28	-9,781.6	-1,569.6	900.9	750.6	150.23	5.996	
20,800.0	11,736.0	20,408.2	11,470.0	76.9	77.1	70.28	-9,881.6	-1,568.9	900.8	749.2	151.65	5.940	
20,900.0	11,736.0	20,508.2	11,470.0	77.6	77.8	70.28	-9,981.6	-1,568.3	900.8	747.8	153.08	5.885	
20,975.9	11,736.0	20,584.1	11,470.0	78.2	78.3	70.28	-10,057.5	-1,567.8	900.8	746.7	154.16	5.844	
21,000.0	11,736.0	20,608.2	11,470.0	78.4	78.5	70.28	-10,081.6	-1,567.6	900.8	746.3	154.50	5.831	
21,025.1	11,736.0	20,633.3	11,470.0	78.5	78.7	70.28	-10,106.7	-1,567.5	900.8	746.0	154.86	5.817	
21,026.0	11,736.0	20,633.8	11,470.0	78.5	78.7	70.28	-10,107.2	-1,567.5	900.8	746.0	154.87	5.817 ES, SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,000.0	5,883.9	6,323.8	6,157.5	23.2	25.4	37.40	-797.5	-1,674.8	989.0	945.2	43.77	22.596	
6,100.0	5,982.7	6,417.0	6,247.1	23.7	25.9	36.89	-807.9	-1,651.2	953.0	908.5	44.54	21.395	
6,200.0	6,081.7	6,510.6	6,337.1	24.1	26.3	36.31	-818.3	-1,627.6	918.4	873.1	45.32	20.266	
6,300.0	6,180.9	6,604.7	6,427.6	24.5	26.8	35.65	-828.7	-1,603.9	885.1	839.0	46.08	19.208	
6,400.0	6,280.3	6,699.1	6,518.3	24.9	27.2	34.89	-839.2	-1,580.1	853.3	806.4	46.84	18.218	
6,500.0	6,380.0	6,793.9	6,609.5	25.3	27.7	34.03	-849.8	-1,556.2	822.9	775.3	47.58	17.294	
6,600.0	6,479.7	6,889.0	6,700.9	25.7	28.2	33.07	-860.4	-1,532.2	794.0	745.7	48.31	16.436	
6,700.0	6,579.6	6,984.4	6,792.6	26.0	28.7	31.98	-871.0	-1,508.1	766.7	717.6	49.02	15.641	
6,800.0	6,679.5	7,080.1	6,884.6	26.3	29.1	30.78	-881.6	-1,484.0	741.0	691.3	49.70	14.910	
6,900.0	6,779.5	7,176.0	6,976.7	26.6	29.6	29.45	-892.3	-1,459.8	717.0	666.7	50.33	14.247	
6,956.1	6,835.6	7,229.9	7,028.6	26.6	29.9	-104.36	-898.2	-1,446.2	704.4	653.8	50.61	13.918	
7,000.0	6,879.5	7,272.1	7,069.1	26.6	30.1	-104.97	-902.9	-1,435.5	694.8	644.0	50.79	13.680	
7,100.0	6,979.5	7,368.2	7,161.5	26.7	30.6	-106.41	-913.6	-1,411.3	673.2	622.0	51.19	13.150	
7,200.0	7,079.5	7,464.4	7,253.9	26.7	31.0	-107.95	-924.3	-1,387.0	652.0	600.4	51.56	12.645	
7,300.0	7,179.5	7,560.5	7,346.3	26.7	31.5	-109.58	-935.0	-1,362.8	631.3	579.4	51.90	12.164	
7,400.0	7,279.5	7,656.6	7,438.7	26.7	32.0	-111.32	-945.7	-1,338.5	611.2	559.0	52.20	11.708	
7,500.0	7,379.5	7,752.7	7,531.1	26.7	32.5	-113.18	-956.4	-1,314.3	591.7	539.2	52.46	11.278	
7,600.0	7,479.5	7,842.2	7,617.2	26.8	32.9	-114.97	-966.1	-1,292.1	573.1	520.4	52.72	10.872	
7,700.0	7,579.5	7,928.0	7,700.4	26.8	33.4	-116.62	-974.6	-1,272.9	557.0	504.0	52.96	10.517	
7,800.0	7,679.5	8,015.0	7,785.4	26.8	33.8	-118.15	-982.1	-1,255.8	543.3	490.2	53.15	10.221	
7,900.0	7,779.5	8,100.0	7,868.9	26.8	34.2	-119.49	-988.5	-1,241.4	532.0	478.6	53.32	9.977	
8,000.0	7,879.5	8,192.2	7,960.0	26.8	34.6	-120.75	-994.3	-1,228.3	522.8	469.3	53.44	9.783	
8,100.0	7,979.5	8,282.1	8,049.2	26.9	35.0	-121.76	-998.7	-1,218.1	515.6	462.1	53.55	9.629	
8,200.0	8,079.5	8,372.5	8,139.2	26.9	35.4	-122.54	-1,002.1	-1,210.4	510.4	456.8	53.65	9.514	
8,300.0	8,179.5	8,463.4	8,230.0	26.9	35.7	-123.06	-1,004.4	-1,205.4	507.1	453.3	53.76	9.432	
8,400.0	8,279.5	8,554.6	8,321.1	26.9	35.9	-123.31	-1,005.4	-1,202.9	505.5	451.6	53.84	9.389	
8,457.0	8,336.5	8,608.0	8,374.5	26.9	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.5	53.88	9.380	
8,500.0	8,379.5	8,651.0	8,417.5	27.0	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.4	53.89	9.377	
8,600.0	8,479.5	8,751.0	8,517.5	27.0	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.4	53.94	9.369	
8,700.0	8,579.5	8,851.0	8,617.5	27.0	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.4	53.98	9.362	
8,800.0	8,679.5	8,951.0	8,717.5	27.0	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.3	54.02	9.354	
8,900.0	8,779.5	9,051.0	8,817.5	27.0	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.3	54.07	9.346	
9,000.0	8,879.5	9,151.0	8,917.5	27.1	36.0	-123.33	-1,005.5	-1,202.7	505.3	451.2	54.11	9.338	
9,100.0	8,979.5	9,251.0	9,017.5	27.1	36.1	-123.33	-1,005.5	-1,202.7	505.3	451.2	54.16	9.331	
9,200.0	9,079.5	9,351.0	9,117.5	27.1	36.1	-123.33	-1,005.5	-1,202.7	505.3	451.1	54.20	9.323	
9,300.0	9,179.5	9,451.0	9,217.5	27.1	36.1	-123.33	-1,005.5	-1,202.7	505.3	451.1	54.25	9.315	
9,400.0	9,279.5	9,551.0	9,317.5	27.2	36.1	-123.33	-1,005.5	-1,202.7	505.3	451.0	54.30	9.307	
9,500.0	9,379.5	9,651.0	9,417.5	27.2	36.1	-123.33	-1,005.5	-1,202.7	505.3	451.0	54.34	9.299	
9,600.0	9,479.5	9,751.0	9,517.5	27.2	36.1	-123.33	-1,005.5	-1,202.7	505.3	450.9	54.39	9.291	
9,700.0	9,579.5	9,851.0	9,617.5	27.2	36.2	-123.33	-1,005.5	-1,202.7	505.3	450.9	54.44	9.282	
9,800.0	9,679.5	9,951.0	9,717.5	27.3	36.2	-123.33	-1,005.5	-1,202.7	505.3	450.8	54.49	9.274	
9,900.0	9,779.5	10,051.0	9,817.5	27.3	36.2	-123.33	-1,005.5	-1,202.7	505.3	450.8	54.54	9.266	
10,000.0	9,879.5	10,151.0	9,917.5	27.3	36.2	-123.33	-1,005.5	-1,202.7	505.3	450.8	54.59	9.258	
10,100.0	9,979.5	10,251.0	10,017.5	27.3	36.2	-123.33	-1,005.5	-1,202.7	505.3	450.7	54.64	9.249	
10,200.0	10,079.5	10,351.0	10,117.5	27.4	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.7	54.69	9.241	
10,300.0	10,179.5	10,451.0	10,217.5	27.4	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.6	54.74	9.232	
10,400.0	10,279.5	10,551.0	10,317.5	27.4	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.5	54.79	9.223	
10,500.0	10,379.5	10,651.0	10,417.5	27.4	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.5	54.84	9.215	
10,600.0	10,479.5	10,751.0	10,517.5	27.5	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.4	54.89	9.206	
10,700.0	10,579.5	10,851.0	10,617.5	27.5	36.3	-123.33	-1,005.5	-1,202.7	505.3	450.4	54.94	9.197	
10,800.0	10,679.5	10,951.0	10,717.5	27.5	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.3	55.00	9.188	
10,900.0	10,779.5	11,051.0	10,817.5	27.6	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.3	55.05	9.180	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
11,000.0	10,879.5	11,151.0	10,917.5	27.6	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.2	55.10	9.171	
11,100.0	10,979.5	11,251.0	11,017.5	27.6	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.2	55.16	9.162	
11,200.0	11,079.5	11,351.0	11,117.5	27.6	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.1	55.21	9.153	
11,210.0	11,089.5	11,361.0	11,127.5	27.6	36.4	-123.33	-1,005.5	-1,202.7	505.3	450.1	55.22	9.152	
11,300.0	11,179.5	11,425.0	11,191.5	27.7	36.5	-123.45	-1,006.7	-1,202.7	506.7	451.6	55.11	9.193	
11,379.1	11,258.5	11,475.0	11,241.1	27.7	36.5	-124.03	-1,012.9	-1,202.7	512.4	457.5	54.94	9.326	
11,400.0	11,279.5	11,491.1	11,256.9	27.7	36.5	55.88	-1,016.0	-1,202.6	514.4	459.8	54.67	9.410	
11,425.0	11,304.4	11,506.4	11,271.8	27.7	36.5	55.44	-1,019.4	-1,202.6	516.6	462.0	54.60	9.462	
11,450.0	11,329.2	11,525.0	11,289.7	27.7	36.5	55.02	-1,024.2	-1,202.6	518.6	464.0	54.55	9.506	
11,475.0	11,353.8	11,536.9	11,301.2	27.7	36.5	54.74	-1,027.6	-1,202.6	520.2	465.7	54.50	9.545	
11,500.0	11,378.2	11,550.0	11,313.6	27.7	36.5	54.49	-1,031.7	-1,202.5	521.6	467.1	54.46	9.577	
11,525.0	11,402.2	11,567.4	11,329.9	27.7	36.5	54.27	-1,037.7	-1,202.5	522.7	468.2	54.44	9.601	
11,550.0	11,425.8	11,582.6	11,344.0	27.7	36.5	54.12	-1,043.4	-1,202.5	523.4	469.0	54.42	9.618	
11,575.0	11,449.0	11,600.0	11,359.9	27.7	36.5	54.03	-1,050.5	-1,202.4	523.9	469.5	54.42	9.628	
11,600.0	11,471.7	11,613.0	11,371.6	27.7	36.5	54.00	-1,056.2	-1,202.4	524.1	469.7	54.41	9.632	
11,625.0	11,493.7	11,625.0	11,382.2	27.7	36.5	54.02	-1,061.7	-1,202.3	524.0	469.6	54.41	9.630	
11,650.0	11,515.2	11,643.4	11,398.3	27.7	36.5	54.10	-1,070.7	-1,202.3	523.6	469.1	54.43	9.618	
11,675.0	11,535.9	11,658.6	11,411.3	27.8	36.5	54.24	-1,078.5	-1,202.2	522.8	468.4	54.45	9.601	
11,700.0	11,555.8	11,675.0	11,425.0	27.8	36.5	54.44	-1,087.5	-1,202.2	521.8	467.3	54.49	9.577	
11,725.0	11,575.0	11,689.0	11,436.6	27.8	36.5	54.68	-1,095.5	-1,202.1	520.5	466.0	54.52	9.547	
11,750.0	11,593.3	11,700.0	11,445.4	27.8	36.5	54.94	-1,102.0	-1,202.1	518.9	464.4	54.55	9.514	
11,775.0	11,610.6	11,719.6	11,460.7	27.8	36.5	55.36	-1,114.1	-1,202.0	517.0	462.4	54.61	9.467	
11,800.0	11,627.0	11,734.8	11,472.4	27.8	36.5	55.78	-1,124.0	-1,201.9	514.9	460.2	54.67	9.418	
11,825.0	11,642.4	11,750.0	11,483.6	27.8	36.5	56.27	-1,134.2	-1,201.9	512.5	457.7	54.74	9.363	
11,850.0	11,656.7	11,765.5	11,494.8	27.8	36.5	56.81	-1,145.0	-1,201.8	509.8	455.0	54.81	9.301	
11,875.0	11,670.0	11,780.9	11,505.5	27.9	36.5	57.42	-1,156.1	-1,201.7	506.9	452.0	54.90	9.234	
11,900.0	11,682.1	11,800.0	11,518.3	27.9	36.5	58.16	-1,170.2	-1,201.6	503.8	448.8	55.00	9.160	
11,925.0	11,693.1	11,811.8	11,525.9	27.9	36.5	58.80	-1,179.3	-1,201.6	500.4	445.4	55.09	9.084	
11,950.0	11,702.8	11,825.0	11,534.2	27.9	36.5	59.52	-1,189.5	-1,201.5	496.9	441.7	55.19	9.004	
11,975.0	11,711.4	11,843.0	11,544.9	27.9	36.5	60.43	-1,203.9	-1,201.4	493.2	437.9	55.33	8.914	
12,000.0	11,718.7	11,858.6	11,553.9	27.9	36.5	61.34	-1,216.8	-1,201.3	489.3	433.9	55.46	8.823	
12,025.0	11,724.7	11,875.0	11,562.8	28.0	36.6	62.32	-1,230.5	-1,201.2	485.3	429.7	55.61	8.727	
12,050.0	11,729.5	11,890.2	11,570.6	28.0	36.6	63.33	-1,243.5	-1,201.2	481.2	425.4	55.77	8.628	
12,075.0	11,732.9	11,906.1	11,578.3	28.0	36.6	64.41	-1,257.4	-1,201.1	477.0	421.1	55.95	8.526	
12,100.0	11,735.1	11,925.0	11,586.9	28.0	36.6	65.68	-1,274.2	-1,201.0	472.8	416.6	56.15	8.419	
12,125.0	11,736.0	11,938.1	11,592.5	28.0	36.6	66.75	-1,286.1	-1,200.9	468.5	412.1	56.34	8.314	
12,129.1	11,736.0	11,940.7	11,593.6	28.0	36.6	66.95	-1,288.5	-1,200.9	467.8	411.4	56.38	8.296	
12,200.0	11,736.0	11,988.5	11,610.8	28.1	36.6	68.95	-1,333.0	-1,200.6	457.5	400.5	56.97	8.031	
12,300.0	11,736.0	12,061.3	11,628.3	28.2	36.7	71.04	-1,403.6	-1,200.1	449.0	391.3	57.69	7.783	
12,400.0	11,736.0	12,138.0	11,635.0	28.3	36.7	71.85	-1,479.9	-1,199.6	446.2	388.0	58.19	7.668	
12,404.4	11,736.0	12,141.5	11,635.0	28.3	36.7	71.85	-1,483.4	-1,199.6	446.2	388.0	58.21	7.666 CC	
12,500.0	11,736.0	12,237.0	11,635.0	28.4	36.8	71.85	-1,579.0	-1,199.0	446.2	387.6	58.61	7.613	
12,600.0	11,736.0	12,337.0	11,635.0	28.5	36.9	71.85	-1,679.0	-1,198.3	446.2	387.1	59.07	7.554	
12,700.0	11,736.0	12,437.0	11,635.0	28.7	37.0	71.85	-1,779.0	-1,197.7	446.2	386.6	59.56	7.492	
12,800.0	11,736.0	12,537.0	11,635.0	28.9	37.2	71.85	-1,879.0	-1,197.0	446.2	386.1	60.09	7.426	
12,900.0	11,736.0	12,637.0	11,635.0	29.1	37.3	71.85	-1,979.0	-1,196.4	446.2	385.6	60.65	7.357	
13,000.0	11,736.0	12,737.0	11,635.0	29.3	37.5	71.85	-2,079.0	-1,195.7	446.2	385.0	61.24	7.286	
13,100.0	11,736.0	12,837.0	11,635.0	29.5	37.7	71.85	-2,179.0	-1,195.1	446.2	384.3	61.86	7.213	
13,200.0	11,736.0	12,937.0	11,635.0	29.8	37.9	71.85	-2,279.0	-1,194.4	446.2	383.7	62.52	7.137	
13,300.0	11,736.0	13,037.0	11,635.0	30.0	38.1	71.85	-2,379.0	-1,193.8	446.2	383.0	63.20	7.060	
13,400.0	11,736.0	13,137.0	11,635.0	30.3	38.3	71.85	-2,479.0	-1,193.1	446.2	382.3	63.92	6.981	
13,500.0	11,736.0	13,237.0	11,635.0	30.7	38.6	71.85	-2,579.0	-1,192.5	446.2	381.5	64.66	6.901	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK_1500-r.5 MWD+IFR1_11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
13,600.0	11,736.0	13,337.0	11,635.0	31.0	38.8	71.85	-2,679.0	-1,191.8	446.2	380.8	65.42	6.820	
13,700.0	11,736.0	13,437.0	11,635.0	31.4	39.1	71.85	-2,779.0	-1,191.2	446.2	380.0	66.22	6.739	
13,800.0	11,736.0	13,537.0	11,635.0	31.7	39.4	71.85	-2,879.0	-1,190.5	446.2	379.2	67.03	6.656	
13,900.0	11,736.0	13,637.0	11,635.0	32.1	39.7	71.85	-2,979.0	-1,189.9	446.2	378.3	67.88	6.574	
14,000.0	11,736.0	13,737.0	11,635.0	32.5	40.0	71.85	-3,079.0	-1,189.2	446.2	377.5	68.74	6.491	
14,100.0	11,736.0	13,837.0	11,635.0	33.0	40.4	71.85	-3,178.9	-1,188.6	446.2	376.6	69.63	6.409	
14,200.0	11,736.0	13,937.0	11,635.0	33.4	40.7	71.85	-3,278.9	-1,187.9	446.2	375.7	70.53	6.326	
14,300.0	11,736.0	14,037.0	11,635.0	33.9	41.1	71.85	-3,378.9	-1,187.3	446.2	374.7	71.46	6.244	
14,400.0	11,736.0	14,137.0	11,635.0	34.4	41.5	71.85	-3,478.9	-1,186.6	446.2	373.8	72.41	6.162	
14,500.0	11,736.0	14,237.0	11,635.0	34.9	41.9	71.85	-3,578.9	-1,186.0	446.2	372.8	73.38	6.081	
14,600.0	11,736.0	14,337.0	11,635.0	35.4	42.3	71.85	-3,678.9	-1,185.3	446.2	371.8	74.36	6.000	
14,700.0	11,736.0	14,437.0	11,635.0	35.9	42.7	71.85	-3,778.9	-1,184.7	446.2	370.8	75.37	5.921	
14,800.0	11,736.0	14,537.0	11,635.0	36.4	43.1	71.85	-3,878.9	-1,184.0	446.2	369.8	76.39	5.841	
14,900.0	11,736.0	14,637.0	11,635.0	37.0	43.5	71.85	-3,978.9	-1,183.4	446.2	368.8	77.42	5.763	
15,000.0	11,736.0	14,737.0	11,635.0	37.5	44.0	71.85	-4,078.9	-1,182.7	446.2	367.7	78.47	5.686	
15,100.0	11,736.0	14,837.0	11,635.0	38.1	44.4	71.85	-4,178.9	-1,182.1	446.2	366.7	79.54	5.610	
15,200.0	11,736.0	14,937.0	11,635.0	38.7	44.9	71.85	-4,278.9	-1,181.4	446.2	365.6	80.62	5.535	
15,300.0	11,736.0	15,037.0	11,635.0	39.2	45.4	71.85	-4,378.9	-1,180.8	446.2	364.5	81.71	5.461	
15,400.0	11,736.0	15,137.0	11,635.0	39.8	45.8	71.85	-4,478.9	-1,180.1	446.2	363.4	82.82	5.388	
15,500.0	11,736.0	15,237.0	11,635.0	40.4	46.3	71.85	-4,578.9	-1,179.5	446.2	362.3	83.94	5.316	
15,600.0	11,736.0	15,337.0	11,635.0	41.0	46.8	71.85	-4,678.9	-1,178.8	446.2	361.1	85.07	5.245	
15,700.0	11,736.0	15,437.0	11,635.0	41.7	47.3	71.85	-4,778.9	-1,178.1	446.2	360.0	86.21	5.176	
15,800.0	11,736.0	15,537.0	11,635.0	42.3	47.8	71.85	-4,878.9	-1,177.5	446.2	358.8	87.37	5.107	
15,900.0	11,736.0	15,637.0	11,635.0	42.9	48.4	71.85	-4,978.9	-1,176.8	446.2	357.7	88.53	5.040	
16,000.0	11,736.0	15,737.0	11,635.0	43.5	48.9	71.85	-5,078.9	-1,176.2	446.2	356.5	89.71	4.974	
16,100.0	11,736.0	15,837.0	11,635.0	44.2	49.4	71.85	-5,178.9	-1,175.5	446.2	355.3	90.89	4.909	
16,200.0	11,736.0	15,937.0	11,635.0	44.8	50.0	71.85	-5,278.9	-1,174.9	446.2	354.1	92.09	4.845	
16,300.0	11,736.0	16,037.0	11,635.0	45.4	50.5	71.85	-5,378.9	-1,174.2	446.2	352.9	93.29	4.783	
16,400.0	11,736.0	16,137.0	11,635.0	46.1	51.1	71.85	-5,478.9	-1,173.6	446.2	351.7	94.51	4.721	
16,500.0	11,736.0	16,237.0	11,635.0	46.7	51.6	71.85	-5,578.9	-1,172.9	446.2	350.5	95.73	4.661	
16,600.0	11,736.0	16,337.0	11,635.0	47.4	52.2	71.85	-5,678.9	-1,172.3	446.2	349.2	96.96	4.602	
16,700.0	11,736.0	16,437.0	11,635.0	48.1	52.8	71.85	-5,778.9	-1,171.6	446.2	348.0	98.20	4.544	
16,800.0	11,736.0	16,537.0	11,635.0	48.7	53.4	71.85	-5,878.9	-1,171.0	446.2	346.8	99.44	4.487	
16,900.0	11,736.0	16,637.0	11,635.0	49.4	53.9	71.85	-5,978.9	-1,170.3	446.2	345.5	100.69	4.431	
17,000.0	11,736.0	16,737.0	11,635.0	50.1	54.5	71.85	-6,078.9	-1,169.7	446.2	344.3	101.95	4.377	
17,100.0	11,736.0	16,837.0	11,635.0	50.7	55.1	71.85	-6,178.9	-1,169.0	446.2	343.0	103.22	4.323	
17,200.0	11,736.0	16,937.0	11,635.0	51.4	55.7	71.85	-6,278.9	-1,168.4	446.2	341.7	104.49	4.270	
17,300.0	11,736.0	17,037.0	11,635.0	52.1	56.3	71.85	-6,378.9	-1,167.7	446.2	340.4	105.77	4.219	
17,400.0	11,736.0	17,137.0	11,635.0	52.8	56.9	71.85	-6,478.9	-1,167.1	446.2	339.2	107.05	4.168	
17,500.0	11,736.0	17,237.0	11,635.0	53.4	57.5	71.85	-6,578.9	-1,166.4	446.2	337.9	108.34	4.118	
17,600.0	11,736.0	17,337.0	11,635.0	54.1	58.1	71.85	-6,678.9	-1,165.8	446.2	336.6	109.64	4.070	
17,700.0	11,736.0	17,437.0	11,635.0	54.8	58.7	71.85	-6,778.9	-1,165.1	446.2	335.3	110.94	4.022	
17,800.0	11,736.0	17,537.0	11,635.0	55.5	59.4	71.85	-6,878.9	-1,164.5	446.2	334.0	112.25	3.975	
17,900.0	11,736.0	17,637.0	11,635.0	56.2	60.0	71.85	-6,978.9	-1,163.8	446.2	332.6	113.56	3.929	
18,000.0	11,736.0	17,737.0	11,635.0	56.9	60.6	71.85	-7,078.9	-1,163.2	446.2	331.3	114.88	3.884	
18,100.0	11,736.0	17,837.0	11,635.0	57.6	61.2	71.85	-7,178.9	-1,162.5	446.2	330.0	116.20	3.840	
18,200.0	11,736.0	17,937.0	11,635.0	58.3	61.9	71.85	-7,278.9	-1,161.9	446.2	328.7	117.53	3.797	
18,300.0	11,736.0	18,037.0	11,635.0	59.0	62.5	71.85	-7,378.9	-1,161.2	446.2	327.4	118.86	3.754	
18,400.0	11,736.0	18,137.0	11,635.0	59.7	63.1	71.85	-7,478.9	-1,160.6	446.2	326.0	120.19	3.712	
18,500.0	11,736.0	18,237.0	11,635.0	60.4	63.8	71.85	-7,578.9	-1,159.9	446.2	324.7	121.53	3.672	
18,600.0	11,736.0	18,337.0	11,635.0	61.1	64.4	71.85	-7,678.9	-1,159.3	446.2	323.3	122.87	3.631	
18,700.0	11,736.0	18,437.0	11,635.0	61.8	65.1	71.85	-7,778.9	-1,158.6	446.2	322.0	124.22	3.592	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 1932 PROJECT - *ZIA HILLS UNIT 1932 WC #764H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_ADK, 1500-r.5 MWD+IFR1, 11391-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Offset Wellbore Centre		Distance		Rule Assigned:		Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,800.0	11,736.0	18,537.0	11,635.0	62.5	65.7	71.85	-7,878.8	-1,158.0	446.2	320.6	125.57	3.553	
18,900.0	11,736.0	18,637.0	11,635.0	63.2	66.4	71.85	-7,978.8	-1,157.3	446.2	319.3	126.92	3.516	
19,000.0	11,736.0	18,737.0	11,635.0	63.9	67.0	71.85	-8,078.8	-1,156.7	446.2	317.9	128.28	3.478	
19,100.0	11,736.0	18,837.0	11,635.0	64.6	67.7	71.85	-8,178.8	-1,156.0	446.2	316.6	129.64	3.442	
19,200.0	11,736.0	18,937.0	11,635.0	65.4	68.4	71.85	-8,278.8	-1,155.4	446.2	315.2	131.01	3.406	
19,300.0	11,736.0	19,037.0	11,635.0	66.1	69.0	71.85	-8,378.8	-1,154.7	446.2	313.8	132.37	3.371	
19,400.0	11,736.0	19,137.0	11,635.0	66.8	69.7	71.85	-8,478.8	-1,154.1	446.2	312.5	133.74	3.336	
19,500.0	11,736.0	19,237.0	11,635.0	67.5	70.3	71.85	-8,578.8	-1,153.4	446.2	311.1	135.12	3.302	
19,600.0	11,736.0	19,337.0	11,635.0	68.2	71.0	71.85	-8,678.8	-1,152.8	446.2	309.7	136.49	3.269	
19,700.0	11,736.0	19,437.0	11,635.0	68.9	71.7	71.85	-8,778.8	-1,152.1	446.2	308.3	137.87	3.236	
19,800.0	11,736.0	19,537.0	11,635.0	69.7	72.3	71.85	-8,878.8	-1,151.5	446.2	307.0	139.25	3.204	
19,900.0	11,736.0	19,637.0	11,635.0	70.4	73.0	71.85	-8,978.8	-1,150.8	446.2	305.6	140.64	3.173	
20,000.0	11,736.0	19,737.0	11,635.0	71.1	73.7	71.85	-9,078.8	-1,150.2	446.2	304.2	142.02	3.142	
20,100.0	11,736.0	19,837.0	11,635.0	71.8	74.4	71.85	-9,178.8	-1,149.5	446.2	302.8	143.41	3.111	
20,200.0	11,736.0	19,937.0	11,635.0	72.5	75.1	71.85	-9,278.8	-1,148.9	446.2	301.4	144.80	3.081	
20,300.0	11,736.0	20,037.0	11,635.0	73.3	75.7	71.85	-9,378.8	-1,148.2	446.2	300.0	146.20	3.052	
20,400.0	11,736.0	20,137.0	11,635.0	74.0	76.4	71.85	-9,478.8	-1,147.6	446.2	298.6	147.59	3.023	
20,500.0	11,736.0	20,237.0	11,635.0	74.7	77.1	71.85	-9,578.8	-1,146.9	446.2	297.2	148.99	2.995	
20,600.0	11,736.0	20,337.0	11,635.0	75.5	77.8	71.85	-9,678.8	-1,146.3	446.2	295.8	150.39	2.967	
20,700.0	11,736.0	20,437.0	11,635.0	76.2	78.5	71.85	-9,778.8	-1,145.6	446.2	294.4	151.80	2.940	
20,800.0	11,736.0	20,537.0	11,635.0	76.9	79.2	71.85	-9,878.8	-1,145.0	446.2	293.0	153.20	2.913	
20,900.0	11,736.0	20,637.0	11,635.0	77.6	79.8	71.85	-9,978.8	-1,144.3	446.2	291.6	154.61	2.886	
20,975.9	11,736.0	20,713.0	11,635.0	78.2	80.4	71.85	-10,054.7	-1,143.8	446.2	290.5	155.68	2.866	
21,000.0	11,736.0	20,737.0	11,635.0	78.4	80.5	71.85	-10,078.8	-1,143.6	446.2	290.2	156.01	2.860	
21,026.0	11,736.0	20,763.0	11,635.0	78.5	80.7	71.85	-10,104.8	-1,143.5	446.2	289.8	156.38	2.853 ES, SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	33.42	167.4	110.5	200.6	193.6	6.98	28.732	
100.0	100.0	100.0	100.0	3.1	3.1	33.42	167.4	110.5	200.6	193.3	7.23	27.752	
200.0	200.0	200.0	200.0	3.2	3.2	33.42	167.4	110.5	200.6	193.1	7.47	26.852	
300.0	300.0	300.0	300.0	3.4	3.4	33.42	167.4	110.5	200.6	192.9	7.71	26.022	
400.0	400.0	400.0	400.0	3.5	3.5	33.42	167.4	110.5	200.6	192.6	7.94	25.251	
500.0	500.0	500.0	500.0	3.6	3.6	33.42	167.4	110.5	200.6	192.4	8.18	24.534	
600.0	600.0	600.0	600.0	3.7	3.7	33.42	167.4	110.5	200.6	192.2	8.40	23.865	
700.0	700.0	700.0	700.0	3.9	3.9	33.42	167.4	110.5	200.6	191.9	8.63	23.237	
800.0	800.0	800.0	800.0	4.0	4.0	33.42	167.4	110.5	200.6	191.7	8.86	22.648	
900.0	900.0	900.0	900.0	4.1	4.1	33.42	167.4	110.5	200.6	191.5	9.08	22.092	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	33.42	167.4	110.5	200.6	191.3	9.30	21.568	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	33.42	167.4	110.5	200.6	191.1	9.52	21.072	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	33.42	167.4	110.5	200.6	190.8	9.74	20.601	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	33.42	167.4	110.5	200.6	190.6	9.95	20.154	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	33.42	167.4	110.5	200.6	190.4	10.17	19.729	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	33.42	167.4	110.5	200.6	190.2	10.38	19.324 CC, ES	
1,600.0	1,600.0	1,604.3	1,604.3	5.0	4.9	166.10	167.3	108.6	201.2	190.8	10.37	19.403	
1,700.0	1,699.8	1,708.5	1,708.4	5.2	5.1	165.16	167.0	102.9	203.1	192.3	10.82	18.769	
1,800.0	1,799.5	1,812.6	1,811.9	5.5	5.3	163.64	166.5	93.4	206.3	195.1	11.28	18.290	
1,900.0	1,898.7	1,916.3	1,914.8	5.7	5.6	161.60	165.8	80.3	211.1	199.4	11.75	17.964	
2,000.0	1,997.5	2,019.6	2,016.8	6.0	6.0	159.13	165.0	63.5	217.6	205.4	12.23	17.796 SF	
2,100.0	2,095.6	2,121.7	2,116.9	6.4	6.3	156.35	163.9	43.4	226.0	213.3	12.70	17.797	
2,200.0	2,193.1	2,220.6	2,213.6	6.7	6.6	153.94	162.8	22.9	237.6	224.4	13.17	18.034	
2,300.0	2,290.1	2,319.4	2,310.2	7.0	6.9	152.03	161.8	2.4	251.0	237.4	13.60	18.457	
2,400.0	2,387.1	2,418.1	2,406.8	7.4	7.2	150.31	160.7	-18.1	264.7	250.7	14.04	18.856	
2,500.0	2,484.1	2,516.9	2,503.4	7.7	7.6	148.76	159.6	-38.6	278.6	264.1	14.49	19.230	
2,600.0	2,581.2	2,615.6	2,600.0	8.1	7.9	147.36	158.5	-59.1	292.7	277.7	14.95	19.582	
2,700.0	2,678.2	2,714.4	2,696.6	8.4	8.3	146.09	157.5	-79.6	306.9	291.5	15.41	19.912	
2,800.0	2,775.2	2,813.2	2,793.2	8.8	8.7	144.93	156.4	-100.1	321.3	305.4	15.89	20.222	
2,900.0	2,872.3	2,911.9	2,889.8	9.2	9.1	143.87	155.3	-120.6	335.7	319.4	16.37	20.513	
3,000.0	2,969.3	3,010.7	2,986.4	9.6	9.4	142.90	154.2	-141.1	350.3	333.5	16.85	20.787	
3,100.0	3,066.3	3,109.5	3,083.0	10.0	9.8	142.00	153.2	-161.6	365.0	347.7	17.34	21.045	
3,200.0	3,163.4	3,208.2	3,179.6	10.4	10.2	141.18	152.1	-182.2	379.8	361.9	17.84	21.287	
3,300.0	3,260.4	3,307.0	3,276.2	10.9	10.7	140.41	151.0	-202.7	394.6	376.3	18.34	21.516	
3,400.0	3,357.4	3,405.7	3,372.8	11.3	11.1	139.71	149.9	-223.2	409.5	390.6	18.84	21.732	
3,500.0	3,454.4	3,504.5	3,469.4	11.7	11.5	139.05	148.9	-243.7	424.4	405.1	19.35	21.935	
3,600.0	3,551.5	3,603.3	3,566.0	12.2	11.9	138.43	147.8	-264.2	439.4	419.6	19.86	22.127	
3,700.0	3,648.5	3,702.0	3,662.6	12.6	12.3	137.86	146.7	-284.7	454.5	434.1	20.37	22.308	
3,800.0	3,745.5	3,800.8	3,759.3	13.0	12.8	137.32	145.6	-305.2	469.6	448.7	20.89	22.480	
3,900.0	3,842.6	3,899.6	3,855.9	13.5	13.2	136.82	144.6	-325.7	484.7	463.3	21.41	22.642	
4,000.0	3,939.6	3,998.3	3,952.5	13.9	13.6	136.35	143.5	-346.2	499.9	477.9	21.93	22.796	
4,100.0	4,036.6	4,097.1	4,049.1	14.4	14.1	135.90	142.4	-366.7	515.1	492.6	22.45	22.942	
4,200.0	4,133.6	4,195.8	4,145.7	14.9	14.5	135.48	141.3	-387.2	530.3	507.3	22.97	23.081	
4,300.0	4,230.7	4,294.6	4,242.3	15.3	14.9	135.09	140.3	-407.7	545.5	522.0	23.50	23.212	
4,400.0	4,327.7	4,393.4	4,338.9	15.8	15.4	134.71	139.2	-428.2	560.8	536.8	24.03	23.337	
4,500.0	4,424.7	4,492.1	4,435.5	16.2	15.8	134.36	138.1	-448.7	576.1	551.5	24.56	23.456	
4,600.0	4,521.8	4,590.9	4,532.1	16.7	16.3	134.02	137.0	-469.2	591.4	566.3	25.09	23.569	
4,700.0	4,618.8	4,689.7	4,628.7	17.2	16.7	133.70	136.0	-489.7	606.7	581.1	25.63	23.677	
4,800.0	4,715.8	4,788.4	4,725.3	17.6	17.2	133.40	134.9	-510.2	622.1	595.9	26.16	23.780	
4,900.0	4,812.9	4,887.2	4,821.9	18.1	17.6	133.11	133.8	-530.7	637.5	610.8	26.70	23.878	
5,000.0	4,909.9	4,985.9	4,918.5	18.6	18.1	132.83	132.7	-551.3	652.8	625.6	27.23	23.972	
5,100.0	5,006.9	5,084.7	5,015.1	19.0	18.5	132.57	131.7	-571.8	668.2	640.5	27.77	24.062	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Rule Assigned:							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,103.9	5,183.5	5,111.7	19.5	19.0	132.32	130.6	-592.3	683.6	655.3	28.31	24.147	
5,300.0	5,201.0	5,282.2	5,208.3	20.0	19.4	132.08	129.5	-612.8	699.1	670.2	28.85	24.229	
5,400.0	5,298.0	5,380.9	5,304.9	20.5	19.9	131.85	128.4	-633.3	714.5	685.1	29.38	24.322	
5,500.0	5,395.0	5,479.2	5,401.1	20.9	20.3	131.71	127.4	-652.7	730.0	700.1	29.92	24.399	
5,556.1	5,449.5	5,534.3	5,455.3	21.2	20.6	131.70	126.9	-662.8	738.7	708.5	30.22	24.445	
5,600.0	5,492.1	5,577.4	5,497.8	21.4	20.8	131.75	126.5	-670.4	745.4	715.0	30.45	24.478	
5,700.0	5,589.5	5,675.8	5,594.8	21.9	21.2	131.90	125.7	-686.5	760.0	729.0	31.01	24.510	
5,800.0	5,687.3	5,774.2	5,692.2	22.3	21.6	132.06	124.9	-701.0	773.5	741.9	31.55	24.517	
5,900.0	5,785.4	5,872.8	5,790.0	22.8	22.0	132.25	124.2	-713.8	785.9	753.8	32.08	24.500	
6,000.0	5,883.9	5,971.5	5,888.0	23.2	22.4	132.45	123.6	-724.9	797.2	764.6	32.59	24.460	
6,100.0	5,982.7	6,070.3	5,986.3	23.7	22.8	132.67	123.1	-734.4	807.4	774.4	33.09	24.399	
6,200.0	6,081.7	6,169.1	6,084.8	24.1	23.2	132.91	122.7	-742.1	816.6	783.0	33.58	24.317	
6,300.0	6,180.9	6,267.9	6,183.4	24.5	23.5	133.16	122.4	-748.2	824.7	790.6	34.06	24.215	
6,400.0	6,280.3	6,366.8	6,282.2	24.9	23.9	133.44	122.2	-752.6	831.7	797.2	34.52	24.094	
6,500.0	6,380.0	6,465.6	6,381.0	25.3	24.1	133.73	122.1	-755.2	837.6	802.6	34.96	23.956	
6,600.0	6,479.7	6,564.4	6,479.8	25.7	24.3	134.05	122.0	-756.2	842.4	807.1	35.38	23.812	
6,700.0	6,579.6	6,664.2	6,579.6	26.0	24.4	134.33	122.0	-756.2	846.2	810.4	35.76	23.660	
6,800.0	6,679.5	6,764.1	6,679.5	26.3	24.4	134.53	122.0	-756.2	848.7	812.6	36.11	23.500	
6,900.0	6,779.5	6,864.1	6,779.5	26.6	24.4	134.62	122.0	-756.2	850.0	813.6	36.41	23.347	
6,956.1	6,835.6	6,920.2	6,835.6	26.6	24.4	1.64	122.0	-756.2	850.2	813.7	36.49	23.299	
7,000.0	6,879.5	6,964.1	6,879.5	26.6	24.4	1.64	122.0	-756.2	850.2	813.7	36.51	23.285	
7,100.0	6,979.5	7,064.1	6,979.5	26.7	24.5	1.64	122.0	-756.2	850.2	813.6	36.59	23.237	
7,200.0	7,079.5	7,164.1	7,079.5	26.7	24.5	1.64	122.0	-756.2	850.2	813.5	36.66	23.188	
7,300.0	7,179.5	7,264.1	7,179.5	26.7	24.5	1.64	122.0	-756.2	850.2	813.4	36.74	23.140	
7,400.0	7,279.5	7,364.1	7,279.5	26.7	24.6	1.64	122.0	-756.2	850.2	813.4	36.82	23.091	
7,500.0	7,379.5	7,464.1	7,379.5	26.7	24.6	1.64	122.0	-756.2	850.2	813.3	36.90	23.042	
7,600.0	7,479.5	7,564.1	7,479.5	26.8	24.6	1.64	122.0	-756.2	850.2	813.2	36.98	22.993	
7,700.0	7,579.5	7,664.1	7,579.5	26.8	24.7	1.64	122.0	-756.2	850.2	813.1	37.06	22.943	
7,800.0	7,679.5	7,764.1	7,679.5	26.8	24.7	1.64	122.0	-756.2	850.2	813.0	37.14	22.894	
7,900.0	7,779.5	7,864.1	7,779.5	26.8	24.7	1.64	122.0	-756.2	850.2	813.0	37.22	22.845	
8,000.0	7,879.5	7,964.1	7,879.5	26.8	24.8	1.64	122.0	-756.2	850.2	812.9	37.30	22.795	
8,100.0	7,979.5	8,064.1	7,979.5	26.9	24.8	1.64	122.0	-756.2	850.2	812.8	37.38	22.745	
8,200.0	8,079.5	8,164.1	8,079.5	26.9	24.8	1.64	122.0	-756.2	850.2	812.7	37.46	22.695	
8,300.0	8,179.5	8,264.1	8,179.5	26.9	24.9	1.64	122.0	-756.2	850.2	812.6	37.54	22.646	
8,400.0	8,279.5	8,364.1	8,279.5	26.9	24.9	1.64	122.0	-756.2	850.2	812.6	37.63	22.596	
8,500.0	8,379.5	8,464.1	8,379.5	27.0	24.9	1.64	122.0	-756.2	850.2	812.5	37.71	22.546	
8,600.0	8,479.5	8,564.1	8,479.5	27.0	25.0	1.64	122.0	-756.2	850.2	812.4	37.79	22.495	
8,700.0	8,579.5	8,664.1	8,579.5	27.0	25.0	1.64	122.0	-756.2	850.2	812.3	37.88	22.445	
8,800.0	8,679.5	8,764.1	8,679.5	27.0	25.0	1.64	122.0	-756.2	850.2	812.2	37.96	22.395	
8,900.0	8,779.5	8,864.1	8,779.5	27.0	25.1	1.64	122.0	-756.2	850.2	812.1	38.05	22.344	
9,000.0	8,879.5	8,964.1	8,879.5	27.1	25.1	1.64	122.0	-756.2	850.2	812.0	38.14	22.294	
9,100.0	8,979.5	9,064.1	8,979.5	27.1	25.1	1.64	122.0	-756.2	850.2	812.0	38.22	22.243	
9,200.0	9,079.5	9,164.1	9,079.5	27.1	25.2	1.64	122.0	-756.2	850.2	811.9	38.31	22.193	
9,300.0	9,179.5	9,264.1	9,179.5	27.1	25.2	1.64	122.0	-756.2	850.2	811.8	38.40	22.142	
9,400.0	9,279.5	9,364.1	9,279.5	27.2	25.2	1.64	122.0	-756.2	850.2	811.7	38.48	22.092	
9,500.0	9,379.5	9,464.1	9,379.5	27.2	25.3	1.64	122.0	-756.2	850.2	811.6	38.57	22.041	
9,600.0	9,479.5	9,564.1	9,479.5	27.2	25.3	1.64	122.0	-756.2	850.2	811.5	38.66	21.990	
9,700.0	9,579.5	9,664.1	9,579.5	27.2	25.3	1.64	122.0	-756.2	850.2	811.4	38.75	21.939	
9,800.0	9,679.5	9,764.1	9,679.5	27.3	25.4	1.64	122.0	-756.2	850.2	811.3	38.84	21.889	
9,900.0	9,779.5	9,864.1	9,779.5	27.3	25.4	1.64	122.0	-756.2	850.2	811.3	38.93	21.838	
10,000.0	9,879.5	9,964.1	9,879.5	27.3	25.5	1.64	122.0	-756.2	850.2	811.2	39.02	21.787	
10,100.0	9,979.5	10,064.1	9,979.5	27.3	25.5	1.64	122.0	-756.2	850.2	811.1	39.11	21.736	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #701H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11344-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.0	10,079.5	10,164.1	10,079.5	27.4	25.5	1.64	122.0	-756.2	850.2	811.0	39.21	21.685	
10,300.0	10,179.5	10,264.1	10,179.5	27.4	25.6	1.64	122.0	-756.2	850.2	810.9	39.30	21.634	
10,400.0	10,279.5	10,364.1	10,279.5	27.4	25.6	1.64	122.0	-756.2	850.2	810.8	39.39	21.583	
10,500.0	10,379.5	10,464.1	10,379.5	27.4	25.6	1.64	122.0	-756.2	850.2	810.7	39.48	21.532	
10,600.0	10,479.5	10,564.1	10,479.5	27.5	25.7	1.64	122.0	-756.2	850.2	810.6	39.58	21.481	
10,700.0	10,579.5	10,664.1	10,579.5	27.5	25.7	1.64	122.0	-756.2	850.2	810.5	39.67	21.431	
10,800.0	10,679.5	10,764.1	10,679.5	27.5	25.8	1.64	122.0	-756.2	850.2	810.4	39.77	21.380	
10,900.0	10,779.5	10,864.1	10,779.5	27.6	25.8	1.64	122.0	-756.2	850.2	810.3	39.86	21.329	
11,000.0	10,879.5	10,964.1	10,879.5	27.6	25.8	1.64	122.0	-756.2	850.2	810.2	39.96	21.278	
11,100.0	10,979.5	11,064.1	10,979.5	27.6	25.9	1.64	122.0	-756.2	850.2	810.1	40.05	21.227	
11,200.0	11,079.5	11,164.1	11,079.5	27.6	25.9	1.64	122.0	-756.2	850.2	810.0	40.15	21.176	
11,300.0	11,179.5	11,264.1	11,179.5	27.7	25.9	1.64	122.0	-756.2	850.2	809.9	40.24	21.125	
11,379.1	11,258.5	11,343.1	11,258.5	27.7	26.0	1.64	122.0	-756.2	850.2	809.9	40.30	21.096	
11,400.0	11,279.5	11,350.0	11,265.4	27.7	26.0	-177.99	122.0	-756.2	850.8	810.8	40.02	21.258	
11,425.0	11,304.4	11,360.3	11,275.6	27.7	26.0	-177.98	122.3	-756.2	853.1	813.2	39.97	21.345	
11,450.0	11,329.2	11,375.0	11,290.4	27.7	26.0	-177.97	123.0	-756.2	857.3	817.4	39.94	21.463	
11,475.0	11,353.8	11,375.0	11,290.4	27.7	26.0	-177.94	123.0	-756.2	863.1	823.2	39.87	21.649	
11,500.0	11,378.2	11,386.2	11,301.6	27.7	26.0	-177.92	123.9	-756.2	870.6	830.8	39.85	21.850	
11,525.0	11,402.2	11,400.0	11,315.3	27.7	26.0	-177.89	125.3	-756.2	879.9	840.0	39.84	22.086	
11,550.0	11,425.8	11,400.0	11,315.3	27.7	26.0	-177.83	125.3	-756.2	890.6	850.8	39.81	22.373	
11,575.0	11,449.0	11,409.9	11,325.1	27.7	26.0	-177.78	126.5	-756.2	902.9	863.1	39.81	22.680	
11,600.0	11,471.7	11,425.0	11,340.0	27.7	26.0	-177.73	128.8	-756.3	916.7	876.9	39.83	23.017	
11,625.0	11,493.7	11,425.0	11,340.0	27.7	26.0	-177.64	128.8	-756.3	931.7	891.9	39.83	23.392	
11,650.0	11,515.2	11,425.0	11,340.0	27.7	26.0	-177.53	128.8	-756.3	948.1	908.3	39.85	23.793	
11,675.0	11,535.9	11,436.2	11,351.0	27.8	26.0	-177.43	130.8	-756.3	965.7	925.8	39.88	24.215	
11,700.0	11,555.8	11,450.0	11,364.5	27.8	26.0	-177.32	133.7	-756.3	984.4	944.5	39.91	24.666	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0													Offset Site Error: 0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS													Offset Well Error: 3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	41.98	150.7	135.6	202.7	195.7	6.98	29.036	
100.0	100.0	100.0	100.0	3.1	3.1	41.98	150.7	135.6	202.7	195.5	7.23	28.048	
200.0	200.0	200.0	200.0	3.2	3.2	41.98	150.7	135.6	202.7	195.2	7.47	27.145	
300.0	300.0	300.0	300.0	3.4	3.4	41.98	150.7	135.6	202.7	195.0	7.70	26.313	
400.0	400.0	400.0	400.0	3.5	3.5	41.98	150.7	135.6	202.7	194.8	7.94	25.545	
500.0	500.0	500.0	500.0	3.6	3.6	41.98	150.7	135.6	202.7	194.5	8.16	24.831	
600.0	600.0	600.0	600.0	3.7	3.7	41.98	150.7	135.6	202.7	194.3	8.39	24.167	
700.0	700.0	700.0	700.0	3.9	3.9	41.98	150.7	135.6	202.7	194.1	8.61	23.545	
800.0	800.0	800.0	800.0	4.0	4.0	41.98	150.7	135.6	202.7	193.9	8.83	22.962	
900.0	900.0	900.0	900.0	4.1	4.1	41.98	150.7	135.6	202.7	193.7	9.04	22.414	
1,000.0	1,000.0	1,000.0	1,000.0	4.2	4.2	41.98	150.7	135.6	202.7	193.4	9.26	21.897	
1,100.0	1,100.0	1,100.0	1,100.0	4.3	4.3	41.98	150.7	135.6	202.7	193.2	9.47	21.408	
1,200.0	1,200.0	1,200.0	1,200.0	4.5	4.5	41.98	150.7	135.6	202.7	193.0	9.68	20.945	
1,300.0	1,300.0	1,300.0	1,300.0	4.6	4.6	41.98	150.7	135.6	202.7	192.8	9.89	20.505	
1,400.0	1,400.0	1,400.0	1,400.0	4.7	4.7	41.98	150.7	135.6	202.7	192.6	10.09	20.088	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	41.98	150.7	135.6	202.7	192.4	10.29	19.690 CC, ES	
1,600.0	1,600.0	1,605.7	1,605.7	5.0	4.9	174.67	150.4	133.6	203.0	192.7	10.31	19.685	
1,700.0	1,699.8	1,711.3	1,711.2	5.2	5.1	173.75	149.6	127.9	204.0	193.2	10.80	18.887	
1,800.0	1,799.5	1,816.8	1,816.2	5.5	5.3	172.24	148.3	118.2	205.8	194.5	11.31	18.204	
1,900.0	1,898.7	1,922.0	1,920.5	5.7	5.7	170.18	146.4	104.8	208.6	196.8	11.83	17.635	
2,000.0	1,997.5	2,025.6	2,022.7	6.0	6.0	167.69	144.0	88.1	212.6	200.2	12.35	17.208	
2,100.0	2,095.6	2,125.0	2,120.5	6.4	6.3	165.39	141.6	71.0	219.6	206.7	12.87	17.064 SF	
2,200.0	2,193.1	2,224.1	2,218.2	6.7	6.5	163.46	139.2	53.9	230.3	216.9	13.40	17.181	
2,300.0	2,290.1	2,323.1	2,315.7	7.0	6.8	161.89	136.8	36.9	242.9	229.0	13.89	17.487	
2,400.0	2,387.1	2,422.1	2,413.2	7.4	7.2	160.47	134.4	19.9	255.6	241.2	14.39	17.766	
2,500.0	2,484.1	2,521.1	2,510.7	7.7	7.5	159.18	132.0	2.9	268.4	253.5	14.90	18.017	
2,600.0	2,581.2	2,620.1	2,608.2	8.1	7.8	158.01	129.6	-14.2	281.4	266.0	15.42	18.246	
2,700.0	2,678.2	2,719.1	2,705.6	8.4	8.2	156.95	127.3	-31.2	294.5	278.6	15.96	18.454	
2,800.0	2,775.2	2,818.1	2,803.1	8.8	8.6	155.97	124.9	-48.2	307.7	291.2	16.50	18.645	
2,900.0	2,872.3	2,917.1	2,900.6	9.2	8.9	155.08	122.5	-65.2	321.0	303.9	17.05	18.821	
3,000.0	2,969.3	3,016.1	2,998.1	9.6	9.3	154.25	120.1	-82.3	334.3	316.7	17.61	18.983	
3,100.0	3,066.3	3,115.1	3,095.6	10.0	9.7	153.49	117.7	-99.3	347.7	329.5	18.17	19.132	
3,200.0	3,163.4	3,214.1	3,193.1	10.4	10.1	152.79	115.3	-116.3	361.2	342.4	18.74	19.271	
3,300.0	3,260.4	3,313.1	3,290.6	10.9	10.5	152.14	112.9	-133.3	374.7	355.4	19.31	19.400	
3,400.0	3,357.4	3,412.1	3,388.1	11.3	10.9	151.53	110.5	-150.3	388.2	368.3	19.89	19.520	
3,500.0	3,454.4	3,511.1	3,485.6	11.7	11.3	150.96	108.1	-167.4	401.8	381.3	20.47	19.633	
3,600.0	3,551.5	3,610.1	3,583.1	12.2	11.7	150.43	105.7	-184.4	415.4	394.4	21.05	19.738	
3,700.0	3,648.5	3,709.1	3,680.6	12.6	12.1	149.94	103.3	-201.4	429.1	407.5	21.63	19.837	
3,800.0	3,745.5	3,808.1	3,778.1	13.0	12.5	149.47	100.9	-218.4	442.8	420.6	22.22	19.929	
3,900.0	3,842.6	3,907.1	3,875.6	13.5	12.9	149.03	98.5	-235.5	456.5	433.7	22.81	20.017	
4,000.0	3,939.6	4,006.1	3,973.0	13.9	13.4	148.62	96.2	-252.5	470.2	446.8	23.39	20.101	
4,100.0	4,036.6	4,103.2	4,068.7	14.4	13.7	148.27	93.8	-268.9	484.1	460.2	23.95	20.215	
4,200.0	4,133.6	4,200.0	4,164.4	14.9	14.1	148.10	91.7	-283.9	498.6	474.0	24.55	20.307	
4,300.0	4,230.7	4,294.3	4,257.7	15.3	14.5	148.10	89.9	-296.9	513.8	488.6	25.17	20.413	
4,400.0	4,327.7	4,389.5	4,352.2	15.8	14.9	148.26	88.3	-308.4	529.6	503.8	25.81	20.521	
4,500.0	4,424.7	4,484.5	4,446.7	16.2	15.3	148.57	86.9	-318.4	546.1	519.6	26.46	20.634	
4,600.0	4,521.8	4,579.1	4,540.9	16.7	15.6	149.00	85.7	-326.9	563.3	536.1	27.14	20.753	
4,700.0	4,618.8	4,673.4	4,634.9	17.2	16.0	149.55	84.7	-333.7	581.2	553.3	27.83	20.879	
4,800.0	4,715.8	4,767.2	4,728.6	17.6	16.3	150.20	84.0	-339.0	599.8	571.3	28.54	21.015	
4,900.0	4,812.9	4,860.6	4,821.9	18.1	16.6	150.94	83.5	-342.8	619.3	590.0	29.26	21.161	
5,000.0	4,909.9	4,953.4	4,914.7	18.6	16.9	151.75	83.1	-345.1	639.5	609.5	29.99	21.324	
5,100.0	5,006.9	5,045.7	5,007.0	19.0	17.0	152.63	83.0	-345.8	660.7	630.0	30.70	21.521	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,200.0	5,103.9	5,142.7	5,103.9	19.5	17.1	153.56	83.0	-345.8	682.4	651.0	31.40	21.729	
5,300.0	5,201.0	5,239.7	5,201.0	20.0	17.1	154.43	83.0	-345.8	704.3	672.1	32.12	21.925	
5,400.0	5,298.0	5,336.7	5,298.0	20.5	17.1	155.25	83.0	-345.8	726.3	693.4	32.83	22.120	
5,500.0	5,395.0	5,433.7	5,395.0	20.9	17.2	156.02	83.0	-345.8	748.4	714.9	33.54	22.314	
5,556.1	5,449.5	5,488.2	5,449.5	21.2	17.2	156.43	83.0	-345.8	760.9	727.0	33.92	22.429	
5,600.0	5,492.1	5,530.8	5,492.1	21.4	17.2	156.78	83.0	-345.8	770.5	736.3	34.22	22.517	
5,700.0	5,589.5	5,628.2	5,589.5	21.9	17.3	157.51	83.0	-345.8	791.4	756.5	34.90	22.674	
5,800.0	5,687.3	5,726.0	5,687.3	22.3	17.3	158.14	83.0	-345.8	810.9	775.3	35.57	22.796	
5,900.0	5,785.4	5,824.2	5,785.4	22.8	17.4	158.70	83.0	-345.8	828.7	792.5	36.22	22.883	
6,000.0	5,883.9	5,922.6	5,883.9	23.2	17.4	159.19	83.0	-345.8	845.1	808.2	36.84	22.936	
6,100.0	5,982.7	6,021.4	5,982.7	23.7	17.4	159.61	83.0	-345.8	859.8	822.4	37.45	22.957	
6,200.0	6,081.7	6,120.4	6,081.7	24.1	17.5	159.98	83.0	-345.8	873.0	835.0	38.04	22.948	
6,300.0	6,180.9	6,219.6	6,180.9	24.5	17.5	160.29	83.0	-345.8	884.6	846.0	38.61	22.911	
6,400.0	6,280.3	6,319.1	6,280.3	24.9	17.6	160.55	83.0	-345.8	894.5	855.4	39.16	22.846	
6,500.0	6,380.0	6,418.7	6,380.0	25.3	17.6	160.77	83.0	-345.8	902.9	863.2	39.68	22.756	
6,600.0	6,479.7	6,518.4	6,479.7	25.7	17.7	160.94	83.0	-345.8	909.6	869.4	40.17	22.644	
6,700.0	6,579.6	6,618.3	6,579.6	26.0	17.7	161.06	83.0	-345.8	914.6	874.0	40.63	22.512	
6,800.0	6,679.5	6,718.2	6,679.5	26.3	17.7	161.14	83.0	-345.8	918.0	877.0	41.05	22.365	
6,900.0	6,779.5	6,818.2	6,779.5	26.6	17.8	161.19	83.0	-345.8	919.8	878.4	41.40	22.214	
6,956.1	6,835.6	6,874.3	6,835.6	26.6	17.8	28.19	83.0	-345.8	920.0	878.5	41.50	22.167	
7,000.0	6,879.5	6,918.2	6,879.5	26.6	17.8	28.19	83.0	-345.8	920.0	878.5	41.52	22.157	
7,100.0	6,979.5	7,018.2	6,979.5	26.7	17.9	28.19	83.0	-345.8	920.0	878.4	41.59	22.121	
7,200.0	7,079.5	7,118.2	7,079.5	26.7	17.9	28.19	83.0	-345.8	920.0	878.4	41.66	22.085	
7,300.0	7,179.5	7,218.2	7,179.5	26.7	18.0	28.19	83.0	-345.8	920.0	878.3	41.73	22.049	
7,400.0	7,279.5	7,318.2	7,279.5	26.7	18.0	28.19	83.0	-345.8	920.0	878.2	41.80	22.013	
7,500.0	7,379.5	7,418.2	7,379.5	26.7	18.1	28.19	83.0	-345.8	920.0	878.2	41.86	21.976	
7,600.0	7,479.5	7,518.2	7,479.5	26.8	18.1	28.19	83.0	-345.8	920.0	878.1	41.93	21.940	
7,700.0	7,579.5	7,618.2	7,579.5	26.8	18.2	28.19	83.0	-345.8	920.0	878.0	42.00	21.903	
7,800.0	7,679.5	7,718.2	7,679.5	26.8	18.2	28.19	83.0	-345.8	920.0	878.0	42.08	21.866	
7,900.0	7,779.5	7,818.2	7,779.5	26.8	18.3	28.19	83.0	-345.8	920.0	877.9	42.15	21.829	
8,000.0	7,879.5	7,918.2	7,879.5	26.8	18.3	28.19	83.0	-345.8	920.0	877.8	42.22	21.792	
8,100.0	7,979.5	8,018.2	7,979.5	26.9	18.4	28.19	83.0	-345.8	920.0	877.7	42.29	21.755	
8,200.0	8,079.5	8,118.2	8,079.5	26.9	18.4	28.19	83.0	-345.8	920.0	877.7	42.36	21.717	
8,300.0	8,179.5	8,218.2	8,179.5	26.9	18.5	28.19	83.0	-345.8	920.0	877.6	42.44	21.680	
8,400.0	8,279.5	8,318.2	8,279.5	26.9	18.5	28.19	83.0	-345.8	920.0	877.5	42.51	21.642	
8,500.0	8,379.5	8,418.2	8,379.5	27.0	18.6	28.19	83.0	-345.8	920.0	877.4	42.59	21.604	
8,600.0	8,479.5	8,518.2	8,479.5	27.0	18.6	28.19	83.0	-345.8	920.0	877.4	42.66	21.566	
8,700.0	8,579.5	8,618.2	8,579.5	27.0	18.7	28.19	83.0	-345.8	920.0	877.3	42.74	21.528	
8,800.0	8,679.5	8,718.2	8,679.5	27.0	18.7	28.19	83.0	-345.8	920.0	877.2	42.81	21.490	
8,900.0	8,779.5	8,818.2	8,779.5	27.0	18.8	28.19	83.0	-345.8	920.0	877.1	42.89	21.452	
9,000.0	8,879.5	8,918.2	8,879.5	27.1	18.8	28.19	83.0	-345.8	920.0	877.1	42.96	21.414	
9,100.0	8,979.5	9,018.2	8,979.5	27.1	18.9	28.19	83.0	-345.8	920.0	877.0	43.04	21.375	
9,200.0	9,079.5	9,118.2	9,079.5	27.1	18.9	28.19	83.0	-345.8	920.0	876.9	43.12	21.337	
9,300.0	9,179.5	9,218.2	9,179.5	27.1	19.0	28.19	83.0	-345.8	920.0	876.8	43.20	21.298	
9,400.0	9,279.5	9,318.2	9,279.5	27.2	19.0	28.19	83.0	-345.8	920.0	876.8	43.28	21.259	
9,500.0	9,379.5	9,418.2	9,379.5	27.2	19.1	28.19	83.0	-345.8	920.0	876.7	43.36	21.221	
9,600.0	9,479.5	9,518.2	9,479.5	27.2	19.1	28.19	83.0	-345.8	920.0	876.6	43.43	21.182	
9,700.0	9,579.5	9,618.2	9,579.5	27.2	19.2	28.19	83.0	-345.8	920.0	876.5	43.51	21.143	
9,800.0	9,679.5	9,718.2	9,679.5	27.3	19.2	28.19	83.0	-345.8	920.0	876.4	43.60	21.104	
9,900.0	9,779.5	9,818.2	9,779.5	27.3	19.3	28.19	83.0	-345.8	920.0	876.4	43.68	21.065	
10,000.0	9,879.5	9,918.2	9,879.5	27.3	19.3	28.19	83.0	-345.8	920.0	876.3	43.76	21.026	
10,100.0	9,979.5	10,018.2	9,979.5	27.3	19.4	28.19	83.0	-345.8	920.0	876.2	43.84	20.986	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #702H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11473-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
10,200.0	10,079.5	10,118.2	10,079.5	27.4	19.4	28.19	83.0	-345.8	920.0	876.1	43.92	20.947	
10,300.0	10,179.5	10,218.2	10,179.5	27.4	19.5	28.19	83.0	-345.8	920.0	876.0	44.00	20.908	
10,400.0	10,279.5	10,318.2	10,279.5	27.4	19.5	28.19	83.0	-345.8	920.0	875.9	44.09	20.868	
10,500.0	10,379.5	10,418.2	10,379.5	27.4	19.6	28.19	83.0	-345.8	920.0	875.9	44.17	20.829	
10,600.0	10,479.5	10,518.2	10,479.5	27.5	19.7	28.19	83.0	-345.8	920.0	875.8	44.26	20.789	
10,700.0	10,579.5	10,618.2	10,579.5	27.5	19.7	28.19	83.0	-345.8	920.0	875.7	44.34	20.750	
10,800.0	10,679.5	10,718.2	10,679.5	27.5	19.8	28.19	83.0	-345.8	920.0	875.6	44.42	20.710	
10,900.0	10,779.5	10,818.2	10,779.5	27.6	19.8	28.19	83.0	-345.8	920.0	875.5	44.51	20.670	
11,000.0	10,879.5	10,918.2	10,879.5	27.6	19.9	28.19	83.0	-345.8	920.0	875.4	44.60	20.631	
11,100.0	10,979.5	11,018.2	10,979.5	27.6	19.9	28.19	83.0	-345.8	920.0	875.3	44.68	20.591	
11,200.0	11,079.5	11,118.2	11,079.5	27.6	20.0	28.19	83.0	-345.8	920.0	875.3	44.77	20.551	
11,300.0	11,179.5	11,218.2	11,179.5	27.7	20.0	28.19	83.0	-345.8	920.0	875.2	44.86	20.511	
11,379.1	11,258.5	11,297.2	11,258.5	27.7	20.1	28.19	83.0	-345.8	920.0	875.1	44.92	20.484	
11,400.0	11,279.5	11,318.2	11,279.5	27.7	20.1	-151.42	83.0	-345.8	920.4	875.6	44.80	20.547	
11,425.0	11,304.4	11,343.1	11,304.4	27.7	20.1	-151.39	83.0	-345.8	922.0	877.2	44.81	20.577	
11,450.0	11,329.2	11,367.9	11,329.2	27.7	20.1	-151.32	83.0	-345.8	924.7	879.8	44.81	20.635	
11,475.0	11,353.8	11,392.5	11,353.8	27.7	20.1	-151.23	83.0	-345.8	928.5	883.7	44.81	20.722	
11,500.0	11,378.2	11,416.9	11,378.2	27.7	20.1	-151.10	83.0	-345.8	933.4	888.6	44.79	20.838	
11,525.0	11,402.2	11,440.9	11,402.2	27.7	20.2	-150.94	83.0	-345.8	939.5	894.7	44.77	20.983	
11,550.0	11,425.8	11,464.6	11,425.8	27.7	20.2	-150.74	83.0	-345.8	946.7	902.0	44.75	21.156	
11,575.0	11,449.0	11,475.0	11,436.3	27.7	20.2	-150.33	83.0	-345.8	955.1	910.6	44.56	21.435	
11,600.0	11,471.7	11,486.5	11,447.8	27.7	20.2	-149.85	83.2	-345.8	964.9	920.4	44.47	21.700	
11,625.0	11,493.7	11,500.0	11,461.3	27.7	20.2	-149.33	83.8	-345.8	976.1	931.7	44.38	21.992	
11,650.0	11,515.2	11,500.0	11,461.3	27.7	20.2	-148.44	83.8	-345.8	988.5	944.3	44.24	22.347	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	50.20	133.9	160.8	209.3	202.3	6.98	29.975	
100.0	100.0	101.0	101.0	3.1	3.1	50.20	133.9	160.8	209.3	202.0	7.23	28.953	
200.0	200.0	201.0	201.0	3.2	3.3	50.20	133.9	160.8	209.3	201.8	7.47	28.026	
300.0	300.0	301.0	301.0	3.4	3.4	50.20	133.9	160.8	209.3	201.6	7.70	27.177	
400.0	400.0	401.0	401.0	3.5	3.5	50.20	133.9	160.8	209.3	201.3	7.93	26.394	
500.0	500.0	501.0	501.0	3.6	3.6	50.20	133.9	160.8	209.3	201.1	8.15	25.670	
600.0	600.0	601.0	601.0	3.7	3.7	50.20	133.9	160.8	209.3	200.9	8.37	24.996	
700.0	700.0	701.0	701.0	3.9	3.9	50.20	133.9	160.8	209.3	200.7	8.59	24.367	
800.0	800.0	801.0	801.0	4.0	4.0	50.20	133.9	160.8	209.3	200.5	8.80	23.779	
900.0	900.0	901.0	901.0	4.1	4.1	50.20	133.9	160.8	209.3	200.2	9.01	23.227	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	50.20	133.9	160.8	209.3	200.0	9.22	22.707	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	50.20	133.9	160.8	209.3	199.8	9.42	22.216	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	50.20	133.9	160.8	209.3	199.6	9.62	21.751	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	50.20	133.9	160.8	209.3	199.4	9.82	21.311	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	50.20	133.9	160.8	209.3	199.2	10.02	20.892	
1,500.0	1,500.0	1,501.1	1,501.1	4.8	4.8	50.20	133.9	160.8	209.3	199.2	10.08	20.758	
1,600.0	1,600.0	1,608.9	1,608.8	5.0	5.0	-176.91	132.9	159.0	209.1	198.8	10.27	20.352	
1,700.0	1,699.8	1,716.6	1,716.4	5.2	5.2	-177.26	129.7	153.8	208.7	197.9	10.79	19.349	
1,746.8	1,746.5	1,765.8	1,765.5	5.3	5.2	-177.49	127.6	150.2	208.5	197.5	10.97	19.013 CC, ES	
1,800.0	1,799.5	1,819.0	1,818.4	5.5	5.3	-177.76	125.2	146.3	209.0	197.8	11.20	18.662	
1,900.0	1,898.7	1,918.9	1,917.9	5.7	5.5	-178.28	120.7	138.8	212.6	200.9	11.72	18.143	
2,000.0	1,997.5	2,018.6	2,017.3	6.0	5.7	-178.81	116.3	131.4	219.7	207.5	12.28	17.900 SF	
2,100.0	2,095.6	2,118.0	2,116.3	6.4	5.9	-179.31	111.8	123.9	230.4	217.5	12.87	17.902	
2,200.0	2,193.1	2,217.0	2,214.9	6.7	6.2	-179.77	107.4	116.5	244.4	230.9	13.49	18.119	
2,300.0	2,290.1	2,315.7	2,313.3	7.0	6.5	179.81	102.9	109.2	260.3	246.2	14.07	18.498	
2,400.0	2,387.1	2,414.5	2,411.6	7.4	6.8	179.45	98.5	101.8	276.1	261.4	14.68	18.814	
2,500.0	2,484.1	2,513.2	2,510.0	7.7	7.1	179.12	94.1	94.4	292.0	276.7	15.31	19.073	
2,600.0	2,581.2	2,611.9	2,608.3	8.1	7.3	178.83	89.6	87.0	307.8	291.9	15.96	19.290	
2,700.0	2,678.2	2,708.4	2,704.4	8.4	7.6	178.58	85.4	79.9	323.8	307.3	16.58	19.530	
2,800.0	2,775.2	2,800.0	2,795.8	8.8	7.9	178.41	82.0	74.3	341.2	323.9	17.24	19.792	
2,900.0	2,872.3	2,894.3	2,890.0	9.2	8.2	178.31	79.3	69.8	360.1	342.2	17.90	20.112	
3,000.0	2,969.3	2,986.4	2,982.0	9.6	8.4	178.28	77.4	66.6	380.5	361.9	18.55	20.511	
3,100.0	3,066.3	3,077.9	3,073.5	10.0	8.7	178.30	76.3	64.8	402.4	383.2	19.18	20.983	
3,200.0	3,163.4	3,168.8	3,164.4	10.4	8.8	178.37	75.9	64.2	425.9	406.2	19.72	21.593	
3,300.0	3,260.4	3,265.8	3,261.4	10.9	8.9	178.46	75.9	64.2	450.1	429.8	20.23	22.249	
3,400.0	3,357.4	3,362.9	3,358.4	11.3	8.9	178.54	75.9	64.2	474.2	453.5	20.76	22.842	
3,500.0	3,454.4	3,459.9	3,455.4	11.7	9.0	178.61	75.9	64.2	498.4	477.1	21.30	23.395	
3,600.0	3,551.5	3,556.9	3,552.5	12.2	9.1	178.67	75.9	64.2	522.6	500.8	21.86	23.911	
3,700.0	3,648.5	3,653.9	3,649.5	12.6	9.2	178.73	75.9	64.2	546.8	524.4	22.42	24.393	
3,800.0	3,745.5	3,751.0	3,746.5	13.0	9.2	178.79	75.9	64.2	571.0	548.0	22.98	24.843	
3,900.0	3,842.6	3,848.0	3,843.6	13.5	9.3	178.83	75.9	64.2	595.2	571.6	23.56	25.264	
4,000.0	3,939.6	3,945.0	3,940.6	13.9	9.4	178.88	75.9	64.2	619.4	595.2	24.14	25.659	
4,100.0	4,036.6	4,042.1	4,037.6	14.4	9.5	178.92	75.9	64.2	643.5	618.8	24.73	26.028	
4,200.0	4,133.6	4,139.1	4,134.6	14.9	9.5	178.96	75.9	64.2	667.7	642.4	25.32	26.374	
4,300.0	4,230.7	4,236.1	4,231.7	15.3	9.6	179.00	75.9	64.2	691.9	666.0	25.92	26.700	
4,400.0	4,327.7	4,333.1	4,328.7	15.8	9.7	179.03	75.9	64.2	716.1	689.6	26.52	27.005	
4,500.0	4,424.7	4,430.2	4,425.7	16.2	9.8	179.06	75.9	64.2	740.3	713.2	27.12	27.293	
4,600.0	4,521.8	4,527.2	4,522.8	16.7	9.9	179.09	75.9	64.2	764.5	736.8	27.74	27.563	
4,700.0	4,618.8	4,624.2	4,619.8	17.2	9.9	179.12	75.9	64.2	788.7	760.3	28.35	27.819	
4,800.0	4,715.8	4,721.3	4,716.8	17.6	10.0	179.15	75.9	64.2	812.9	783.9	28.97	28.059	
4,900.0	4,812.9	4,818.3	4,813.9	18.1	10.1	179.17	75.9	64.2	837.1	807.5	29.59	28.287	
5,000.0	4,909.9	4,915.3	4,910.9	18.6	10.2	179.19	75.9	64.2	861.3	831.0	30.22	28.502	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #703H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11265-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Rule Assigned:						
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	+N/-S	+E/-W	Between Centres	Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
5,100.0	5,006.9	5,012.4	5,007.9	19.0	10.2	179.22	75.9	64.2	885.4	854.6	30.85	28.705		
5,200.0	5,103.9	5,109.4	5,104.9	19.5	10.3	179.24	75.9	64.2	909.6	878.2	31.48	28.898		
5,300.0	5,201.0	5,206.4	5,202.0	20.0	10.4	179.26	75.9	64.2	933.8	901.7	32.11	29.081		
5,400.0	5,298.0	5,303.4	5,299.0	20.5	10.5	179.28	75.9	64.2	958.0	925.3	32.75	29.254		
5,500.0	5,395.0	5,400.5	5,396.0	20.9	10.5	179.29	75.9	64.2	982.2	948.8	33.39	29.418		
5,556.1	5,449.5	5,454.9	5,450.5	21.2	10.6	179.30	75.9	64.2	995.8	962.0	33.74	29.517		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #704H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11450-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	57.80	117.1	185.9	219.7	212.7	6.98	31.472	
100.0	100.0	101.0	101.0	3.1	3.1	57.80	117.1	185.9	219.7	212.5	7.23	30.402	
200.0	200.0	201.0	201.0	3.2	3.3	57.80	117.1	185.9	219.7	212.2	7.46	29.434	
300.0	300.0	301.0	301.0	3.4	3.4	57.80	117.1	185.9	219.7	212.0	7.70	28.550	
400.0	400.0	401.0	401.0	3.5	3.5	57.80	117.1	185.9	219.7	211.8	7.92	27.737	
500.0	500.0	501.0	501.0	3.6	3.6	57.80	117.1	185.9	219.7	211.6	8.14	26.987	
600.0	600.0	601.0	601.0	3.7	3.7	57.80	117.1	185.9	219.7	211.3	8.36	26.292	
700.0	700.0	701.0	701.0	3.9	3.9	57.80	117.1	185.9	219.7	211.1	8.57	25.644	
800.0	800.0	801.0	801.0	4.0	4.0	57.80	117.1	185.9	219.7	210.9	8.77	25.039	
900.0	900.0	901.0	901.0	4.1	4.1	57.80	117.1	185.9	219.7	210.7	8.98	24.472	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	57.80	117.1	185.9	219.7	210.5	9.18	23.939	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	57.80	117.1	185.9	219.7	210.3	9.37	23.436	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	57.80	117.1	185.9	219.7	210.1	9.57	22.961	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	57.80	117.1	185.9	219.7	209.9	9.76	22.511	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	57.80	117.1	185.9	219.7	209.8	9.95	22.084	
1,466.3	1,466.3	1,467.3	1,467.3	4.8	4.8	57.80	117.1	185.9	219.7	209.6	10.07	21.814 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	57.80	117.1	185.9	219.7	209.6	10.13	21.681 ES, SF	
1,600.0	1,600.0	1,594.3	1,594.3	5.0	4.9	-169.10	117.3	187.5	222.9	212.8	10.14	21.974	
1,700.0	1,699.8	1,687.2	1,687.1	5.2	5.0	-168.81	117.8	192.0	232.5	221.9	10.63	21.881	
1,800.0	1,799.5	1,778.9	1,778.5	5.5	5.2	-168.38	118.7	199.4	248.4	237.3	11.12	22.329	
1,900.0	1,898.7	1,874.9	1,874.0	5.7	5.4	-167.90	119.9	209.3	269.7	258.0	11.62	23.214	
2,000.0	1,997.5	1,971.8	1,970.3	6.0	5.7	-167.61	121.2	219.3	294.3	282.2	12.13	24.260	
2,100.0	2,095.6	2,067.8	2,065.8	6.4	5.9	-167.46	122.4	229.3	322.3	309.6	12.68	25.418	
2,200.0	2,193.1	2,162.8	2,160.3	6.7	6.2	-167.43	123.6	239.1	353.5	340.2	13.25	26.669	
2,300.0	2,290.1	2,257.3	2,254.2	7.0	6.4	-167.58	124.8	248.9	386.3	372.5	13.79	28.015	
2,400.0	2,387.1	2,351.7	2,348.2	7.4	6.7	-167.71	126.0	258.7	419.2	404.8	14.35	29.211	
2,500.0	2,484.1	2,446.2	2,442.1	7.7	7.0	-167.82	127.2	268.5	452.0	437.1	14.93	30.266	
2,600.0	2,581.2	2,540.6	2,536.0	8.1	7.3	-167.91	128.4	278.3	484.8	469.3	15.54	31.196	
2,700.0	2,678.2	2,635.1	2,630.0	8.4	7.6	-168.00	129.6	288.1	517.7	501.5	16.17	32.017	
2,800.0	2,775.2	2,729.5	2,723.9	8.8	7.9	-168.07	130.8	297.9	550.5	533.7	16.81	32.742	
2,900.0	2,872.3	2,824.0	2,817.8	9.2	8.2	-168.13	132.0	307.7	583.3	565.9	17.47	33.384	
3,000.0	2,969.3	2,918.4	2,911.8	9.6	8.5	-168.19	133.2	317.5	616.2	598.0	18.15	33.953	
3,100.0	3,066.3	3,012.9	3,005.7	10.0	8.8	-168.24	134.4	327.3	649.0	630.2	18.83	34.460	
3,200.0	3,163.4	3,107.3	3,099.6	10.4	9.2	-168.29	135.6	337.1	681.9	662.3	19.53	34.911	
3,300.0	3,260.4	3,201.8	3,193.6	10.9	9.5	-168.33	136.8	346.9	714.7	694.5	20.24	35.313	
3,400.0	3,357.4	3,296.3	3,287.5	11.3	9.8	-168.37	138.1	356.7	747.5	726.6	20.95	35.674	
3,500.0	3,454.4	3,390.7	3,381.4	11.7	10.2	-168.41	139.3	366.5	780.4	758.7	21.68	35.998	
3,600.0	3,551.5	3,485.2	3,475.4	12.2	10.5	-168.44	140.5	376.3	813.2	790.8	22.41	36.289	
3,700.0	3,648.5	3,579.6	3,569.3	12.6	10.9	-168.47	141.7	386.1	846.1	822.9	23.15	36.552	
3,800.0	3,745.5	3,674.1	3,663.2	13.0	11.2	-168.50	142.9	395.9	878.9	855.0	23.89	36.790	
3,900.0	3,842.6	3,768.5	3,757.2	13.5	11.6	-168.52	144.1	405.7	911.8	887.1	24.64	37.005	
4,000.0	3,939.6	3,863.0	3,851.1	13.9	11.9	-168.55	145.3	415.5	944.6	919.2	25.39	37.201	
4,100.0	4,036.6	3,957.4	3,945.1	14.4	12.3	-168.57	146.5	425.3	977.4	951.3	26.15	37.379	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #705H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11314-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	2.0	2.0	3.0	3.0	64.57	100.3	211.0	233.7	226.7	6.98	33.472		
100.0	100.0	102.0	102.0	3.1	3.1	64.57	100.3	211.0	233.7	226.4	7.23	32.331		
200.0	200.0	202.0	202.0	3.2	3.3	64.57	100.3	211.0	233.7	226.2	7.46	31.306		
300.0	300.0	302.0	302.0	3.4	3.4	64.57	100.3	211.0	233.7	226.0	7.69	30.373		
400.0	400.0	402.0	402.0	3.5	3.5	64.57	100.3	211.0	233.7	225.7	7.92	29.517		
500.0	500.0	502.0	502.0	3.6	3.6	64.57	100.3	211.0	233.7	225.5	8.13	28.729		
600.0	600.0	602.0	602.0	3.7	3.7	64.57	100.3	211.0	233.7	225.3	8.35	27.999		
700.0	700.0	702.0	702.0	3.9	3.9	64.57	100.3	211.0	233.7	225.1	8.55	27.321		
800.0	800.0	802.0	802.0	4.0	4.0	64.57	100.3	211.0	233.7	224.9	8.76	26.689		
900.0	900.0	902.0	902.0	4.1	4.1	64.57	100.3	211.0	233.7	224.7	8.95	26.096		
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	64.57	100.3	211.0	233.7	224.5	9.15	25.540		
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	64.57	100.3	211.0	233.7	224.3	9.34	25.017		
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	64.57	100.3	211.0	233.7	224.1	9.53	24.523		
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	64.57	100.3	211.0	233.7	224.0	9.71	24.056		
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	64.57	100.3	211.0	233.7	223.8	9.90	23.613		
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	64.57	100.3	211.0	233.7	223.7	10.01	23.334 CC		
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	64.57	100.3	211.0	233.7	223.6	10.07	23.198 ES, SF		
1,600.0	1,600.0	1,594.7	1,594.6	5.0	4.9	-162.39	100.5	212.6	236.9	226.8	10.08	23.493		
1,700.0	1,699.8	1,686.9	1,686.8	5.2	5.0	-162.31	100.9	217.1	246.5	235.9	10.57	23.324		
1,800.0	1,799.5	1,778.1	1,777.6	5.5	5.2	-162.18	101.5	224.5	262.3	251.3	11.07	23.702		
1,900.0	1,898.7	1,867.6	1,866.6	5.7	5.5	-162.01	102.4	234.5	284.4	272.8	11.58	24.549		
2,000.0	1,997.5	1,955.0	1,953.1	6.0	5.8	-161.81	103.5	247.0	312.4	300.3	12.11	25.788		
2,100.0	2,095.6	2,044.5	2,041.3	6.4	6.0	-161.60	104.8	262.1	346.0	333.3	12.66	27.332		
2,200.0	2,193.1	2,137.4	2,132.7	6.7	6.3	-161.52	106.2	278.1	383.0	369.8	13.23	28.955		
2,300.0	2,290.1	2,229.6	2,223.6	7.0	6.6	-161.74	107.6	294.1	421.6	407.9	13.77	30.625		
2,400.0	2,387.1	2,321.9	2,314.4	7.4	6.8	-161.92	109.0	310.1	460.2	445.9	14.33	32.111		
2,500.0	2,484.1	2,414.1	2,405.3	7.7	7.1	-162.08	110.4	326.0	498.8	483.9	14.93	33.421		
2,600.0	2,581.2	2,506.3	2,496.1	8.1	7.4	-162.21	111.8	342.0	537.4	521.9	15.54	34.576		
2,700.0	2,678.2	2,598.6	2,587.0	8.4	7.8	-162.32	113.2	357.9	576.0	559.8	16.18	35.596		
2,800.0	2,775.2	2,690.8	2,677.8	8.8	8.1	-162.43	114.6	373.9	614.6	597.8	16.84	36.495		
2,900.0	2,872.3	2,783.1	2,768.6	9.2	8.4	-162.51	116.0	389.8	653.2	635.7	17.52	37.292		
3,000.0	2,969.3	2,875.3	2,859.5	9.6	8.8	-162.59	117.4	405.8	691.8	673.6	18.21	37.998		
3,100.0	3,066.3	2,967.6	2,950.3	10.0	9.1	-162.66	118.8	421.8	730.4	711.5	18.91	38.625		
3,200.0	3,163.4	3,059.8	3,041.2	10.4	9.5	-162.73	120.2	437.7	769.0	749.4	19.63	39.184		
3,300.0	3,260.4	3,152.1	3,132.0	10.9	9.8	-162.78	121.6	453.7	807.6	787.3	20.35	39.683		
3,400.0	3,357.4	3,244.3	3,222.9	11.3	10.2	-162.84	123.0	469.6	846.2	825.1	21.09	40.130		
3,500.0	3,454.4	3,336.5	3,313.7	11.7	10.6	-162.88	124.4	485.6	884.8	863.0	21.83	40.531		
3,600.0	3,551.5	3,428.8	3,404.6	12.2	11.0	-162.93	125.7	501.6	923.4	900.8	22.58	40.892		
3,700.0	3,648.5	3,521.0	3,495.4	12.6	11.3	-162.97	127.1	517.5	962.0	938.7	23.34	41.218		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #706H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11557-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	70.52	83.6	236.2	250.6	243.6	6.98	35.894	
100.0	100.0	102.0	102.0	3.1	3.1	70.52	83.6	236.2	250.6	243.4	7.23	34.672	
200.0	200.0	202.0	202.0	3.2	3.3	70.52	83.6	236.2	250.6	243.1	7.46	33.577	
300.0	300.0	302.0	302.0	3.4	3.4	70.52	83.6	236.2	250.6	242.9	7.69	32.582	
400.0	400.0	402.0	402.0	3.5	3.5	70.52	83.6	236.2	250.6	242.7	7.91	31.671	
500.0	500.0	502.0	502.0	3.6	3.6	70.52	83.6	236.2	250.6	242.5	8.13	30.833	
600.0	600.0	602.0	602.0	3.7	3.7	70.52	83.6	236.2	250.6	242.2	8.34	30.058	
700.0	700.0	702.0	702.0	3.9	3.9	70.52	83.6	236.2	250.6	242.0	8.54	29.339	
800.0	800.0	802.0	802.0	4.0	4.0	70.52	83.6	236.2	250.6	241.8	8.74	28.669	
900.0	900.0	902.0	902.0	4.1	4.1	70.52	83.6	236.2	250.6	241.6	8.94	28.043	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	70.52	83.6	236.2	250.6	241.5	9.13	27.455	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	70.52	83.6	236.2	250.6	241.3	9.31	26.903	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	70.52	83.6	236.2	250.6	241.1	9.50	26.382	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	70.52	83.6	236.2	250.6	240.9	9.68	25.890	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	70.52	83.6	236.2	250.6	240.7	9.86	25.424	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	70.52	83.6	236.2	250.6	240.6	9.97	25.131 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	70.52	83.6	236.2	250.6	240.6	10.03	24.987 ES, SF	
1,600.0	1,600.0	1,594.0	1,594.0	5.0	4.9	-156.50	83.7	237.8	253.8	243.7	10.03	25.290	
1,700.0	1,699.8	1,685.6	1,685.5	5.2	5.0	-156.57	83.9	242.2	263.3	252.7	10.52	25.034	
1,800.0	1,799.5	1,776.2	1,775.8	5.5	5.2	-156.66	84.3	249.5	278.9	267.9	11.01	25.323	
1,900.0	1,898.7	1,865.2	1,864.2	5.7	5.5	-156.77	84.8	259.4	300.7	289.2	11.53	26.084	
2,000.0	1,997.5	1,952.1	1,950.3	6.0	5.8	-156.86	85.4	271.8	328.4	316.4	12.06	27.239	
2,100.0	2,095.6	2,036.6	2,033.5	6.4	6.0	-156.92	86.2	286.3	361.9	349.3	12.60	28.731	
2,200.0	2,193.1	2,118.3	2,113.5	6.7	6.3	-156.94	87.1	302.6	401.0	387.9	13.14	30.507	
2,300.0	2,290.1	2,200.0	2,193.1	7.0	6.6	-157.22	88.0	321.2	444.0	430.3	13.66	32.495	
2,400.0	2,387.1	2,286.8	2,277.3	7.4	6.9	-157.41	89.1	342.2	488.3	474.1	14.20	34.395	
2,500.0	2,484.1	2,376.4	2,364.3	7.7	7.2	-157.58	90.3	363.8	532.5	517.7	14.78	36.030	
2,600.0	2,581.2	2,466.1	2,451.3	8.1	7.5	-157.72	91.4	385.5	576.8	561.4	15.39	37.476	
2,700.0	2,678.2	2,555.8	2,538.3	8.4	7.8	-157.85	92.5	407.2	621.0	605.0	16.02	38.754	
2,800.0	2,775.2	2,645.4	2,625.3	8.8	8.1	-157.95	93.7	428.8	665.3	648.6	16.68	39.886	
2,900.0	2,872.3	2,735.1	2,712.3	9.2	8.5	-158.04	94.8	450.5	709.6	692.2	17.35	40.888	
3,000.0	2,969.3	2,824.8	2,799.3	9.6	8.8	-158.13	95.9	472.1	753.8	735.8	18.04	41.778	
3,100.0	3,066.3	2,914.4	2,886.3	10.0	9.2	-158.20	97.1	493.8	798.1	779.3	18.75	42.570	
3,200.0	3,163.4	3,004.1	2,973.3	10.4	9.5	-158.26	98.2	515.5	842.4	822.9	19.47	43.275	
3,300.0	3,260.4	3,093.8	3,060.3	10.9	9.9	-158.32	99.3	537.1	886.6	866.4	20.19	43.905	
3,400.0	3,357.4	3,183.4	3,147.3	11.3	10.3	-158.38	100.5	558.8	930.9	910.0	20.93	44.469	
3,500.0	3,454.4	3,273.1	3,234.3	11.7	10.7	-158.42	101.6	580.5	975.2	953.5	21.68	44.976	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #707H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11185-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	2.0	2.0	3.0	3.0	75.69	66.7	261.3	269.6	262.7	6.98	38.626	
100.0	100.0	102.0	102.0	3.1	3.1	75.69	66.7	261.3	269.6	262.4	7.23	37.312	
200.0	200.0	202.0	202.0	3.2	3.3	75.69	66.7	261.3	269.6	262.2	7.46	36.136	
300.0	300.0	302.0	302.0	3.4	3.4	75.69	66.7	261.3	269.6	262.0	7.69	35.069	
400.0	400.0	402.0	402.0	3.5	3.5	75.69	66.7	261.3	269.6	261.7	7.91	34.093	
500.0	500.0	502.0	502.0	3.6	3.6	75.69	66.7	261.3	269.6	261.5	8.12	33.197	
600.0	600.0	602.0	602.0	3.7	3.7	75.69	66.7	261.3	269.6	261.3	8.33	32.369	
700.0	700.0	702.0	702.0	3.9	3.9	75.69	66.7	261.3	269.6	261.1	8.53	31.601	
800.0	800.0	802.0	802.0	4.0	4.0	75.69	66.7	261.3	269.6	260.9	8.73	30.887	
900.0	900.0	902.0	902.0	4.1	4.1	75.69	66.7	261.3	269.6	260.7	8.92	30.219	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	75.69	66.7	261.3	269.6	260.5	9.11	29.594	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	75.69	66.7	261.3	269.6	260.4	9.30	29.006	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	75.69	66.7	261.3	269.6	260.2	9.48	28.453	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	75.69	66.7	261.3	269.6	260.0	9.65	27.930	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	75.69	66.7	261.3	269.6	259.8	9.83	27.435	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	75.69	66.7	261.3	269.6	259.7	9.94	27.124 CC	
1,500.0	1,500.0	1,500.0	1,500.0	4.8	4.8	75.69	66.7	261.3	269.7	259.7	10.00	26.971 ES	
1,600.0	1,600.0	1,593.4	1,593.3	5.0	4.9	-151.37	66.7	262.8	272.8	262.8	10.00	27.286	
1,700.0	1,699.8	1,684.3	1,684.2	5.2	5.0	-151.54	66.8	267.2	282.1	271.6	10.47	26.935 SF	
1,800.0	1,799.5	1,774.3	1,773.9	5.5	5.2	-151.79	66.9	274.4	297.5	286.5	10.97	27.127	
1,900.0	1,898.7	1,862.7	1,861.7	5.7	5.5	-152.09	67.1	284.2	318.9	307.4	11.48	27.791	
2,000.0	1,997.5	1,949.2	1,947.3	6.0	5.7	-152.39	67.3	296.4	346.2	334.2	12.00	28.852	
2,100.0	2,095.6	2,033.2	2,030.1	6.4	6.0	-152.67	67.5	310.8	379.2	366.7	12.54	30.251	
2,200.0	2,193.1	2,114.5	2,109.8	6.7	6.3	-152.90	67.8	326.9	417.8	404.7	13.08	31.939	
2,300.0	2,290.1	2,200.0	2,193.1	7.0	6.6	-153.45	68.1	346.4	460.3	446.7	13.63	33.764	
2,400.0	2,387.1	2,270.3	2,261.1	7.4	6.9	-153.76	68.5	364.2	505.1	491.0	14.08	35.866	
2,500.0	2,484.1	2,353.7	2,341.2	7.7	7.2	-154.01	68.9	387.0	551.8	537.1	14.63	37.705	
2,600.0	2,581.2	2,442.0	2,426.1	8.1	7.5	-154.23	69.3	411.4	598.6	583.4	15.24	39.294	
2,700.0	2,678.2	2,530.3	2,511.0	8.4	7.8	-154.42	69.7	435.7	645.5	629.7	15.86	40.700	
2,800.0	2,775.2	2,618.6	2,595.9	8.8	8.1	-154.59	70.1	460.1	692.4	675.9	16.51	41.944	
2,900.0	2,872.3	2,706.9	2,680.8	9.2	8.5	-154.73	70.6	484.4	739.3	722.1	17.17	43.046	
3,000.0	2,969.3	2,795.3	2,765.7	9.6	8.8	-154.86	71.0	508.7	786.2	768.3	17.86	44.023	
3,100.0	3,066.3	2,883.6	2,850.6	10.0	9.2	-154.97	71.4	533.1	833.1	814.5	18.56	44.890	
3,200.0	3,163.4	2,971.9	2,935.5	10.4	9.5	-155.07	71.8	557.4	879.9	860.7	19.27	45.663	
3,300.0	3,260.4	3,060.2	3,020.4	10.9	9.9	-155.16	72.3	581.7	926.8	906.8	20.00	46.353	
3,400.0	3,357.4	3,148.5	3,105.3	11.3	10.3	-155.24	72.7	606.1	973.7	953.0	20.73	46.971	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	123.85	-16.7	25.0	30.1	23.1	6.98	4.307	
100.0	100.0	101.0	101.0	3.1	3.1	123.85	-16.7	25.0	30.1	22.8	7.23	4.161	
200.0	200.0	201.0	201.0	3.2	3.3	123.85	-16.7	25.0	30.1	22.6	7.46	4.028	
300.0	300.0	301.0	301.0	3.4	3.4	123.85	-16.7	25.0	30.1	22.4	7.70	3.907	
400.0	400.0	401.0	401.0	3.5	3.5	123.85	-16.7	25.0	30.1	22.1	7.92	3.795	
500.0	500.0	501.0	501.0	3.6	3.6	123.85	-16.7	25.0	30.1	21.9	8.14	3.692	
600.0	600.0	601.0	601.0	3.7	3.7	123.85	-16.7	25.0	30.1	21.7	8.36	3.597	
700.0	700.0	701.0	701.0	3.9	3.9	123.85	-16.7	25.0	30.1	21.5	8.57	3.508	
800.0	800.0	801.0	801.0	4.0	4.0	123.85	-16.7	25.0	30.1	21.3	8.78	3.425	
900.0	900.0	901.0	901.0	4.1	4.1	123.85	-16.7	25.0	30.1	21.1	8.98	3.347	
1,000.0	1,000.0	1,001.0	1,001.0	4.2	4.2	123.85	-16.7	25.0	30.1	20.9	9.19	3.273	
1,100.0	1,100.0	1,101.0	1,101.0	4.3	4.3	123.85	-16.7	25.0	30.1	20.7	9.38	3.204	
1,200.0	1,200.0	1,201.0	1,201.0	4.5	4.5	123.85	-16.7	25.0	30.1	20.5	9.58	3.139	
1,300.0	1,300.0	1,301.0	1,301.0	4.6	4.6	123.85	-16.7	25.0	30.1	20.3	9.77	3.077	
1,400.0	1,400.0	1,401.0	1,401.0	4.7	4.7	123.85	-16.7	25.0	30.1	20.1	9.96	3.018	
1,500.0	1,500.0	1,501.0	1,501.0	4.8	4.8	123.85	-16.8	25.0	30.1	20.0	10.02	3.001 CC, ES	
1,504.4	1,504.4	1,505.5	1,505.5	4.8	4.8	-103.14	-16.8	25.0	30.1	20.2	9.83	3.059	
1,600.0	1,600.0	1,601.1	1,601.1	5.0	5.0	-103.02	-18.1	23.8	30.2	20.2	10.00	3.022	
1,700.0	1,699.8	1,701.3	1,701.1	5.2	5.2	-102.78	-22.0	20.2	30.7	20.3	10.31	2.973	
1,800.0	1,799.5	1,801.4	1,800.9	5.5	5.5	-102.43	-28.5	14.4	31.4	20.8	10.62	2.956	
1,900.0	1,898.7	1,901.6	1,900.3	5.7	5.8	-101.99	-37.6	6.2	32.4	21.5	10.93	2.967	
2,000.0	1,997.5	2,001.7	1,999.1	6.0	6.1	-101.49	-49.3	-4.3	33.8	22.5	11.25	3.003	
2,100.0	2,095.6	2,101.7	2,097.6	6.4	6.3	-103.82	-62.2	-16.0	35.7	24.1	11.57	3.081	
2,200.0	2,193.1	2,201.5	2,195.9	6.7	6.6	-110.85	-75.1	-27.6	38.7	26.7	11.98	3.228	
2,300.0	2,290.1	2,301.2	2,294.1	7.0	6.9	-118.91	-88.0	-39.2	43.0	30.5	12.54	3.433	
2,400.0	2,387.1	2,401.0	2,392.4	7.4	7.2	-125.39	-100.8	-50.7	48.1	34.9	13.18	3.647	
2,500.0	2,484.1	2,500.7	2,490.6	7.7	7.5	-130.59	-113.7	-62.3	53.6	39.7	13.89	3.860	
2,600.0	2,581.2	2,600.5	2,588.8	8.1	7.9	-134.79	-126.6	-73.9	59.5	44.9	14.64	4.066	
2,700.0	2,678.2	2,700.2	2,687.0	8.4	8.2	-138.22	-139.5	-85.5	65.7	50.3	15.41	4.262	
2,800.0	2,775.2	2,799.9	2,785.3	8.8	8.6	-141.05	-152.3	-97.1	72.0	55.8	16.20	4.446	
2,900.0	2,872.3	2,899.7	2,883.5	9.2	9.0	-143.42	-165.2	-108.7	78.5	61.5	17.00	4.618	
3,000.0	2,969.3	2,999.4	2,981.7	9.6	9.3	-145.42	-178.1	-120.3	85.1	67.3	17.82	4.777	
3,100.0	3,066.3	3,099.2	3,079.9	10.0	9.7	-147.14	-190.9	-131.9	91.8	73.2	18.64	4.925	
3,200.0	3,163.4	3,198.9	3,178.2	10.4	10.1	-148.62	-203.8	-143.5	98.6	79.1	19.48	5.062	
3,300.0	3,260.4	3,298.7	3,276.4	10.9	10.5	-149.91	-216.7	-155.0	105.4	85.1	20.32	5.188	
3,400.0	3,357.4	3,398.4	3,374.6	11.3	10.9	-151.04	-229.5	-166.6	112.3	91.1	21.17	5.305	
3,500.0	3,454.4	3,498.1	3,472.8	11.7	11.3	-152.04	-242.4	-178.2	119.2	97.2	22.02	5.413	
3,600.0	3,551.5	3,597.9	3,571.1	12.2	11.7	-152.94	-255.3	-189.8	126.1	103.3	22.88	5.514	
3,700.0	3,648.5	3,697.6	3,669.3	12.6	12.1	-153.73	-268.2	-201.4	133.1	109.4	23.74	5.607	
3,800.0	3,745.5	3,797.4	3,767.5	13.0	12.5	-154.45	-281.0	-213.0	140.1	115.5	24.61	5.693	
3,900.0	3,842.6	3,897.1	3,865.7	13.5	13.0	-155.10	-293.9	-224.6	147.1	121.6	25.48	5.774	
4,000.0	3,939.6	3,996.8	3,964.0	13.9	13.4	-155.70	-306.8	-236.2	154.2	127.8	26.36	5.849	
4,100.0	4,036.6	4,096.6	4,062.2	14.4	13.8	-156.23	-319.6	-247.8	161.2	134.0	27.24	5.919	
4,200.0	4,133.6	4,196.3	4,160.4	14.9	14.2	-156.73	-332.5	-259.3	168.3	140.1	28.12	5.984	
4,300.0	4,230.7	4,296.1	4,258.6	15.3	14.6	-157.18	-345.4	-270.9	175.3	146.3	29.00	6.046	
4,400.0	4,327.7	4,395.8	4,356.9	15.8	15.1	-157.60	-358.3	-282.5	182.4	152.5	29.89	6.103	
4,500.0	4,424.7	4,495.5	4,455.1	16.2	15.5	-157.99	-371.1	-294.1	189.5	158.7	30.78	6.157	
4,600.0	4,521.8	4,593.8	4,551.9	16.7	15.9	-158.37	-383.7	-305.4	196.8	165.2	31.64	6.220	
4,700.0	4,618.8	4,690.4	4,647.3	17.2	16.3	-158.90	-394.9	-315.5	205.4	172.9	32.53	6.315	
4,800.0	4,715.8	4,786.6	4,742.6	17.6	16.7	-159.57	-405.0	-324.6	215.6	182.1	33.42	6.450	
4,900.0	4,812.9	4,882.5	4,837.7	18.1	17.1	-160.35	-413.8	-332.5	227.3	192.9	34.32	6.622	
5,000.0	4,909.9	4,978.0	4,932.7	18.6	17.5	-161.20	-421.4	-339.4	240.5	205.3	35.21	6.831	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance		Rule Assigned:		Warning						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,006.9	5,073.0	5,027.3	19.0	17.8	-162.11	-427.8	-345.1	255.3	219.2	36.09	7.076	
5,200.0	5,103.9	5,167.6	5,121.6	19.5	18.2	-163.04	-433.0	-349.8	271.7	234.8	36.94	7.355	
5,300.0	5,201.0	5,261.5	5,215.4	20.0	18.5	-163.97	-437.0	-353.4	289.7	251.9	37.77	7.670	
5,400.0	5,298.0	5,354.9	5,308.7	20.5	18.8	-164.90	-439.9	-356.0	309.3	270.7	38.57	8.018	
5,500.0	5,395.0	5,447.6	5,401.4	20.9	19.1	-165.79	-441.6	-357.6	330.4	291.1	39.32	8.403	
5,556.1	5,449.5	5,500.0	5,453.7	21.2	19.2	-166.29	-442.1	-358.0	343.0	303.2	39.73	8.633	
5,600.0	5,492.1	5,539.7	5,493.4	21.4	19.3	-166.68	-442.2	-358.1	352.9	313.0	39.96	8.833	
5,700.0	5,589.5	5,636.8	5,590.5	21.9	19.3	-167.52	-442.2	-358.1	375.0	334.5	40.54	9.249	
5,800.0	5,687.3	5,734.6	5,688.3	22.3	19.3	-168.22	-442.2	-358.1	395.5	354.3	41.12	9.617	
5,900.0	5,785.4	5,832.7	5,786.4	22.8	19.3	-168.80	-442.2	-358.1	414.3	372.6	41.68	9.939	
6,000.0	5,883.9	5,931.2	5,884.9	23.2	19.4	-169.28	-442.2	-358.1	431.4	389.2	42.23	10.216	
6,100.0	5,982.7	6,029.9	5,983.7	23.7	19.4	-169.68	-442.2	-358.1	446.9	404.2	42.76	10.452	
6,200.0	6,081.7	6,128.9	6,082.7	24.1	19.4	-170.02	-442.2	-358.1	460.7	417.5	43.28	10.646	
6,300.0	6,180.9	6,228.2	6,181.9	24.5	19.4	-170.30	-442.2	-358.1	472.8	429.1	43.78	10.802	
6,400.0	6,280.3	6,327.6	6,281.3	24.9	19.5	-170.53	-442.2	-358.1	483.3	439.0	44.26	10.919	
6,500.0	6,380.0	6,427.2	6,381.0	25.3	19.5	-170.71	-442.2	-358.1	492.0	447.2	44.72	11.000	
6,600.0	6,479.7	6,527.0	6,480.7	25.7	19.5	-170.85	-442.2	-358.1	498.9	453.8	45.16	11.047	
6,700.0	6,579.6	6,626.8	6,580.6	26.0	19.6	-170.96	-442.2	-358.1	504.2	458.6	45.58	11.062	
6,800.0	6,679.5	6,726.8	6,680.5	26.3	19.6	-171.03	-442.2	-358.1	507.8	461.8	45.96	11.048	
6,900.0	6,779.5	6,826.7	6,780.5	26.6	19.6	-171.06	-442.2	-358.1	509.6	463.3	46.29	11.010	
6,956.1	6,835.6	6,882.9	6,836.6	26.6	19.6	55.93	-442.2	-358.1	509.9	463.5	46.37	10.995	
7,000.0	6,879.5	6,926.7	6,880.5	26.6	19.7	55.93	-442.2	-358.1	509.9	463.5	46.39	10.992	
7,100.0	6,979.5	7,026.7	6,980.5	26.7	19.7	55.93	-442.2	-358.1	509.9	463.4	46.43	10.981	
7,200.0	7,079.5	7,126.7	7,080.5	26.7	19.7	55.93	-442.2	-358.1	509.9	463.4	46.48	10.970	
7,300.0	7,179.5	7,226.7	7,180.5	26.7	19.8	55.93	-442.2	-358.1	509.9	463.3	46.53	10.959	
7,400.0	7,279.5	7,326.7	7,280.5	26.7	19.8	55.93	-442.2	-358.1	509.9	463.3	46.58	10.947	
7,500.0	7,379.5	7,426.7	7,380.5	26.7	19.8	55.93	-442.2	-358.1	509.9	463.3	46.63	10.936	
7,600.0	7,479.5	7,526.7	7,480.5	26.8	19.9	55.93	-442.2	-358.1	509.9	463.2	46.67	10.924	
7,700.0	7,579.5	7,626.7	7,580.5	26.8	19.9	55.93	-442.2	-358.1	509.9	463.2	46.72	10.912	
7,800.0	7,679.5	7,726.7	7,680.5	26.8	19.9	55.93	-442.2	-358.1	509.9	463.1	46.78	10.901	
7,900.0	7,779.5	7,826.7	7,780.5	26.8	20.0	55.93	-442.2	-358.1	509.9	463.1	46.83	10.889	
8,000.0	7,879.5	7,926.7	7,880.5	26.8	20.0	55.93	-442.2	-358.1	509.9	463.0	46.88	10.877	
8,100.0	7,979.5	8,026.7	7,980.5	26.9	20.0	55.93	-442.2	-358.1	509.9	462.9	46.93	10.865	
8,200.0	8,079.5	8,126.7	8,080.5	26.9	20.1	55.93	-442.2	-358.1	509.9	462.9	46.98	10.853	
8,300.0	8,179.5	8,226.7	8,180.5	26.9	20.1	55.93	-442.2	-358.1	509.9	462.8	47.04	10.840	
8,400.0	8,279.5	8,326.7	8,280.5	26.9	20.1	55.93	-442.2	-358.1	509.9	462.8	47.09	10.828	
8,500.0	8,379.5	8,426.7	8,380.5	27.0	20.2	55.93	-442.2	-358.1	509.9	462.7	47.14	10.816	
8,600.0	8,479.5	8,526.7	8,480.5	27.0	20.2	55.93	-442.2	-358.1	509.9	462.7	47.20	10.803	
8,700.0	8,579.5	8,626.7	8,580.5	27.0	20.2	55.93	-442.2	-358.1	509.9	462.6	47.25	10.790	
8,800.0	8,679.5	8,726.7	8,680.5	27.0	20.3	55.93	-442.2	-358.1	509.9	462.6	47.31	10.778	
8,900.0	8,779.5	8,826.7	8,780.5	27.0	20.3	55.93	-442.2	-358.1	509.9	462.5	47.36	10.765	
9,000.0	8,879.5	8,926.7	8,880.5	27.1	20.4	55.93	-442.2	-358.1	509.9	462.5	47.42	10.752	
9,100.0	8,979.5	9,026.7	8,980.5	27.1	20.4	55.93	-442.2	-358.1	509.9	462.4	47.48	10.739	
9,200.0	9,079.5	9,126.7	9,080.5	27.1	20.4	55.93	-442.2	-358.1	509.9	462.3	47.54	10.726	
9,300.0	9,179.5	9,226.7	9,180.5	27.1	20.5	55.93	-442.2	-358.1	509.9	462.3	47.59	10.713	
9,400.0	9,279.5	9,326.7	9,280.5	27.2	20.5	55.93	-442.2	-358.1	509.9	462.2	47.65	10.700	
9,500.0	9,379.5	9,426.7	9,380.5	27.2	20.5	55.93	-442.2	-358.1	509.9	462.2	47.71	10.687	
9,600.0	9,479.5	9,526.7	9,480.5	27.2	20.6	55.93	-442.2	-358.1	509.9	462.1	47.77	10.674	
9,700.0	9,579.5	9,626.7	9,580.5	27.2	20.6	55.93	-442.2	-358.1	509.9	462.0	47.83	10.660	
9,800.0	9,679.5	9,726.7	9,680.5	27.3	20.7	55.93	-442.2	-358.1	509.9	462.0	47.89	10.647	
9,900.0	9,779.5	9,826.7	9,780.5	27.3	20.7	55.93	-442.2	-358.1	509.9	461.9	47.95	10.633	
10,000.0	9,879.5	9,926.7	9,880.5	27.3	20.7	55.93	-442.2	-358.1	509.9	461.9	48.01	10.620	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
10,100.0	9,979.5	10,026.7	9,980.5	27.3	20.8	55.93	-442.2	-358.1	509.9	461.8	48.07	10.606	
10,200.0	10,079.5	10,126.7	10,080.5	27.4	20.8	55.93	-442.2	-358.1	509.9	461.7	48.14	10.592	
10,300.0	10,179.5	10,226.7	10,180.5	27.4	20.9	55.93	-442.2	-358.1	509.9	461.7	48.20	10.579	
10,400.0	10,279.5	10,326.7	10,280.5	27.4	20.9	55.93	-442.2	-358.1	509.9	461.6	48.26	10.565	
10,500.0	10,379.5	10,426.7	10,380.5	27.4	20.9	55.93	-442.2	-358.1	509.9	461.6	48.33	10.551	
10,600.0	10,479.5	10,526.7	10,480.5	27.5	21.0	55.93	-442.2	-358.1	509.9	461.5	48.39	10.537	
10,700.0	10,579.5	10,626.7	10,580.5	27.5	21.0	55.93	-442.2	-358.1	509.9	461.4	48.45	10.523	
10,800.0	10,679.5	10,726.7	10,680.5	27.5	21.1	55.93	-442.2	-358.1	509.9	461.4	48.52	10.509	
10,900.0	10,779.5	10,826.7	10,780.5	27.6	21.1	55.93	-442.2	-358.1	509.9	461.3	48.58	10.495	
11,000.0	10,879.5	10,926.7	10,880.5	27.6	21.2	55.93	-442.2	-358.1	509.9	461.2	48.65	10.480	
11,100.0	10,979.5	11,026.7	10,980.5	27.6	21.2	55.93	-442.2	-358.1	509.9	461.2	48.72	10.466	
11,200.0	11,079.5	11,126.7	11,080.5	27.6	21.2	55.93	-442.2	-358.1	509.9	461.1	48.78	10.452	
11,300.0	11,179.5	11,226.7	11,180.5	27.7	21.3	55.93	-442.2	-358.1	509.9	461.0	48.85	10.437	
11,379.1	11,258.5	11,305.8	11,259.5	27.7	21.3	55.93	-442.2	-358.1	509.9	461.0	48.90	10.428	
11,400.0	11,279.5	11,326.7	11,280.5	27.7	21.3	-123.71	-442.2	-358.1	510.1	461.4	48.78	10.458	
11,425.0	11,304.4	11,351.7	11,305.4	27.7	21.3	-123.78	-442.2	-358.1	511.1	462.3	48.81	10.471	
11,450.0	11,329.2	11,376.5	11,330.2	27.7	21.4	-123.89	-442.2	-358.1	512.8	464.0	48.85	10.498	
11,475.0	11,353.8	11,401.1	11,354.8	27.7	21.4	-124.04	-442.2	-358.1	515.3	466.4	48.90	10.537	
11,500.0	11,378.2	11,425.5	11,379.2	27.7	21.4	-124.23	-442.2	-358.1	518.5	469.5	48.96	10.591	
11,525.0	11,402.2	11,449.5	11,403.2	27.7	21.4	-124.43	-442.2	-358.1	522.5	473.5	49.02	10.658	
11,550.0	11,425.8	11,473.1	11,426.8	27.7	21.4	-124.66	-442.2	-358.1	527.3	478.2	49.09	10.741	
11,575.0	11,449.0	11,518.3	11,472.0	27.7	21.4	-125.53	-443.9	-358.1	532.3	483.0	49.31	10.795	
11,600.0	11,471.7	11,593.4	11,546.0	27.7	21.4	-126.91	-455.8	-358.0	536.1	486.2	49.88	10.748	
11,625.0	11,493.7	11,686.2	11,633.6	27.7	21.4	-127.90	-486.1	-357.8	538.3	487.8	50.46	10.669	
11,650.0	11,515.2	11,768.1	11,704.7	27.7	21.5	-128.02	-526.7	-357.6	538.7	487.9	50.75	10.614	
11,675.0	11,535.9	11,849.2	11,767.2	27.8	21.5	-127.51	-578.1	-357.2	537.2	486.4	50.82	10.571	
11,700.0	11,555.8	11,926.9	11,818.1	27.8	21.6	-126.43	-636.7	-356.9	534.0	483.4	50.63	10.548	
11,725.0	11,575.0	11,999.3	11,856.4	27.8	21.6	-124.90	-698.0	-356.5	529.4	479.2	50.20	10.544	
11,750.0	11,593.3	12,065.4	11,883.0	27.8	21.7	-123.07	-758.5	-356.1	523.5	473.9	49.59	10.557	
11,775.0	11,610.6	12,125.2	11,899.6	27.8	21.7	-121.07	-815.9	-355.7	516.7	467.9	48.84	10.580	
11,800.0	11,627.0	12,179.0	11,908.3	27.8	21.8	-119.02	-869.0	-355.4	509.3	461.3	48.02	10.607	
11,825.0	11,642.4	12,227.4	11,911.0	27.8	21.8	-116.98	-917.2	-355.0	501.6	454.4	47.17	10.633	
11,850.0	11,656.7	12,249.2	11,911.0	27.8	21.8	-116.47	-939.1	-354.9	494.1	447.1	46.97	10.518	
11,875.0	11,670.0	12,270.4	11,911.0	27.9	21.8	-115.99	-960.3	-354.8	487.4	440.6	46.82	10.410	
11,900.0	11,682.1	12,292.3	11,911.0	27.9	21.9	-115.48	-982.2	-354.6	481.6	434.9	46.69	10.315	
11,925.0	11,693.1	12,314.8	11,911.0	27.9	21.9	-114.96	-1,004.6	-354.5	476.5	429.9	46.57	10.231	
11,950.0	11,702.8	12,337.8	11,911.0	27.9	21.9	-114.44	-1,027.6	-354.3	472.1	425.6	46.49	10.156	
11,975.0	11,711.4	12,361.3	11,911.0	27.9	21.9	-113.94	-1,051.1	-354.2	468.4	422.0	46.42	10.091	
12,000.0	11,718.7	12,385.2	11,911.0	27.9	21.9	-113.49	-1,075.0	-354.0	465.4	419.0	46.38	10.035	
12,025.0	11,724.7	12,409.4	11,911.0	28.0	22.0	-113.10	-1,099.3	-353.9	462.9	416.6	46.36	9.985	
12,050.0	11,729.5	12,434.0	11,911.0	28.0	22.0	-112.77	-1,123.8	-353.7	461.0	414.7	46.38	9.941	
12,075.0	11,732.9	12,458.7	11,911.0	28.0	22.0	-112.52	-1,148.6	-353.5	459.7	413.3	46.42	9.903	
12,100.0	11,735.1	12,483.6	11,911.0	28.0	22.1	-112.37	-1,173.5	-353.4	458.9	412.4	46.49	9.871	
12,125.0	11,736.0	12,508.6	11,911.0	28.0	22.1	-112.30	-1,198.5	-353.2	458.5	412.0	46.58	9.843	
12,129.1	11,736.0	12,512.7	11,911.0	28.0	22.1	-112.30	-1,202.5	-353.2	458.5	411.9	46.60	9.839	
12,129.1	11,736.0	12,512.7	11,911.0	28.0	22.1	-112.30	-1,202.5	-353.2	458.5	411.9	46.60	9.839	
12,200.0	11,736.0	12,583.6	11,911.0	28.1	22.2	-112.30	-1,273.5	-352.7	458.5	411.6	46.94	9.769	
12,300.0	11,736.0	12,683.6	11,911.0	28.2	22.3	-112.30	-1,373.5	-352.1	458.5	411.1	47.46	9.662	
12,400.0	11,736.0	12,783.6	11,911.0	28.3	22.5	-112.30	-1,473.5	-351.4	458.5	410.5	48.02	9.549	
12,500.0	11,736.0	12,883.6	11,911.0	28.4	22.7	-112.30	-1,573.5	-350.8	458.5	409.9	48.62	9.431	
12,600.0	11,736.0	12,983.6	11,911.0	28.5	22.9	-112.30	-1,673.5	-350.1	458.5	409.3	49.26	9.308	
12,700.0	11,736.0	13,083.6	11,911.0	28.7	23.2	-112.30	-1,773.5	-349.5	458.5	408.6	49.94	9.181	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,800.0	11,736.0	13,183.6	11,911.0	28.9	23.5	-112.30	-1,873.5	-348.8	458.5	407.9	50.66	9.051	
12,900.0	11,736.0	13,283.6	11,911.0	29.1	23.8	-112.30	-1,973.5	-348.2	458.5	407.1	51.41	8.919	
13,000.0	11,736.0	13,383.6	11,911.0	29.3	24.1	-112.30	-2,073.4	-347.5	458.5	406.3	52.19	8.785	
13,100.0	11,736.0	13,483.6	11,911.0	29.5	24.5	-112.30	-2,173.4	-346.9	458.5	405.5	53.01	8.650	
13,200.0	11,736.0	13,583.6	11,911.0	29.8	24.9	-112.30	-2,273.4	-346.2	458.5	404.7	53.86	8.514	
13,300.0	11,736.0	13,683.6	11,911.0	30.0	25.3	-112.30	-2,373.4	-345.6	458.5	403.8	54.73	8.378	
13,400.0	11,736.0	13,783.6	11,911.0	30.3	25.7	-112.30	-2,473.4	-344.9	458.5	402.9	55.63	8.242	
13,500.0	11,736.0	13,883.6	11,911.0	30.7	26.2	-112.30	-2,573.4	-344.2	458.5	402.0	56.56	8.107	
13,600.0	11,736.0	13,983.6	11,911.0	31.0	26.7	-112.30	-2,673.4	-343.6	458.5	401.0	57.52	7.972	
13,700.0	11,736.0	14,083.6	11,911.0	31.4	27.2	-112.30	-2,773.4	-342.9	458.5	400.0	58.49	7.839	
13,800.0	11,736.0	14,183.6	11,911.0	31.7	27.7	-112.30	-2,873.4	-342.3	458.5	399.0	59.49	7.707	
13,900.0	11,736.0	14,283.6	11,911.0	32.1	28.3	-112.30	-2,973.4	-341.6	458.5	398.0	60.51	7.577	
14,000.0	11,736.0	14,383.6	11,911.0	32.5	28.8	-112.30	-3,073.4	-341.0	458.5	397.0	61.56	7.449	
14,100.0	11,736.0	14,483.6	11,911.0	33.0	29.4	-112.30	-3,173.4	-340.3	458.5	395.9	62.62	7.323	
14,200.0	11,736.0	14,583.6	11,911.0	33.4	30.0	-112.30	-3,273.4	-339.7	458.5	394.8	63.70	7.199	
14,300.0	11,736.0	14,683.6	11,911.0	33.9	30.5	-112.30	-3,373.4	-339.0	458.5	393.7	64.79	7.077	
14,400.0	11,736.0	14,783.6	11,911.0	34.4	31.1	-112.30	-3,473.4	-338.4	458.5	392.6	65.91	6.957	
14,500.0	11,736.0	14,883.6	11,911.0	34.9	31.7	-112.30	-3,573.4	-337.7	458.5	391.5	67.04	6.840	
14,600.0	11,736.0	14,983.6	11,911.0	35.4	32.4	-112.30	-3,673.4	-337.1	458.5	390.4	68.18	6.725	
14,700.0	11,736.0	15,083.6	11,911.0	35.9	33.0	-112.30	-3,773.4	-336.4	458.5	389.2	69.34	6.613	
14,800.0	11,736.0	15,183.6	11,911.0	36.4	33.6	-112.30	-3,873.4	-335.8	458.5	388.0	70.51	6.503	
14,900.0	11,736.0	15,283.6	11,911.0	37.0	34.3	-112.30	-3,973.4	-335.1	458.5	386.8	71.69	6.396	
15,000.0	11,736.0	15,383.6	11,911.0	37.5	34.9	-112.30	-4,073.4	-334.5	458.5	385.7	72.89	6.291	
15,100.0	11,736.0	15,483.6	11,911.0	38.1	35.5	-112.30	-4,173.4	-333.8	458.5	384.4	74.10	6.188	
15,200.0	11,736.0	15,583.6	11,911.0	38.7	36.2	-112.30	-4,273.4	-333.2	458.5	383.2	75.32	6.088	
15,300.0	11,736.0	15,683.6	11,911.0	39.2	36.9	-112.30	-4,373.4	-332.5	458.5	382.0	76.55	5.990	
15,400.0	11,736.0	15,783.6	11,911.0	39.8	37.5	-112.30	-4,473.4	-331.9	458.5	380.8	77.79	5.895	
15,500.0	11,736.0	15,883.6	11,911.0	40.4	38.2	-112.30	-4,573.4	-331.2	458.5	379.5	79.03	5.802	
15,600.0	11,736.0	15,983.6	11,911.0	41.0	38.9	-112.30	-4,673.4	-330.6	458.5	378.3	80.29	5.711	
15,700.0	11,736.0	16,083.6	11,911.0	41.7	39.5	-112.30	-4,773.4	-329.9	458.5	377.0	81.56	5.622	
15,800.0	11,736.0	16,183.6	11,911.0	42.3	40.2	-112.30	-4,873.4	-329.3	458.5	375.7	82.83	5.536	
15,900.0	11,736.0	16,283.6	11,911.0	42.9	40.9	-112.30	-4,973.4	-328.6	458.5	374.4	84.12	5.451	
16,000.0	11,736.0	16,383.6	11,911.0	43.5	41.6	-112.30	-5,073.4	-328.0	458.5	373.1	85.41	5.369	
16,100.0	11,736.0	16,483.6	11,911.0	44.2	42.3	-112.30	-5,173.4	-327.3	458.5	371.8	86.71	5.289	
16,200.0	11,736.0	16,583.6	11,911.0	44.8	43.0	-112.30	-5,273.4	-326.7	458.5	370.5	88.01	5.210	
16,300.0	11,736.0	16,683.6	11,911.0	45.4	43.7	-112.30	-5,373.4	-326.0	458.5	369.2	89.32	5.134	
16,400.0	11,736.0	16,783.6	11,911.0	46.1	44.4	-112.30	-5,473.4	-325.4	458.5	367.9	90.64	5.059	
16,500.0	11,736.0	16,883.6	11,911.0	46.7	45.1	-112.30	-5,573.4	-324.7	458.6	366.6	91.96	4.986	
16,600.0	11,736.0	16,983.6	11,911.0	47.4	45.8	-112.30	-5,673.4	-324.1	458.6	365.3	93.29	4.915	
16,700.0	11,736.0	17,083.6	11,911.0	48.1	46.5	-112.30	-5,773.4	-323.4	458.6	363.9	94.62	4.846	
16,800.0	11,736.0	17,183.6	11,911.0	48.7	47.2	-112.30	-5,873.4	-322.7	458.6	362.6	95.96	4.778	
16,900.0	11,736.0	17,283.6	11,911.0	49.4	47.9	-112.30	-5,973.4	-322.1	458.6	361.2	97.31	4.712	
17,000.0	11,736.0	17,383.6	11,911.0	50.1	48.6	-112.30	-6,073.4	-321.4	458.6	359.9	98.66	4.648	
17,100.0	11,736.0	17,483.6	11,911.0	50.7	49.3	-112.30	-6,173.4	-320.8	458.6	358.5	100.01	4.585	
17,200.0	11,736.0	17,583.6	11,911.0	51.4	50.0	-112.30	-6,273.4	-320.1	458.6	357.2	101.37	4.523	
17,300.0	11,736.0	17,683.6	11,911.0	52.1	50.7	-112.30	-6,373.4	-319.5	458.6	355.8	102.73	4.463	
17,400.0	11,736.0	17,783.6	11,911.0	52.8	51.4	-112.30	-6,473.4	-318.8	458.6	354.5	104.10	4.405	
17,500.0	11,736.0	17,883.6	11,911.0	53.4	52.2	-112.30	-6,573.4	-318.2	458.6	353.1	105.47	4.348	
17,600.0	11,736.0	17,983.6	11,911.0	54.1	52.9	-112.30	-6,673.4	-317.5	458.6	351.7	106.85	4.292	
17,700.0	11,736.0	18,083.6	11,911.0	54.8	53.6	-112.30	-6,773.3	-316.9	458.6	350.3	108.23	4.237	
17,800.0	11,736.0	18,183.6	11,911.0	55.5	54.3	-112.30	-6,873.3	-316.2	458.6	348.9	109.61	4.184	
17,900.0	11,736.0	18,283.6	11,911.0	56.2	55.0	-112.30	-6,973.3	-315.6	458.6	347.6	110.99	4.131	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #752H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11480-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
18,000.0	11,736.0	18,383.6	11,911.0	56.9	55.8	-112.30	-7,073.3	-314.9	458.6	346.2	112.38	4.080	
18,100.0	11,736.0	18,483.6	11,911.0	57.6	56.5	-112.30	-7,173.3	-314.3	458.6	344.8	113.77	4.030	
18,200.0	11,736.0	18,583.6	11,911.0	58.3	57.2	-112.30	-7,273.3	-313.6	458.6	343.4	115.17	3.982	
18,300.0	11,736.0	18,683.6	11,911.0	59.0	57.9	-112.30	-7,373.3	-313.0	458.6	342.0	116.57	3.934	
18,400.0	11,736.0	18,783.6	11,911.0	59.7	58.7	-112.30	-7,473.3	-312.3	458.6	340.6	117.97	3.887	
18,500.0	11,736.0	18,883.6	11,911.0	60.4	59.4	-112.30	-7,573.3	-311.7	458.6	339.2	119.37	3.841	
18,600.0	11,736.0	18,983.6	11,911.0	61.1	60.1	-112.30	-7,673.3	-311.0	458.6	337.8	120.78	3.797	
18,700.0	11,736.0	19,083.6	11,911.0	61.8	60.8	-112.30	-7,773.3	-310.4	458.6	336.4	122.18	3.753	
18,800.0	11,736.0	19,183.6	11,911.0	62.5	61.6	-112.30	-7,873.3	-309.7	458.6	335.0	123.60	3.710	
18,900.0	11,736.0	19,283.6	11,911.0	63.2	62.3	-112.30	-7,973.3	-309.1	458.6	333.6	125.01	3.668	
19,000.0	11,736.0	19,383.6	11,911.0	63.9	63.0	-112.30	-8,073.3	-308.4	458.6	332.1	126.42	3.627	
19,100.0	11,736.0	19,483.6	11,911.0	64.6	63.8	-112.30	-8,173.3	-307.8	458.6	330.7	127.84	3.587	
19,200.0	11,736.0	19,583.6	11,911.0	65.4	64.5	-112.30	-8,273.3	-307.1	458.6	329.3	129.26	3.548	
19,300.0	11,736.0	19,683.6	11,911.0	66.1	65.2	-112.30	-8,373.3	-306.5	458.6	327.9	130.68	3.509	
19,400.0	11,736.0	19,783.6	11,911.0	66.8	66.0	-112.30	-8,473.3	-305.8	458.6	326.5	132.11	3.471	
19,500.0	11,736.0	19,883.6	11,911.0	67.5	66.7	-112.30	-8,573.3	-305.2	458.6	325.0	133.53	3.434	
19,600.0	11,736.0	19,983.6	11,911.0	68.2	67.4	-112.30	-8,673.3	-304.5	458.6	323.6	134.96	3.398	
19,700.0	11,736.0	20,083.6	11,911.0	68.9	68.2	-112.30	-8,773.3	-303.9	458.6	322.2	136.39	3.362	
19,800.0	11,736.0	20,183.6	11,911.0	69.7	68.9	-112.30	-8,873.3	-303.2	458.6	320.7	137.82	3.327	
19,900.0	11,736.0	20,283.6	11,911.0	70.4	69.7	-112.30	-8,973.3	-302.6	458.6	319.3	139.25	3.293	
20,000.0	11,736.0	20,383.6	11,911.0	71.1	70.4	-112.30	-9,073.3	-301.9	458.6	317.9	140.69	3.259	
20,100.0	11,736.0	20,483.6	11,911.0	71.8	71.1	-112.30	-9,173.3	-301.2	458.6	316.4	142.12	3.227	
20,200.0	11,736.0	20,583.6	11,911.0	72.5	71.9	-112.30	-9,273.3	-300.6	458.6	315.0	143.56	3.194	
20,300.0	11,736.0	20,683.6	11,911.0	73.3	72.6	-112.30	-9,373.3	-299.9	458.6	313.6	145.00	3.163	
20,400.0	11,736.0	20,783.6	11,911.0	74.0	73.4	-112.30	-9,473.3	-299.3	458.6	312.1	146.44	3.131	
20,500.0	11,736.0	20,883.6	11,911.0	74.7	74.1	-112.30	-9,573.3	-298.6	458.6	310.7	147.88	3.101	
20,600.0	11,736.0	20,983.6	11,911.0	75.5	74.8	-112.30	-9,673.3	-298.0	458.6	309.2	149.33	3.071	
20,700.0	11,736.0	21,083.6	11,911.0	76.2	75.6	-112.30	-9,773.3	-297.3	458.6	307.8	150.77	3.041	
20,800.0	11,736.0	21,183.6	11,911.0	76.9	76.3	-112.30	-9,873.3	-296.7	458.6	306.4	152.22	3.013	
20,900.0	11,736.0	21,283.6	11,911.0	77.6	77.1	-112.30	-9,973.3	-296.0	458.6	304.9	153.66	2.984	
20,975.9	11,736.0	21,359.5	11,911.0	78.2	77.6	-112.30	-10,049.2	-295.5	458.6	303.8	154.76	2.963	
21,000.0	11,736.0	21,383.6	11,911.0	78.4	77.8	-112.30	-10,073.3	-295.4	458.6	303.5	155.11	2.956	
21,026.0	11,736.0	21,409.5	11,911.0	78.5	78.0	-112.30	-10,099.2	-295.2	458.6	303.1	155.48	2.949 SF	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error: 0.0 usft	
Survey Program:		0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS							Rule Assigned:				Offset Well Error: 3.0 usft	
Reference	Offset	Semi Major Axis				Offset Wellbore Centre			Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	2.0	2.0	3.0	3.0	123.90	-33.6	50.0	60.2	53.3	6.98	8.629		
100.0	100.0	102.0	102.0	3.1	3.1	123.90	-33.6	50.0	60.2	53.0	7.23	8.335		
200.0	200.0	202.0	202.0	3.2	3.3	123.90	-33.6	50.0	60.2	52.8	7.47	8.069		
300.0	300.0	302.0	302.0	3.4	3.4	123.90	-33.6	50.0	60.2	52.5	7.70	7.826		
400.0	400.0	402.0	402.0	3.5	3.5	123.90	-33.6	50.0	60.2	52.3	7.92	7.603		
500.0	500.0	502.0	502.0	3.6	3.6	123.90	-33.6	50.0	60.2	52.1	8.14	7.397		
600.0	600.0	602.0	602.0	3.7	3.7	123.90	-33.6	50.0	60.2	51.9	8.36	7.205		
700.0	700.0	702.0	702.0	3.9	3.9	123.90	-33.6	50.0	60.2	51.7	8.57	7.027		
800.0	800.0	802.0	802.0	4.0	4.0	123.90	-33.6	50.0	60.2	51.5	8.78	6.860		
900.0	900.0	902.0	902.0	4.1	4.1	123.90	-33.6	50.0	60.2	51.3	8.99	6.704		
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.90	-33.6	50.0	60.2	51.1	9.19	6.557		
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.90	-33.6	50.0	60.2	50.9	9.39	6.419		
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.90	-33.6	50.0	60.2	50.7	9.58	6.288		
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.90	-33.6	50.0	60.2	50.5	9.77	6.164		
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.90	-33.6	50.0	60.2	50.3	9.96	6.046		
1,500.0	1,500.0	1,502.0	1,502.0	4.8	4.8	123.90	-33.6	50.0	60.2	50.2	10.02	6.010 CC, ES		
1,600.0	1,600.0	1,602.0	1,602.0	5.0	5.0	-104.70	-33.6	50.0	60.7	50.6	10.07	6.026		
1,700.0	1,699.8	1,701.8	1,701.8	5.2	5.1	-109.33	-33.6	50.0	62.2	51.9	10.34	6.013		
1,800.0	1,799.5	1,801.5	1,801.5	5.5	5.3	-116.45	-33.6	50.0	65.6	55.0	10.64	6.168		
1,900.0	1,898.7	1,900.7	1,900.7	5.7	5.4	-125.03	-33.6	50.0	71.9	60.9	10.99	6.542		
2,000.0	1,997.5	1,999.5	1,999.5	6.0	5.6	-133.82	-33.6	50.0	81.9	70.5	11.43	7.166		
2,100.0	2,095.6	2,097.6	2,097.6	6.4	5.7	-141.81	-33.6	50.0	96.2	84.3	11.96	8.046		
2,200.0	2,193.1	2,195.1	2,195.1	6.7	5.8	-148.52	-33.6	50.0	114.9	102.3	12.54	9.163		
2,300.0	2,290.1	2,292.1	2,292.1	7.0	6.0	-153.81	-33.6	50.0	136.2	123.2	13.07	10.425		
2,400.0	2,387.1	2,389.1	2,389.1	7.4	6.1	-157.66	-33.6	50.0	158.4	144.8	13.59	11.651		
2,500.0	2,484.1	2,486.1	2,486.1	7.7	6.2	-160.56	-33.6	50.0	181.1	167.0	14.13	12.819		
2,600.0	2,581.2	2,583.2	2,583.2	8.1	6.3	-162.81	-33.6	50.0	204.1	189.5	14.67	13.919		
2,700.0	2,678.2	2,680.2	2,680.2	8.4	6.4	-164.61	-33.6	50.0	227.4	212.2	15.21	14.950		
2,800.0	2,775.2	2,777.2	2,777.2	8.8	6.6	-166.08	-33.6	50.0	250.9	235.1	15.77	15.911		
2,900.0	2,872.3	2,874.3	2,874.3	9.2	6.7	-167.29	-33.6	50.0	274.4	258.1	16.33	16.806		
3,000.0	2,969.3	2,971.3	2,971.3	9.6	6.8	-168.31	-33.6	50.0	298.1	281.2	16.90	17.639		
3,100.0	3,066.3	3,068.3	3,068.3	10.0	6.9	-169.18	-33.6	50.0	321.9	304.4	17.48	18.413		
3,200.0	3,163.4	3,165.4	3,165.4	10.4	7.0	-169.93	-33.6	50.0	345.7	327.6	18.07	19.134		
3,300.0	3,260.4	3,262.4	3,262.4	10.9	7.2	-170.59	-33.6	50.0	369.6	350.9	18.66	19.805		
3,400.0	3,357.4	3,359.4	3,359.4	11.3	7.3	-171.17	-33.6	50.0	393.5	374.2	19.26	20.429		
3,500.0	3,454.4	3,456.4	3,456.4	11.7	7.4	-171.68	-33.6	50.0	417.4	397.5	19.86	21.012		
3,600.0	3,551.5	3,553.5	3,553.5	12.2	7.5	-172.13	-33.6	50.0	441.4	420.9	20.48	21.556		
3,700.0	3,648.5	3,650.5	3,650.5	12.6	7.6	-172.54	-33.6	50.0	465.3	444.3	21.09	22.064		
3,800.0	3,745.5	3,747.5	3,747.5	13.0	7.7	-172.90	-33.6	50.0	489.4	467.6	21.71	22.539		
3,900.0	3,842.6	3,844.6	3,844.6	13.5	7.8	-173.24	-33.6	50.0	513.4	491.0	22.34	22.985		
4,000.0	3,939.6	3,941.6	3,941.6	13.9	7.9	-173.54	-33.6	50.0	537.4	514.5	22.96	23.402		
4,100.0	4,036.6	4,038.6	4,038.6	14.4	8.0	-173.82	-33.6	50.0	561.5	537.9	23.60	23.795		
4,200.0	4,133.6	4,135.6	4,135.6	14.9	8.2	-174.07	-33.6	50.0	585.5	561.3	24.23	24.164		
4,300.0	4,230.7	4,232.7	4,232.7	15.3	8.3	-174.31	-33.6	50.0	609.6	584.7	24.87	24.512		
4,400.0	4,327.7	4,329.7	4,329.7	15.8	8.4	-174.53	-33.6	50.0	633.7	608.2	25.51	24.839		
4,500.0	4,424.7	4,426.7	4,426.7	16.2	8.5	-174.73	-33.6	50.0	657.8	631.6	26.16	25.149		
4,600.0	4,521.8	4,523.8	4,523.8	16.7	8.6	-174.91	-33.6	50.0	681.9	655.1	26.80	25.441		
4,700.0	4,618.8	4,620.8	4,620.8	17.2	8.7	-175.09	-33.6	50.0	706.0	678.5	27.45	25.717		
4,800.0	4,715.8	4,717.8	4,717.8	17.6	8.8	-175.25	-33.6	50.0	730.1	702.0	28.10	25.979		
4,900.0	4,812.9	4,814.9	4,814.9	18.1	8.9	-175.40	-33.6	50.0	754.2	725.5	28.76	26.228		
5,000.0	4,909.9	4,911.9	4,911.9	18.6	9.0	-175.54	-33.6	50.0	778.3	748.9	29.41	26.464		
5,100.0	5,006.9	5,008.9	5,008.9	19.0	9.1	-175.68	-33.6	50.0	802.5	772.4	30.07	26.688		

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside		Offset Wellbore Centre		Distance		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor
5,200.0	5,103.9	5,105.9	5,105.9	19.5	9.2	-175.81		-33.6	50.0	826.6	795.9	30.73	26.901
5,300.0	5,201.0	5,203.0	5,203.0	20.0	9.3	-175.92		-33.6	50.0	850.7	819.3	31.39	27.104
5,400.0	5,298.0	5,300.0	5,300.0	20.5	9.4	-176.04		-33.6	50.0	874.9	842.8	32.05	27.297
5,500.0	5,395.0	5,397.0	5,397.0	20.9	9.5	-176.14		-33.6	50.0	899.0	866.3	32.71	27.482
5,556.1	5,449.5	5,451.5	5,451.5	21.2	9.6	-176.20		-33.6	50.0	912.6	879.5	33.07	27.591
5,600.0	5,492.1	5,494.1	5,494.1	21.4	9.6	-176.25		-33.6	50.0	923.0	889.6	33.35	27.673
5,700.0	5,589.5	5,591.5	5,591.5	21.9	9.7	-176.36		-33.6	50.0	945.5	911.5	34.01	27.801
5,800.0	5,687.3	5,689.3	5,689.3	22.3	9.8	-176.45		-33.6	50.0	966.4	931.7	34.66	27.882
5,900.0	5,785.4	5,787.4	5,787.4	22.8	9.9	-176.53		-33.6	50.0	985.5	950.2	35.30	27.918
11,379.1	11,258.5	12,221.1	11,737.0	27.7	16.0	-91.35		-722.3	67.7	972.9	928.7	44.21	22.009
11,400.0	11,279.5	12,221.5	11,737.0	27.7	16.0	-91.35		-722.8	67.7	962.8	918.9	43.91	21.929
11,425.0	11,304.4	12,223.3	11,737.0	27.7	16.1	-92.79		-724.5	67.8	951.3	907.6	43.70	21.767
11,450.0	11,329.2	12,226.3	11,737.0	27.7	16.1	-94.05		-727.6	67.8	940.3	896.8	43.50	21.618
11,475.0	11,353.8	12,230.7	11,737.0	27.7	16.1	-95.12		-731.9	67.8	930.0	886.7	43.29	21.483
11,500.0	11,378.2	12,236.3	11,737.0	27.7	16.1	-96.02		-737.5	67.8	920.3	877.2	43.08	21.360
11,525.0	11,402.2	12,243.2	11,737.0	27.7	16.1	-96.73		-744.4	67.9	911.2	868.3	42.88	21.250
11,550.0	11,425.8	12,251.3	11,737.0	27.7	16.1	-97.28		-752.6	67.9	902.9	860.2	42.68	21.153
11,575.0	11,449.0	12,260.7	11,737.0	27.7	16.2	-97.66		-762.0	68.0	895.2	852.7	42.49	21.068
11,600.0	11,471.7	12,271.3	11,737.0	27.7	16.2	-97.89		-772.5	68.1	888.2	845.9	42.31	20.993
11,625.0	11,493.7	12,283.0	11,737.0	27.7	16.2	-97.98		-784.3	68.1	881.9	839.8	42.14	20.929
11,650.0	11,515.2	12,295.9	11,737.0	27.7	16.3	-97.93		-797.1	68.2	876.3	834.3	41.98	20.874
11,675.0	11,535.9	12,309.9	11,737.0	27.8	16.3	-97.76		-811.1	68.3	871.3	829.5	41.84	20.826
11,700.0	11,555.8	12,324.9	11,737.0	27.8	16.3	-97.49		-826.2	68.4	867.0	825.3	41.71	20.784
11,725.0	11,575.0	12,341.0	11,737.0	27.8	16.4	-97.13		-842.2	68.5	863.2	821.6	41.61	20.747
11,750.0	11,593.3	12,358.0	11,737.0	27.8	16.5	-96.68		-859.3	68.6	860.0	818.5	41.52	20.715
11,775.0	11,610.6	12,376.0	11,737.0	27.8	16.5	-96.17		-877.3	68.8	857.3	815.9	41.45	20.686
11,800.0	11,627.0	12,394.9	11,737.0	27.8	16.6	-95.61		-896.2	68.9	855.1	813.7	41.39	20.659
11,825.0	11,642.4	12,414.6	11,737.0	27.8	16.6	-95.02		-915.9	69.0	853.3	811.9	41.36	20.631
11,850.0	11,656.7	12,435.1	11,737.0	27.8	16.7	-94.40		-936.3	69.1	851.9	810.5	41.35	20.603
11,875.0	11,670.0	12,456.3	11,737.0	27.9	16.8	-93.78		-957.5	69.3	850.8	809.4	41.35	20.574
11,900.0	11,682.1	12,478.1	11,737.0	27.9	16.9	-93.17		-979.4	69.4	849.9	808.5	41.37	20.543
11,925.0	11,693.1	12,500.6	11,737.0	27.9	16.9	-92.58		-1,001.9	69.6	849.3	807.9	41.41	20.511
11,950.0	11,702.8	12,523.6	11,737.0	27.9	17.0	-92.02		-1,024.9	69.7	848.9	807.4	41.46	20.473
11,975.0	11,711.4	12,547.1	11,737.0	27.9	17.1	-91.51		-1,048.4	69.9	848.6	807.1	41.53	20.432
12,000.0	11,718.7	12,571.0	11,737.0	27.9	17.2	-91.06		-1,072.3	70.0	848.4	806.8	41.61	20.388
12,025.0	11,724.7	12,595.3	11,737.0	28.0	17.3	-90.68		-1,096.5	70.2	848.3	806.6	41.71	20.340
12,050.0	11,729.5	12,619.8	11,737.0	28.0	17.4	-90.37		-1,121.1	70.3	848.3	806.5	41.82	20.286
12,075.0	11,732.9	12,644.6	11,737.0	28.0	17.5	-90.14		-1,145.8	70.5	848.3	806.3	41.94	20.228
12,098.0	11,735.0	12,667.5	11,737.0	28.0	17.6	-90.00		-1,168.8	70.6	848.3	806.2	42.05	20.171
12,100.0	11,735.1	12,669.5	11,737.0	28.0	17.6	-89.99		-1,170.7	70.7	848.3	806.2	42.06	20.166
12,125.0	11,736.0	12,694.5	11,737.0	28.0	17.7	-89.93		-1,195.7	70.8	848.3	806.1	42.20	20.101
12,129.1	11,736.0	12,698.5	11,737.0	28.0	17.7	-89.93		-1,199.8	70.9	848.3	806.0	42.22	20.090
12,200.0	11,736.0	12,769.5	11,737.0	28.1	18.0	-89.93		-1,270.7	71.3	848.3	805.6	42.65	19.889
12,300.0	11,736.0	12,869.5	11,737.0	28.2	18.4	-89.93		-1,370.7	72.0	848.3	805.0	43.30	19.592
12,400.0	11,736.0	12,969.5	11,737.0	28.3	18.9	-89.93		-1,470.7	72.6	848.3	804.3	43.98	19.286
12,500.0	11,736.0	13,069.5	11,737.0	28.4	19.3	-89.93		-1,570.7	73.3	848.3	803.6	44.71	18.971
12,600.0	11,736.0	13,169.5	11,737.0	28.5	19.8	-89.93		-1,670.7	73.9	848.3	802.8	45.48	18.651
12,700.0	11,736.0	13,269.5	11,737.0	28.7	20.3	-89.93		-1,770.7	74.6	848.3	802.0	46.28	18.327
12,800.0	11,736.0	13,369.5	11,737.0	28.9	20.9	-89.93		-1,870.7	75.2	848.3	801.1	47.12	18.001
12,900.0	11,736.0	13,469.5	11,737.0	29.1	21.4	-89.93		-1,970.7	75.9	848.3	800.3	48.00	17.674
13,000.0	11,736.0	13,569.5	11,737.0	29.3	22.0	-89.93		-2,070.7	76.5	848.3	799.4	48.90	17.348
13,100.0	11,736.0	13,669.5	11,737.0	29.5	22.5	-89.93		-2,170.7	77.2	848.3	798.4	49.83	17.023

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
13,200.0	11,736.0	13,769.5	11,737.0	29.8	23.1	-89.93	-2,270.7	77.8	848.3	797.5	50.79	16.701	
13,300.0	11,736.0	13,869.5	11,737.0	30.0	23.7	-89.93	-2,370.7	78.5	848.3	796.5	51.78	16.383	
13,400.0	11,736.0	13,969.5	11,737.0	30.3	24.3	-89.93	-2,470.7	79.1	848.3	795.5	52.79	16.069	
13,500.0	11,736.0	14,069.5	11,737.0	30.7	24.9	-89.93	-2,570.7	79.8	848.3	794.4	53.82	15.760	
13,600.0	11,736.0	14,169.5	11,737.0	31.0	25.5	-89.93	-2,670.7	80.4	848.3	793.4	54.88	15.457	
13,700.0	11,736.0	14,269.5	11,737.0	31.4	26.1	-89.93	-2,770.7	81.1	848.3	792.3	55.96	15.159	
13,800.0	11,736.0	14,369.5	11,737.0	31.7	26.8	-89.93	-2,870.7	81.7	848.3	791.2	57.06	14.868	
13,900.0	11,736.0	14,469.5	11,737.0	32.1	27.4	-89.93	-2,970.7	82.4	848.3	790.1	58.17	14.582	
14,000.0	11,736.0	14,569.5	11,737.0	32.5	28.0	-89.93	-3,070.7	83.0	848.3	789.0	59.30	14.304	
14,100.0	11,736.0	14,669.5	11,737.0	33.0	28.7	-89.93	-3,170.7	83.7	848.3	787.8	60.45	14.032	
14,200.0	11,736.0	14,769.5	11,737.0	33.4	29.3	-89.93	-3,270.7	84.3	848.3	786.7	61.62	13.767	
14,300.0	11,736.0	14,869.5	11,737.0	33.9	30.0	-89.93	-3,370.7	85.0	848.3	785.5	62.80	13.508	
14,400.0	11,736.0	14,969.5	11,737.0	34.4	30.7	-89.93	-3,470.7	85.6	848.3	784.3	63.99	13.256	
14,500.0	11,736.0	15,069.5	11,737.0	34.9	31.3	-89.93	-3,570.7	86.3	848.3	783.1	65.20	13.011	
14,600.0	11,736.0	15,169.5	11,737.0	35.4	32.0	-89.93	-3,670.7	86.9	848.3	781.9	66.42	12.772	
14,700.0	11,736.0	15,269.5	11,737.0	35.9	32.7	-89.93	-3,770.7	87.6	848.3	780.6	67.65	12.540	
14,800.0	11,736.0	15,369.5	11,737.0	36.4	33.4	-89.93	-3,870.7	88.2	848.3	779.4	68.89	12.314	
14,900.0	11,736.0	15,469.5	11,737.0	37.0	34.0	-89.93	-3,970.6	88.9	848.3	778.1	70.14	12.094	
15,000.0	11,736.0	15,569.5	11,737.0	37.5	34.7	-89.93	-4,070.6	89.5	848.3	776.9	71.40	11.880	
15,100.0	11,736.0	15,669.5	11,737.0	38.1	35.4	-89.93	-4,170.6	90.2	848.3	775.6	72.67	11.672	
15,200.0	11,736.0	15,769.5	11,737.0	38.7	36.1	-89.93	-4,270.6	90.8	848.3	774.3	73.95	11.470	
15,300.0	11,736.0	15,869.5	11,737.0	39.2	36.8	-89.93	-4,370.6	91.5	848.3	773.0	75.24	11.274	
15,400.0	11,736.0	15,969.5	11,737.0	39.8	37.5	-89.93	-4,470.6	92.1	848.3	771.7	76.54	11.083	
15,500.0	11,736.0	16,069.5	11,737.0	40.4	38.2	-89.93	-4,570.6	92.8	848.3	770.4	77.84	10.897	
15,600.0	11,736.0	16,169.5	11,737.0	41.0	38.9	-89.93	-4,670.6	93.4	848.3	769.1	79.15	10.717	
15,700.0	11,736.0	16,269.5	11,737.0	41.7	39.6	-89.93	-4,770.6	94.1	848.3	767.8	80.47	10.541	
15,800.0	11,736.0	16,369.5	11,737.0	42.3	40.3	-89.93	-4,870.6	94.8	848.3	766.5	81.80	10.371	
15,900.0	11,736.0	16,469.5	11,737.0	42.9	41.0	-89.93	-4,970.6	95.4	848.3	765.1	83.13	10.204	
16,000.0	11,736.0	16,569.5	11,737.0	43.5	41.7	-89.93	-5,070.6	96.1	848.3	763.8	84.46	10.043	
16,100.0	11,736.0	16,669.5	11,737.0	44.2	42.5	-89.93	-5,170.6	96.7	848.3	762.5	85.81	9.886	
16,200.0	11,736.0	16,769.5	11,737.0	44.8	43.2	-89.93	-5,270.6	97.4	848.3	761.1	87.15	9.733	
16,300.0	11,736.0	16,869.5	11,737.0	45.4	43.9	-89.93	-5,370.6	98.0	848.3	759.8	88.51	9.584	
16,400.0	11,736.0	16,969.5	11,737.0	46.1	44.6	-89.93	-5,470.6	98.7	848.3	758.4	89.87	9.439	
16,500.0	11,736.0	17,069.5	11,737.0	46.7	45.3	-89.93	-5,570.6	99.3	848.3	757.0	91.23	9.298	
16,600.0	11,736.0	17,169.5	11,737.0	47.4	46.1	-89.93	-5,670.6	100.0	848.3	755.7	92.60	9.161	
16,700.0	11,736.0	17,269.5	11,737.0	48.1	46.8	-89.93	-5,770.6	100.6	848.3	754.3	93.97	9.027	
16,800.0	11,736.0	17,369.5	11,737.0	48.7	47.5	-89.93	-5,870.6	101.3	848.3	752.9	95.34	8.897	
16,900.0	11,736.0	17,469.5	11,737.0	49.4	48.2	-89.93	-5,970.6	101.9	848.3	751.6	96.72	8.770	
17,000.0	11,736.0	17,569.5	11,737.0	50.1	48.9	-89.93	-6,070.6	102.6	848.3	750.2	98.10	8.647	
17,100.0	11,736.0	17,669.5	11,737.0	50.7	49.7	-89.93	-6,170.6	103.2	848.3	748.8	99.49	8.526	
17,200.0	11,736.0	17,769.5	11,737.0	51.4	50.4	-89.93	-6,270.6	103.9	848.3	747.4	100.88	8.409	
17,300.0	11,736.0	17,869.5	11,737.0	52.1	51.1	-89.93	-6,370.6	104.5	848.3	746.0	102.27	8.294	
17,400.0	11,736.0	17,969.5	11,737.0	52.8	51.9	-89.93	-6,470.6	105.2	848.3	744.6	103.67	8.182	
17,500.0	11,736.0	18,069.5	11,737.0	53.4	52.6	-89.93	-6,570.6	105.8	848.3	743.2	105.07	8.073	
17,600.0	11,736.0	18,169.5	11,737.0	54.1	53.3	-89.93	-6,670.6	106.5	848.3	741.8	106.47	7.967	
17,700.0	11,736.0	18,269.5	11,737.0	54.8	54.1	-89.93	-6,770.6	107.1	848.3	740.4	107.88	7.863	
17,800.0	11,736.0	18,369.5	11,737.0	55.5	54.8	-89.93	-6,870.6	107.8	848.3	739.0	109.29	7.762	
17,900.0	11,736.0	18,469.5	11,737.0	56.2	55.5	-89.93	-6,970.6	108.4	848.3	737.6	110.70	7.663	
18,000.0	11,736.0	18,569.5	11,737.0	56.9	56.3	-89.93	-7,070.6	109.1	848.3	736.2	112.11	7.566	
18,100.0	11,736.0	18,669.5	11,737.0	57.6	57.0	-89.93	-7,170.6	109.7	848.3	734.7	113.53	7.472	
18,200.0	11,736.0	18,769.5	11,737.0	58.3	57.7	-89.93	-7,270.6	110.4	848.3	733.3	114.94	7.380	
18,300.0	11,736.0	18,869.5	11,737.0	59.0	58.5	-89.93	-7,370.6	111.0	848.3	731.9	116.36	7.290	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #753H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11260-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Rule Assigned:	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			Minimum Separation (usft)	Separation Factor
18,400.0	11,736.0	18,969.5	11,737.0	59.7	59.2	-89.93	-7,470.6	111.7	848.3	730.5			117.79	7.202
18,500.0	11,736.0	19,069.5	11,737.0	60.4	60.0	-89.93	-7,570.6	112.3	848.3	729.1			119.21	7.116
18,600.0	11,736.0	19,169.5	11,737.0	61.1	60.7	-89.93	-7,670.6	113.0	848.3	727.6			120.64	7.032
18,700.0	11,736.0	19,269.5	11,737.0	61.8	61.4	-89.93	-7,770.6	113.6	848.3	726.2			122.06	6.949
18,800.0	11,736.0	19,369.5	11,737.0	62.5	62.2	-89.93	-7,870.6	114.3	848.3	724.8			123.49	6.869
18,900.0	11,736.0	19,469.5	11,737.0	63.2	62.9	-89.93	-7,970.6	114.9	848.3	723.3			124.93	6.790
19,000.0	11,736.0	19,569.5	11,737.0	63.9	63.7	-89.93	-8,070.6	115.6	848.3	721.9			126.36	6.713
19,100.0	11,736.0	19,669.5	11,737.0	64.6	64.4	-89.93	-8,170.6	116.2	848.3	720.5			127.80	6.638
19,200.0	11,736.0	19,769.5	11,737.0	65.4	65.1	-89.93	-8,270.6	116.9	848.3	719.0			129.23	6.564
19,300.0	11,736.0	19,869.5	11,737.0	66.1	65.9	-89.93	-8,370.6	117.5	848.3	717.6			130.67	6.492
19,400.0	11,736.0	19,969.5	11,737.0	66.8	66.6	-89.93	-8,470.6	118.2	848.3	716.2			132.11	6.421
19,500.0	11,736.0	20,069.5	11,737.0	67.5	67.4	-89.93	-8,570.6	118.8	848.3	714.7			133.55	6.352
19,600.0	11,736.0	20,169.5	11,737.0	68.2	68.1	-89.93	-8,670.5	119.5	848.3	713.3			134.99	6.284
19,700.0	11,736.0	20,269.5	11,737.0	68.9	68.9	-89.93	-8,770.5	120.1	848.3	711.8			136.44	6.217
19,800.0	11,736.0	20,369.5	11,737.0	69.7	69.6	-89.93	-8,870.5	120.8	848.3	710.4			137.88	6.152
19,900.0	11,736.0	20,469.5	11,737.0	70.4	70.4	-89.93	-8,970.5	121.4	848.3	708.9			139.33	6.088
20,000.0	11,736.0	20,569.5	11,737.0	71.1	71.1	-89.93	-9,070.5	122.1	848.3	707.5			140.78	6.026
20,100.0	11,736.0	20,669.5	11,737.0	71.8	71.8	-89.93	-9,170.5	122.7	848.3	706.0			142.23	5.964
20,200.0	11,736.0	20,769.5	11,737.0	72.5	72.6	-89.93	-9,270.5	123.4	848.3	704.6			143.68	5.904
20,300.0	11,736.0	20,869.5	11,737.0	73.3	73.3	-89.93	-9,370.5	124.0	848.3	703.1			145.13	5.845
20,400.0	11,736.0	20,969.5	11,737.0	74.0	74.1	-89.93	-9,470.5	124.7	848.3	701.7			146.58	5.787
20,500.0	11,736.0	21,069.5	11,737.0	74.7	74.8	-89.93	-9,570.5	125.4	848.3	700.2			148.04	5.730
20,600.0	11,736.0	21,169.5	11,737.0	75.5	75.6	-89.93	-9,670.5	126.0	848.3	698.8			149.49	5.674
20,700.0	11,736.0	21,269.5	11,737.0	76.2	76.3	-89.93	-9,770.5	126.7	848.3	697.3			150.95	5.620
20,800.0	11,736.0	21,369.5	11,737.0	76.9	77.1	-89.93	-9,870.5	127.3	848.3	695.9			152.40	5.566
20,900.0	11,736.0	21,469.5	11,737.0	77.6	77.8	-89.93	-9,970.5	128.0	848.3	694.4			153.86	5.513
20,975.9	11,736.0	21,545.4	11,737.0	78.2	78.4	-89.93	-10,046.5	128.4	848.3	693.3			154.97	5.474
21,000.0	11,736.0	21,569.5	11,737.0	78.4	78.6	-89.93	-10,070.5	128.6	848.3	693.0			155.32	5.462
21,026.0	11,736.0	21,595.4	11,737.0	78.5	78.8	-89.93	-10,096.5	128.8	848.3	692.6			155.69	5.448 SF

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #754H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11463-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Offset Wellbore Centre		Distance		Rule Assigned:		Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	2.0	2.0	3.0	3.0	123.81	-50.3	75.1	90.3	83.4	6.98	12.940	
100.0	100.0	102.0	102.0	3.1	3.1	123.81	-50.3	75.1	90.3	83.1	7.23	12.498	
200.0	200.0	202.0	202.0	3.2	3.3	123.81	-50.3	75.1	90.3	82.9	7.47	12.100	
300.0	300.0	302.0	302.0	3.4	3.4	123.81	-50.3	75.1	90.3	82.6	7.70	11.736	
400.0	400.0	402.0	402.0	3.5	3.5	123.81	-50.3	75.1	90.3	82.4	7.92	11.401	
500.0	500.0	502.0	502.0	3.6	3.6	123.81	-50.3	75.1	90.3	82.2	8.14	11.092	
600.0	600.0	602.0	602.0	3.7	3.7	123.81	-50.3	75.1	90.3	82.0	8.36	10.805	
700.0	700.0	702.0	702.0	3.9	3.9	123.81	-50.3	75.1	90.3	81.8	8.57	10.538	
800.0	800.0	802.0	802.0	4.0	4.0	123.81	-50.3	75.1	90.3	81.6	8.78	10.288	
900.0	900.0	902.0	902.0	4.1	4.1	123.81	-50.3	75.1	90.3	81.3	8.99	10.053	
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.81	-50.3	75.1	90.3	81.1	9.19	9.833	
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.81	-50.3	75.1	90.3	80.9	9.38	9.626	
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.81	-50.3	75.1	90.3	80.8	9.58	9.429	
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.81	-50.3	75.1	90.3	80.6	9.77	9.243	
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.81	-50.3	75.1	90.3	80.4	9.96	9.067	
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.81	-50.3	75.1	90.3	80.2	10.09	8.956 CC, ES, SF	
1,500.0	1,500.0	1,502.0	1,502.0	4.8	4.8	123.81	-50.3	75.1	90.3	80.3	10.02	9.014	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-104.91	-50.0	76.8	92.1	82.1	10.04	9.178	
1,700.0	1,699.8	1,696.4	1,696.3	5.2	5.1	-109.52	-49.4	81.7	97.8	87.4	10.39	9.415	
1,800.0	1,799.5	1,792.1	1,791.6	5.5	5.3	-115.95	-48.4	89.8	108.6	97.8	10.79	10.060	
1,900.0	1,898.7	1,886.0	1,884.9	5.7	5.5	-122.84	-47.1	100.8	125.4	114.2	11.27	11.134	
2,000.0	1,997.5	1,981.5	1,979.4	6.0	5.8	-129.32	-45.5	114.0	148.0	136.3	11.78	12.562	
2,100.0	2,095.6	2,076.5	2,073.5	6.4	6.0	-134.79	-43.9	127.1	174.6	162.2	12.36	14.128	
2,200.0	2,193.1	2,170.5	2,166.6	6.7	6.3	-139.32	-42.3	140.1	204.9	192.0	12.97	15.795	
2,300.0	2,290.1	2,263.9	2,259.0	7.0	6.6	-143.27	-40.7	153.0	237.7	224.1	13.58	17.508	
2,400.0	2,387.1	2,357.2	2,351.5	7.4	6.8	-146.27	-39.1	165.9	271.2	257.0	14.19	19.114	
2,500.0	2,484.1	2,450.6	2,443.9	7.7	7.1	-148.61	-37.5	178.8	305.3	290.4	14.82	20.598	
2,600.0	2,581.2	2,543.9	2,536.4	8.1	7.4	-150.49	-35.9	191.7	339.7	324.2	15.47	21.961	
2,700.0	2,678.2	2,637.3	2,628.8	8.4	7.8	-152.02	-34.4	204.6	374.3	358.2	16.13	23.210	
2,800.0	2,775.2	2,730.7	2,721.3	8.8	8.1	-153.30	-32.8	217.5	409.2	392.4	16.81	24.351	
2,900.0	2,872.3	2,824.0	2,813.7	9.2	8.4	-154.37	-31.2	230.4	444.3	426.8	17.49	25.393	
3,000.0	2,969.3	2,917.4	2,906.2	9.6	8.7	-155.29	-29.6	243.3	479.4	461.2	18.20	26.346	
3,100.0	3,066.3	3,010.7	2,998.6	10.0	9.1	-156.09	-28.0	256.2	514.6	495.7	18.91	27.218	
3,200.0	3,163.4	3,104.1	3,091.1	10.4	9.4	-156.78	-26.4	269.1	550.0	530.3	19.63	28.016	
3,300.0	3,260.4	3,197.5	3,183.5	10.9	9.8	-157.39	-24.9	282.0	585.3	565.0	20.36	28.748	
3,400.0	3,357.4	3,290.8	3,276.0	11.3	10.1	-157.93	-23.3	294.9	620.8	599.7	21.10	29.421	
3,500.0	3,454.4	3,384.2	3,368.4	11.7	10.5	-158.41	-21.7	307.8	656.2	634.4	21.85	30.041	
3,600.0	3,551.5	3,477.6	3,460.9	12.2	10.9	-158.84	-20.1	320.6	691.8	669.2	22.60	30.612	
3,700.0	3,648.5	3,570.9	3,553.4	12.6	11.2	-159.23	-18.5	333.5	727.3	703.9	23.36	31.140	
3,800.0	3,745.5	3,664.3	3,645.8	13.0	11.6	-159.59	-16.9	346.4	762.9	738.7	24.12	31.629	
3,900.0	3,842.6	3,757.6	3,738.3	13.5	12.0	-159.91	-15.4	359.3	798.5	773.6	24.89	32.083	
4,000.0	3,939.6	3,851.0	3,830.7	13.9	12.3	-160.20	-13.8	372.2	834.1	808.4	25.66	32.504	
4,100.0	4,036.6	3,944.4	3,923.2	14.4	12.7	-160.48	-12.2	385.1	869.7	843.3	26.44	32.897	
4,200.0	4,133.6	4,037.7	4,015.6	14.9	13.1	-160.73	-10.6	398.0	905.3	878.1	27.22	33.263	
4,300.0	4,230.7	4,131.1	4,108.1	15.3	13.5	-160.96	-9.0	410.9	941.0	913.0	28.00	33.604	
4,400.0	4,327.7	4,224.4	4,200.5	15.8	13.8	-161.17	-7.4	423.8	976.7	947.9	28.79	33.928	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #755H - OWB - PWP0													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11339-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	2.0	2.0	3.0	3.0	123.82	-67.1	100.2	120.6	113.6	6.98	17.280		
100.0	100.0	102.0	102.0	3.1	3.1	123.82	-67.1	100.2	120.6	113.4	7.23	16.690		
200.0	200.0	202.0	202.0	3.2	3.3	123.82	-67.1	100.2	120.6	113.2	7.47	16.158		
300.0	300.0	302.0	302.0	3.4	3.4	123.82	-67.1	100.2	120.6	112.9	7.70	15.672		
400.0	400.0	402.0	402.0	3.5	3.5	123.82	-67.1	100.2	120.6	112.7	7.92	15.225		
500.0	500.0	502.0	502.0	3.6	3.6	123.82	-67.1	100.2	120.6	112.5	8.14	14.812		
600.0	600.0	602.0	602.0	3.7	3.7	123.82	-67.1	100.2	120.6	112.3	8.36	14.429		
700.0	700.0	702.0	702.0	3.9	3.9	123.82	-67.1	100.2	120.6	112.1	8.57	14.072		
800.0	800.0	802.0	802.0	4.0	4.0	123.82	-67.1	100.2	120.6	111.9	8.78	13.738		
900.0	900.0	902.0	902.0	4.1	4.1	123.82	-67.1	100.2	120.6	111.6	8.99	13.425		
1,000.0	1,000.0	1,002.0	1,002.0	4.2	4.2	123.82	-67.1	100.2	120.6	111.4	9.19	13.131		
1,100.0	1,100.0	1,102.0	1,102.0	4.3	4.3	123.82	-67.1	100.2	120.6	111.2	9.38	12.854		
1,200.0	1,200.0	1,202.0	1,202.0	4.5	4.5	123.82	-67.1	100.2	120.6	111.1	9.58	12.592		
1,300.0	1,300.0	1,302.0	1,302.0	4.6	4.6	123.82	-67.1	100.2	120.6	110.9	9.77	12.343		
1,400.0	1,400.0	1,402.0	1,402.0	4.7	4.7	123.82	-67.1	100.2	120.6	110.7	9.96	12.108		
1,466.0	1,466.0	1,468.0	1,468.0	4.8	4.8	123.82	-67.1	100.2	120.6	110.5	10.09	11.959 CC, ES, SF		
1,500.0	1,500.0	1,501.9	1,501.9	4.8	4.8	123.82	-67.1	100.2	120.6	110.6	10.02	12.037		
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-104.44	-67.0	102.0	122.5	112.4	10.05	12.189		
1,700.0	1,699.8	1,694.7	1,694.5	5.2	5.1	-107.79	-66.7	106.8	128.1	117.7	10.40	12.318		
1,800.0	1,799.5	1,789.6	1,789.1	5.5	5.2	-112.70	-66.1	114.8	138.5	127.7	10.79	12.832		
1,900.0	1,898.7	1,882.7	1,881.6	5.7	5.5	-118.28	-65.4	125.7	154.4	143.2	11.24	13.745		
2,000.0	1,997.5	1,973.6	1,971.4	6.0	5.8	-123.77	-64.4	139.2	176.7	165.0	11.75	15.046		
2,100.0	2,095.6	2,061.7	2,058.1	6.4	6.1	-128.67	-63.3	155.0	205.6	193.3	12.31	16.711		
2,200.0	2,193.1	2,150.7	2,145.2	6.7	6.4	-132.98	-62.0	173.2	240.7	227.8	12.90	18.658		
2,300.0	2,290.1	2,241.7	2,234.2	7.0	6.7	-137.01	-60.7	192.1	278.4	264.9	13.49	20.645		
2,400.0	2,387.1	2,332.7	2,323.2	7.4	7.0	-140.09	-59.4	210.9	317.1	303.0	14.09	22.504		
2,500.0	2,484.1	2,423.7	2,412.2	7.7	7.3	-142.52	-58.1	229.8	356.4	341.7	14.72	24.218		
2,600.0	2,581.2	2,514.7	2,501.2	8.1	7.6	-144.46	-56.8	248.7	396.1	380.8	15.36	25.789		
2,700.0	2,678.2	2,605.7	2,590.3	8.4	7.9	-146.06	-55.4	267.6	436.2	420.2	16.02	27.223		
2,800.0	2,775.2	2,696.7	2,679.3	8.8	8.2	-147.39	-54.1	286.4	476.5	459.8	16.70	28.530		
2,900.0	2,872.3	2,787.7	2,768.3	9.2	8.6	-148.51	-52.8	305.3	517.0	499.6	17.40	29.719		
3,000.0	2,969.3	2,878.7	2,857.3	9.6	8.9	-149.47	-51.5	324.2	557.6	539.5	18.10	30.803		
3,100.0	3,066.3	2,969.7	2,946.3	10.0	9.3	-150.30	-50.2	343.0	598.3	579.5	18.82	31.791		
3,200.0	3,163.4	3,060.7	3,035.3	10.4	9.6	-151.03	-48.8	361.9	639.2	619.6	19.55	32.694		
3,300.0	3,260.4	3,151.7	3,124.3	10.9	10.0	-151.67	-47.5	380.8	680.1	659.8	20.29	33.519		
3,400.0	3,357.4	3,242.7	3,213.3	11.3	10.4	-152.24	-46.2	399.7	721.1	700.0	21.04	34.276		
3,500.0	3,454.4	3,333.7	3,302.3	11.7	10.8	-152.74	-44.9	418.5	762.1	740.3	21.79	34.970		
3,600.0	3,551.5	3,424.7	3,391.4	12.2	11.2	-153.20	-43.6	437.4	803.2	780.6	22.56	35.608		
3,700.0	3,648.5	3,515.7	3,480.4	12.6	11.5	-153.61	-42.2	456.3	844.3	820.9	23.32	36.197		
3,800.0	3,745.5	3,606.7	3,569.4	13.0	11.9	-153.98	-40.9	475.2	885.4	861.3	24.10	36.740		
3,900.0	3,842.6	3,697.7	3,658.4	13.5	12.3	-154.32	-39.6	494.0	926.6	901.7	24.88	37.243		
4,000.0	3,939.6	3,788.7	3,747.4	13.9	12.7	-154.63	-38.3	512.9	967.8	942.1	25.66	37.708		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #756H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11575-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	3.0	3.0	3.0	123.79	-83.9	125.4	150.9	143.9	6.98	21.609	
100.0	100.0	103.0	103.0	3.1	3.1	123.79	-83.9	125.4	150.9	143.6	7.23	20.868	
200.0	200.0	203.0	203.0	3.2	3.3	123.79	-83.9	125.4	150.9	143.4	7.47	20.203	
300.0	300.0	303.0	303.0	3.4	3.4	123.79	-83.9	125.4	150.9	143.2	7.70	19.595	
400.0	400.0	403.0	403.0	3.5	3.5	123.79	-83.9	125.4	150.9	142.9	7.92	19.037	
500.0	500.0	503.0	503.0	3.6	3.6	123.79	-83.9	125.4	150.9	142.7	8.15	18.520	
600.0	600.0	603.0	603.0	3.7	3.7	123.79	-83.9	125.4	150.9	142.5	8.36	18.041	
700.0	700.0	703.0	703.0	3.9	3.9	123.79	-83.9	125.4	150.9	142.3	8.57	17.595	
800.0	800.0	803.0	803.0	4.0	4.0	123.79	-83.9	125.4	150.9	142.1	8.78	17.178	
900.0	900.0	903.0	903.0	4.1	4.1	123.79	-83.9	125.4	150.9	141.9	8.99	16.787	
1,000.0	1,000.0	1,003.0	1,003.0	4.2	4.2	123.79	-83.9	125.4	150.9	141.7	9.19	16.420	
1,100.0	1,100.0	1,103.0	1,103.0	4.3	4.3	123.79	-83.9	125.4	150.9	141.5	9.39	16.073	
1,200.0	1,200.0	1,203.0	1,203.0	4.5	4.5	123.79	-83.9	125.4	150.9	141.3	9.58	15.745	
1,300.0	1,300.0	1,303.0	1,303.0	4.6	4.6	123.79	-83.9	125.4	150.9	141.1	9.77	15.435	
1,400.0	1,400.0	1,403.0	1,403.0	4.7	4.7	123.79	-83.9	125.4	150.9	140.9	9.96	15.140	
1,465.6	1,465.6	1,468.6	1,468.6	4.8	4.8	123.79	-83.9	125.4	150.9	140.8	10.09	14.955 CC, ES, SF	
1,500.0	1,500.0	1,502.9	1,502.9	4.8	4.8	123.79	-83.9	125.4	150.9	140.8	10.02	15.050	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-104.18	-83.8	127.1	152.7	142.7	10.05	15.194	
1,700.0	1,699.8	1,693.9	1,693.7	5.2	5.0	-106.80	-83.7	131.9	158.4	148.0	10.41	15.217	
1,800.0	1,799.5	1,787.9	1,787.5	5.5	5.2	-110.73	-83.4	139.8	168.5	157.7	10.79	15.614	
1,900.0	1,898.7	1,880.3	1,879.2	5.7	5.5	-115.36	-83.0	150.6	183.9	172.7	11.22	16.391	
2,000.0	1,997.5	1,970.5	1,968.4	6.0	5.8	-120.12	-82.6	163.9	205.3	193.6	11.71	17.535	
2,100.0	2,095.6	2,058.0	2,054.5	6.4	6.1	-124.59	-82.0	179.5	232.9	220.7	12.24	19.029	
2,200.0	2,193.1	2,142.5	2,137.1	6.7	6.4	-128.51	-81.4	197.1	266.9	254.1	12.81	20.841	
2,300.0	2,290.1	2,226.9	2,219.2	7.0	6.7	-132.36	-80.7	216.9	306.0	292.6	13.37	22.885	
2,400.0	2,387.1	2,316.6	2,306.2	7.4	7.0	-135.57	-79.9	238.6	346.7	332.8	13.96	24.830	
2,500.0	2,484.1	2,406.4	2,393.3	7.7	7.3	-138.12	-79.2	260.3	388.2	373.6	14.58	26.626	
2,600.0	2,581.2	2,496.1	2,480.4	8.1	7.6	-140.19	-78.4	282.0	430.2	415.0	15.22	28.271	
2,700.0	2,678.2	2,585.8	2,567.4	8.4	7.9	-141.89	-77.7	303.7	472.6	456.8	15.88	29.771	
2,800.0	2,775.2	2,675.6	2,654.5	8.8	8.3	-143.32	-76.9	325.4	515.3	498.8	16.55	31.138	
2,900.0	2,872.3	2,765.3	2,741.6	9.2	8.6	-144.53	-76.2	347.1	558.2	541.0	17.24	32.381	
3,000.0	2,969.3	2,855.0	2,828.6	9.6	8.9	-145.57	-75.4	368.8	601.3	583.4	17.94	33.512	
3,100.0	3,066.3	2,944.8	2,915.7	10.0	9.3	-146.48	-74.6	390.5	644.6	625.9	18.66	34.543	
3,200.0	3,163.4	3,034.5	3,002.8	10.4	9.7	-147.26	-73.9	412.2	687.9	668.5	19.39	35.483	
3,300.0	3,260.4	3,124.2	3,089.8	10.9	10.0	-147.96	-73.1	433.9	731.4	711.3	20.13	36.341	
3,400.0	3,357.4	3,213.9	3,176.9	11.3	10.4	-148.58	-72.4	455.6	774.9	754.0	20.87	37.125	
3,500.0	3,454.4	3,303.7	3,264.0	11.7	10.8	-149.13	-71.6	477.3	818.5	796.9	21.63	37.845	
3,600.0	3,551.5	3,393.4	3,351.0	12.2	11.2	-149.63	-70.9	499.0	862.1	839.8	22.39	38.505	
3,700.0	3,648.5	3,483.1	3,438.1	12.6	11.6	-150.08	-70.1	520.6	905.8	882.7	23.16	39.112	
3,800.0	3,745.5	3,572.9	3,525.1	13.0	12.0	-150.49	-69.3	542.3	949.6	925.6	23.94	39.672	
3,900.0	3,842.6	3,662.6	3,612.2	13.5	12.4	-150.86	-68.6	564.0	993.3	968.6	24.72	40.189	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Offset Design: ZIA HILLS UNIT 2032 PROJECT - ZIA HILLS UNIT 2032 WC #757H - OWB - PWP0												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1, 11461-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Distance	Rule Assigned:									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	3.0	3.0	3.0	3.0	123.78	-100.7	150.5	181.1	174.1	6.98	25.937	
100.0	100.0	103.0	103.0	3.1	3.1	123.78	-100.7	150.5	181.1	173.8	7.23	25.048	
200.0	200.0	203.0	203.0	3.2	3.3	123.78	-100.7	150.5	181.1	173.6	7.47	24.249	
300.0	300.0	303.0	303.0	3.4	3.4	123.78	-100.7	150.5	181.1	173.4	7.70	23.520	
400.0	400.0	403.0	403.0	3.5	3.5	123.78	-100.7	150.5	181.1	173.1	7.92	22.849	
500.0	500.0	503.0	503.0	3.6	3.6	123.78	-100.7	150.5	181.1	172.9	8.15	22.230	
600.0	600.0	603.0	603.0	3.7	3.7	123.78	-100.7	150.5	181.1	172.7	8.36	21.655	
700.0	700.0	703.0	703.0	3.9	3.9	123.78	-100.7	150.5	181.1	172.5	8.57	21.119	
800.0	800.0	803.0	803.0	4.0	4.0	123.78	-100.7	150.5	181.1	172.3	8.78	20.619	
900.0	900.0	903.0	903.0	4.1	4.1	123.78	-100.7	150.5	181.1	172.1	8.99	20.149	
1,000.0	1,000.0	1,003.0	1,003.0	4.2	4.2	123.78	-100.7	150.5	181.1	171.9	9.19	19.708	
1,100.0	1,100.0	1,103.0	1,103.0	4.3	4.3	123.78	-100.7	150.5	181.1	171.7	9.39	19.292	
1,200.0	1,200.0	1,203.0	1,203.0	4.5	4.5	123.78	-100.7	150.5	181.1	171.5	9.58	18.899	
1,300.0	1,300.0	1,303.0	1,303.0	4.6	4.6	123.78	-100.7	150.5	181.1	171.3	9.77	18.526	
1,400.0	1,400.0	1,403.0	1,403.0	4.7	4.7	123.78	-100.7	150.5	181.1	171.1	9.96	18.172	
1,465.6	1,465.6	1,468.6	1,468.6	4.8	4.8	123.78	-100.7	150.5	181.1	171.0	10.09	17.951 CC, ES, SF	
1,500.0	1,500.0	1,502.9	1,502.9	4.8	4.8	123.78	-100.7	150.5	181.1	171.0	10.02	18.065	
1,600.0	1,600.0	1,600.0	1,600.0	5.0	4.9	-104.03	-100.6	152.2	182.9	172.9	10.05	18.194	
1,700.0	1,699.8	1,692.2	1,692.1	5.2	5.0	-106.15	-100.6	156.9	188.6	178.1	10.41	18.112	
1,800.0	1,799.5	1,785.5	1,785.0	5.5	5.2	-109.41	-100.4	164.7	198.5	187.7	10.79	18.395	
1,900.0	1,898.7	1,877.1	1,876.0	5.7	5.5	-113.36	-100.2	175.3	213.4	202.2	11.21	19.043	
2,000.0	1,997.5	1,966.5	1,964.5	6.0	5.8	-117.54	-100.0	188.4	234.0	222.3	11.67	20.044	
2,100.0	2,095.6	2,053.4	2,050.0	6.4	6.1	-121.60	-99.7	203.8	260.6	248.4	12.19	21.383	
2,200.0	2,193.1	2,137.4	2,132.1	6.7	6.4	-125.29	-99.4	221.1	293.4	280.7	12.74	23.033	
2,300.0	2,290.1	2,218.7	2,211.2	7.0	6.7	-128.96	-99.1	240.2	331.3	318.0	13.28	24.945	
2,400.0	2,387.1	2,300.0	2,289.6	7.4	7.0	-131.98	-98.7	261.5	373.0	359.1	13.85	26.930	
2,500.0	2,484.1	2,386.0	2,372.3	7.7	7.3	-134.58	-98.3	285.2	416.7	402.3	14.43	28.878	
2,600.0	2,581.2	2,474.3	2,457.2	8.1	7.6	-136.76	-97.9	309.5	461.1	446.0	15.06	30.621	
2,700.0	2,678.2	2,562.6	2,542.1	8.4	7.9	-138.56	-97.5	333.8	505.9	490.2	15.71	32.211	
2,800.0	2,775.2	2,650.9	2,627.0	8.8	8.2	-140.08	-97.0	358.2	551.1	534.8	16.37	33.659	
2,900.0	2,872.3	2,739.2	2,711.9	9.2	8.6	-141.37	-96.6	382.5	596.6	579.5	17.06	34.975	
3,000.0	2,969.3	2,827.5	2,796.8	9.6	8.9	-142.48	-96.2	406.8	642.3	624.5	17.76	36.171	
3,100.0	3,066.3	2,915.9	2,881.6	10.0	9.3	-143.44	-95.8	431.2	688.1	669.6	18.47	37.259	
3,200.0	3,163.4	3,004.2	2,966.5	10.4	9.7	-144.29	-95.3	455.5	734.0	714.9	19.19	38.250	
3,300.0	3,260.4	3,092.5	3,051.4	10.9	10.0	-145.03	-94.9	479.9	780.1	760.2	19.93	39.152	
3,400.0	3,357.4	3,180.8	3,136.3	11.3	10.4	-145.70	-94.5	504.2	826.3	805.6	20.67	39.975	
3,500.0	3,454.4	3,269.1	3,221.2	11.7	10.8	-146.29	-94.1	528.5	872.5	851.1	21.42	40.729	
3,600.0	3,551.5	3,357.4	3,306.1	12.2	11.2	-146.82	-93.6	552.9	918.9	896.7	22.18	41.420	
3,700.0	3,648.5	3,445.8	3,391.0	12.6	11.6	-147.31	-93.2	577.2	965.2	942.3	22.95	42.055	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP0	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL @ 3173.0usft

Offset Depths are relative to Offset Datum

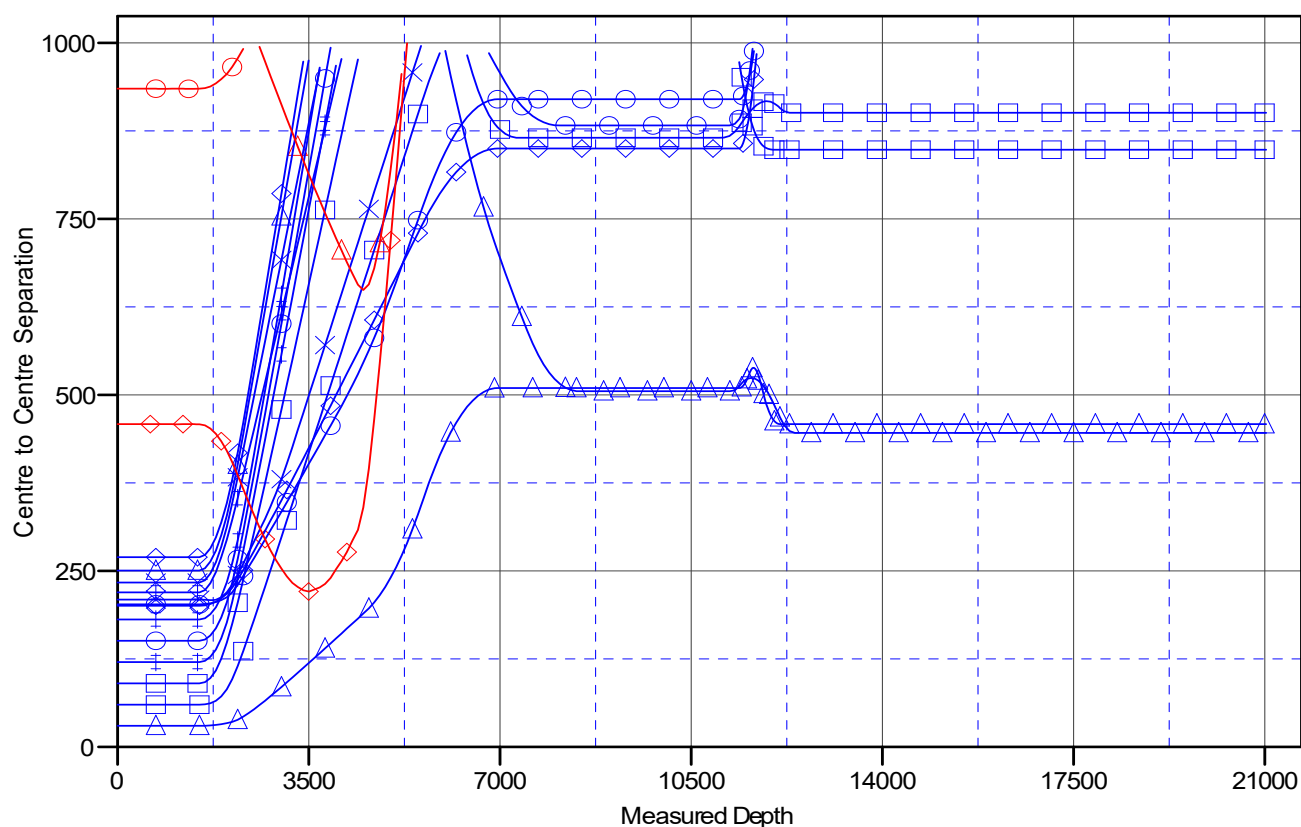
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #751H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.33°

Ladder Plot



LEGEND

ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #709H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #716H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #708H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #708H, OWB, PWP0 V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #702H, OWB, PWP0 V0	CONOCO FEDERAL #1, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #701H, OWB, PWP0 V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #754H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWP0 V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #707H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWP0 V0	
ZIA HILLS UNIT 2032 WC #752H, OWB, PWP0 V0	ZIA HILLS UNIT 2032 WC #706H, OWB, PWP0 V0	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Project:	LEA PROSPECT (NM-E)	TVD Reference:	GL @ 3173.0usft
Reference Site:	ZIA HILLS UNIT 2032 PROJECT	MD Reference:	GL @ 3173.0usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWPO	Offset TVD Reference:	Offset Datum

Reference Depths are relative to GL @ 3173.0usft

Offset Depths are relative to Offset Datum

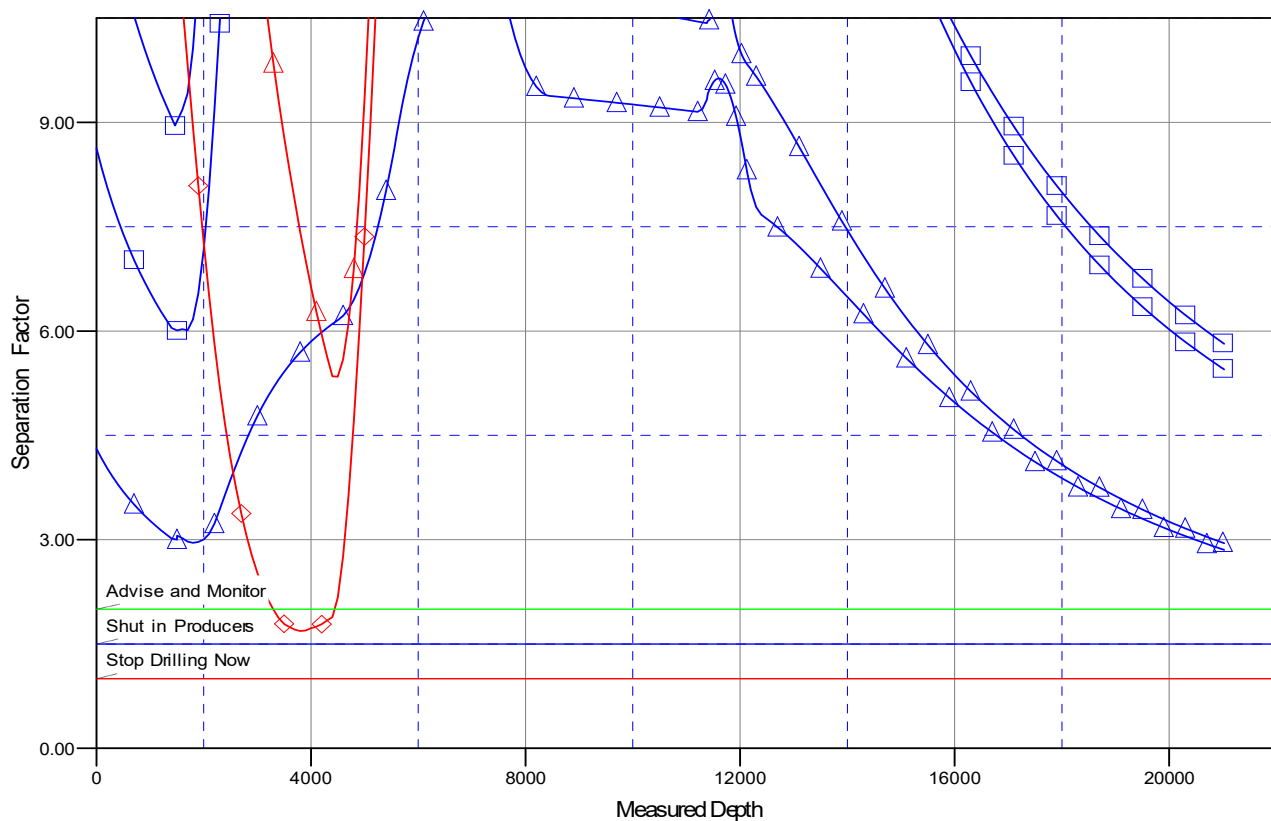
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ZIA HILLS UNIT 2032 WC #751H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30

Grid Convergence at Surface is: 0.33°

Separation Factor Plot



LEGEND

ZIA HILLS UNIT 2032 WC #751H, OWB, PWPO V0	ZIA HILLS UNIT 2032 WC #705H, OWB, PWPO V0	*ZIA HILLS UNIT 1932 WC #711H, OWB, PWPO V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWPO V0	ZIA HILLS UNIT 2032 WC #706H, OWB, PWPO V0	*ZIA HILLS UNIT 1932 WC #706H, OWB, PWPO V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWPO V0	ZIA HILLS UNIT 2032 WC #702H, OWB, PWPO V0	CONOCO FEDERAL #1, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWPO V0	ZIA HILLS UNIT 2032 WC #703H, OWB, PWPO V0	RUSSELL FEDERAL #12, OWB, AWP V0
ZIA HILLS UNIT 2032 WC #751H, OWB, PWPO V0	ZIA HILLS UNIT 2032 WC #704H, OWB, PWPO V0	RUSSELL FEDERAL #6 (P&A), OWB, AWP V0
ZIA HILLS UNIT 2032 WC #705H, OWB, PWPO V0		
ZIA HILLS UNIT 2032 WC #752H, OWB, PWPO V0		

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

BOPE Break Testing Variance

Initial and 21 Day Testing of 10K BOP's:

Component	High Test Pressure	Low Test Pressure	Duration
Annular Preventer	5,000 psig	250 psig	10 min
Rams	5,000 psig	250 psig	10 min
Manifold	5,000 psig	250 psig	10 min
Wellhead	1,500 psig	-	10 min
Upper / Lower / Kelly Valves	5,000 psig	250 psig	10 min
TIW safety valves / Dart	5,000 psig	250 psig	10 min
Standpipe and mud line to pumps	5,000 psig	250 psig	10 min
Surface Casing (with 8.4 ppg fluid)	1,500 psig	-	30 min

*Equipment satisfies 10M BOPE but break test variance applies to 5M system

COG Production LLC formally requests variance from the minimum standards for well control equipment testing of Onshore Order No. 2 (item III.A.2.a.i) to allow break/shell testing of blowout preventor (BOP) and blowout prevention equipment (BOPE) during batch drilling operations of the intermediate hole section. This variance only applies to 5M BOPE or less formation.

Initial testing of the BOP will be conducted, verifying all components of BOP, BOPE, and choke manifold meet the minimum and maximum anticipated surface pressure (MASP) in accordance with API RP 53 and Onshore Order No. 2, reference table above. Once initial test pressures are achieved, shell testing of the BOP and choke manifold would be conducted within the time limit from initial test to the congruent 21-day test. A complete pressure test of the BOPE components will be completed no later than 21 days following the completion of the initial pressure test or latest complete BOP pressure test date succeeding the initial test, per API RP 53 (6.5.3.4.1 (d)).

BOP and BOPE Testing

- Minimum of Class 3 stack arrangement with one set of blind/blind shear rams and pipe rams shall be installed for a 5K pressure rated system per API RP 53 (6.1.2.9)
 - Classification - COP minimum of Class 3 arrangement apply for all Delaware Basin area wells.
 - Arrangement - Annular preventer, upper pipe rams, blind rams, mud cross, lower pipe rams
- Complete BOP and BOPE test performed at initial installation on well pad.
 - Initial test performed on well with deepest planned intermediate hole section (allowable 200' TVD variance between intermediate hole sections)
 - Annular preventer tested to 100 percent of MASP, or 70 percent of rated working pressure (RWP), whichever is greater.
 - Notify BLM 4 Hrs. prior to testing
- Complete BOP and BOPE test every 21 days in accordance with API RP 53 (6.5.3.4.1 (d)).
- BOP/BOPE shell test (inclusive of manifold shell test) performed during batch drilling operations during rig transition between wells (within the 21-day time limit per API RP 53).
- Function test BOP elements per API RP 53 (6.5.3.1).
 - Required on (1) initial installation of stack, (2) every 7 days, (3) after repair/replacement of any control components
 - Alternate between drillers panel and remote panel

Securing the Wellhead

- Prior to moving rig off check for flow
 - Ensure floats are holding, casing is full of kill mud and backside is static.
- Secure the well with sleeve/plug with BPV
- Disconnect BOP from the wellhead and walk with the rig to another well on the pad.
 - Utilizing BOP wrangler/cradle, maintaining control and upright position of the BOP during movement
- Once BOP is separated from wellhead the Temporary Abandonment (TA) cap will be installed per Wellhead vendor procedure and pressure inside the casing will be monitored via the valve on the TA cap as per standard batch drilling ops.
- Test TA cap to 5,000 psi for 10 min.

COG Production LLC believes that the combination of drilling fluid inside the casing, abandonment plug with BPV, casing and annular valves and the TA cap provide multiple barriers to ensure complete closure of the wellbore prior to skidding/walking the rig.

Break Testing

- Skid rig over the next well on pad and center over wellhead, N/U BOP with the use of the BOP quick connect.
- Shell test the BOP and choke manifold to 5,000 psig and 250 psig. Hold each test for 10 minutes.
 - In accordance with API RP 53 (6.5.3.4.1(b)) BOP shell test will satisfy pressure test of quick connect seals
 - Notify BLM 4 hours prior to testing
- RWP of BOP quick connect is 10K (Certificate of Conformance attached)

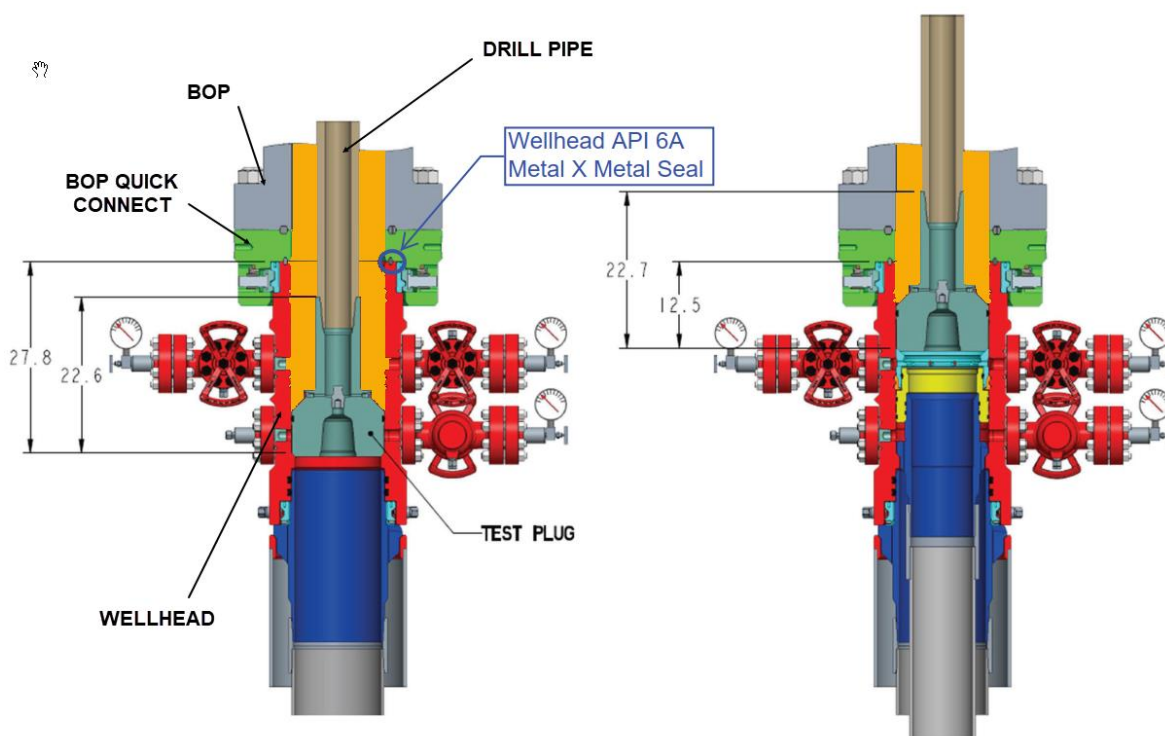


Figure 1: Test plug installed (The orange sections above indicate the areas exposed to the pressure test)

Example Well Control Plan Content

A. Well Control Component Table

This table, combined with the mud program, documents that two barriers to flow can be maintained at all times, independent of the BOP nipped up to the wellhead.

Intermediate hole section, 5M requirement

Component	RWP
Pack-off	10M
Casing Wellhead Valves	10M
Annular Wellhead Valves	5M
TA Plug	10M
Float Valves	5M
2" 1502 Lo-Torque Valves	10M

B. Well Control Procedures

Well control procedures are specific to the rig equipment and the operation at the time the kick occurs. Below are the minimal high-level tasks prescribed to assure a proper shut-in while circulating.

General Procedure

1. Sound alarm (alert crew).
2. Shut down pumps.
3. Shut-in Well (close valves to rig pits and open valve to rig choke line. Rig choke will already be in the closed position).
4. Confirm shut in.
5. Notify tool pusher/company representative.
6. Read and record the following:
 - a. SICP (Shut in Casing Pressure) and AP (Annular Pressure)
 - b. Pit gain
 - c. Time
 - d. Regroup and identify forward plan to continue circulating out kick via rig choke and mud/gas separator. Circulate and adjust mud density as needed to control well.

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H

1. Geologic Formations

TVD of target	11,736' EOL	Pilot hole depth	NA
MD at TD:	21,026'	Deepest expected fresh water:	202'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1234	Water	
Top of Salt	1554	Salt	
Base of Salt	3965	Salt	
Lamar	4235	Salt Water	
Bell Canyon	4270	Salt Water	
Cherry Canyon	5205	Oil/Gas	
Brushy Canyon	6650	Oil/Gas	
Bone Spring	8310	Oil/Gas	
1st Bone Spring Sand	9291	Oil/Gas	
2nd Bone Spring Sand	9891	Oil/Gas	
3rd Bone Spring Sand	11087	Oil/Gas	
Wolfcamp	11561	Oil/Gas	
Wolfcamp A	11726	Target	
Wolfcamp B	12015	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
17.50"	0	1410	13.375"	54.5	J55	BTC	1.75	1.57	11.10	11.83
12.25"	0	4140	9.625"	40	L80-IC	BTC	1.80	1.31	5.53	5.72
8.75"	3940	11250	7.625"	29.7	P110-ICY	W513	1.26	1.57	3.20	1.92
6.75"	0	11050	5.5"	23	P110-CY	BTC	1.87	2.18	2.87	2.87
6.75"	11050	21,026	5.5"	23	P110-CY	W441	1.76	2.06	2.70	2.45
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 43 CFR Part 3170 Subpart 3172

The 5 1/2" W441 casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H

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

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H

3. Cementing Program

Casing	# Sks	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	840	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Int. #1	610	12.8	1.75	9.21	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	390	14.8	1.35	6.6	8	Tail: Class C + 2% CaCl ₂
Inter. #2 (Liner)	200	10.5	3.3	22	24	Tuned light
	90	14.8	1.35	6.6	8	Tail: Class H
Prod	780	12.5	1.48	10.7	72	Lead: 50:50:10 H Blend
	750	13.2	1.34	5.7	19	Tail: 50:50:2 Class H Blend

Volumes Subject to Observed Hole Conditions and/or Fluid Caliper Results

Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
2 nd Intermediate	3,940'	20%
Production	10,750'	20% OH in Lateral (KOP to EOL)

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
Y	A variance is requested for the use of BOPE break testing on intermediate skids (in accordance with the 30 day full BOPE test requirements).

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	x	Tested to:
12-1/4" or 9-7/8"	13-5/8"	5M	Annular	x	2500psi
			Blind Ram	x	5000psi
			Pipe Ram	x	
			Double Ram	x	
			Other*		
6-3/4"	13-5/8"	10M	5M Annular	x	5000psi
			Blind Ram	x	10000psi
			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 43 CFR Part 3170 Subpart 3172 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 43 CFR Part 3170 Subpart 3172.
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 43 CFR Part 3170 Subpart 3172 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.

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H

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	9-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
9-5/8" Int shoe	7-5/8" Int shoe	Brine	8.4 - 10	28-34	N/C
7-5/8" Int shoe	Lateral TD	OBM	9.6 - 13.5	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	

ConocoPhillips Company - Zia Hills Unit 2032 WC 751H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8240 psi at 11736' TVD
Abnormal Temperature	NO 175 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 43 CFR Part 3170 Subpart 3176. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

x	H ₂ S Plan.
x	BOP & Choke Schematics.
x	Directional Plan

DELAWARE BASIN EAST

LEA PROSPECT (NM-E)

ZIA HILLS UNIT 2032 PROJECT

ZIA HILLS UNIT 2032 WC #751H

OWB

Plan: PWP0

Standard Planning Report

25 January, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project	LEA 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		

Site	ZIA HILLS UNIT 2032 PROJECT		
Site Position:		Northing:	374,625.63 usft
From:	Map	Easting:	698,628.10 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 42.026 N
		Longitude:	103° 41' 32.623 W

Well	ZIA HILLS UNIT 2032 WC #751H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft	Wellhead Elevation:	
Grid Convergence:	0.33 °		
		Latitude:	32° 1' 40.747 N
		Longitude:	103° 42' 10.047 W
		Ground Level:	3,173.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	12/31/2023	6.33	59.53	47,265.04486599

Design	PWP0				
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	184.07	

Plan Survey Tool Program	Date	1/25/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP0 (OWB)	r.5 SDI_KPR_WL_NS-CT		
			SDI Keeper Wireline Gyrocomp		
2	1,500.0	11,379.1 PWP0 (OWB)	r.5 MWD+IFR1		
			OWSG MWD + IFR1 rev.5		
3	11,379.1	21,026.0 PWP0 (OWB)	r.5 MWD+IFR1+MS		
			OWSG MWD + IFR1 + Multi-St		

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,200.0	14.00	227.00	2,193.1	-58.0	-62.2	2.00	2.00	0.00	227.00	
5,556.1	14.00	227.00	5,449.5	-611.8	-656.0	0.00	0.00	0.00	0.00	
6,956.1	0.00	0.00	6,835.6	-727.8	-780.5	1.00	-1.00	0.00	180.00	
11,379.1	0.00	0.00	11,258.5	-727.8	-780.5	0.00	0.00	0.00	0.00	
12,129.1	90.00	179.63	11,736.0	-1,205.3	-777.4	12.00	12.00	23.95	179.63	
20,975.9	90.00	179.63	11,736.0	-10,052.0	-719.8	0.00	0.00	0.00	0.00	
21,026.0	90.00	179.63	11,736.0	-10,102.0	-719.5	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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	227.00	1,600.0	-1.2	-1.3	1.3	2.00	2.00	0.00
1,700.0	4.00	227.00	1,699.8	-4.8	-5.1	5.1	2.00	2.00	0.00
1,800.0	6.00	227.00	1,799.5	-10.7	-11.5	11.5	2.00	2.00	0.00
1,900.0	8.00	227.00	1,898.7	-19.0	-20.4	20.4	2.00	2.00	0.00
2,000.0	10.00	227.00	1,997.5	-29.7	-31.8	31.9	2.00	2.00	0.00
2,100.0	12.00	227.00	2,095.6	-42.7	-45.8	45.8	2.00	2.00	0.00
2,200.0	14.00	227.00	2,193.1	-58.0	-62.2	62.3	2.00	2.00	0.00
Start 3356.1 hold at 2200.0 MD									
2,300.0	14.00	227.00	2,290.1	-74.5	-79.9	80.0	0.00	0.00	0.00
2,400.0	14.00	227.00	2,387.1	-91.0	-97.6	97.7	0.00	0.00	0.00
2,500.0	14.00	227.00	2,484.1	-107.5	-115.3	115.5	0.00	0.00	0.00
2,600.0	14.00	227.00	2,581.2	-124.0	-133.0	133.2	0.00	0.00	0.00
2,700.0	14.00	227.00	2,678.2	-140.5	-150.7	150.9	0.00	0.00	0.00
2,800.0	14.00	227.00	2,775.2	-157.0	-168.4	168.6	0.00	0.00	0.00
2,900.0	14.00	227.00	2,872.3	-173.5	-186.1	186.3	0.00	0.00	0.00
3,000.0	14.00	227.00	2,969.3	-190.0	-203.8	204.0	0.00	0.00	0.00
3,100.0	14.00	227.00	3,066.3	-206.5	-221.5	221.7	0.00	0.00	0.00
3,200.0	14.00	227.00	3,163.4	-223.0	-239.2	239.5	0.00	0.00	0.00
3,300.0	14.00	227.00	3,260.4	-239.5	-256.9	257.2	0.00	0.00	0.00
3,400.0	14.00	227.00	3,357.4	-256.0	-274.6	274.9	0.00	0.00	0.00
3,500.0	14.00	227.00	3,454.4	-272.5	-292.2	292.6	0.00	0.00	0.00
3,600.0	14.00	227.00	3,551.5	-289.0	-309.9	310.3	0.00	0.00	0.00
3,700.0	14.00	227.00	3,648.5	-305.5	-327.6	328.0	0.00	0.00	0.00
3,800.0	14.00	227.00	3,745.5	-322.0	-345.3	345.7	0.00	0.00	0.00
3,900.0	14.00	227.00	3,842.6	-338.5	-363.0	363.5	0.00	0.00	0.00
4,000.0	14.00	227.00	3,939.6	-355.0	-380.7	381.2	0.00	0.00	0.00
4,100.0	14.00	227.00	4,036.6	-371.5	-398.4	398.9	0.00	0.00	0.00
4,200.0	14.00	227.00	4,133.6	-388.0	-416.1	416.6	0.00	0.00	0.00
4,300.0	14.00	227.00	4,230.7	-404.5	-433.8	434.3	0.00	0.00	0.00
4,400.0	14.00	227.00	4,327.7	-421.0	-451.5	452.0	0.00	0.00	0.00
4,500.0	14.00	227.00	4,424.7	-437.5	-469.2	469.7	0.00	0.00	0.00
4,600.0	14.00	227.00	4,521.8	-454.0	-486.9	487.5	0.00	0.00	0.00
4,700.0	14.00	227.00	4,618.8	-470.5	-504.6	505.2	0.00	0.00	0.00
4,800.0	14.00	227.00	4,715.8	-487.0	-522.3	522.9	0.00	0.00	0.00
4,900.0	14.00	227.00	4,812.9	-503.5	-539.9	540.6	0.00	0.00	0.00
5,000.0	14.00	227.00	4,909.9	-520.0	-557.6	558.3	0.00	0.00	0.00
5,100.0	14.00	227.00	5,006.9	-536.5	-575.3	576.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	14.00	227.00	5,103.9	-553.0	-593.0	593.7	0.00	0.00	0.00
5,300.0	14.00	227.00	5,201.0	-569.5	-610.7	611.5	0.00	0.00	0.00
5,400.0	14.00	227.00	5,298.0	-586.0	-628.4	629.2	0.00	0.00	0.00
5,500.0	14.00	227.00	5,395.0	-602.5	-646.1	646.9	0.00	0.00	0.00
5,556.1	14.00	227.00	5,449.5	-611.8	-656.0	656.8	0.00	0.00	0.00
Start Drop -1.00									
5,600.0	13.56	227.00	5,492.1	-618.9	-663.7	664.5	1.00	-1.00	0.00
5,700.0	12.56	227.00	5,589.5	-634.3	-680.2	681.0	1.00	-1.00	0.00
5,800.0	11.56	227.00	5,687.3	-648.6	-695.5	696.3	1.00	-1.00	0.00
5,900.0	10.56	227.00	5,785.4	-661.6	-709.5	710.4	1.00	-1.00	0.00
6,000.0	9.56	227.00	5,883.9	-673.6	-722.3	723.2	1.00	-1.00	0.00
6,100.0	8.56	227.00	5,982.7	-684.3	-733.8	734.7	1.00	-1.00	0.00
6,200.0	7.56	227.00	6,081.7	-693.9	-744.1	745.0	1.00	-1.00	0.00
6,300.0	6.56	227.00	6,180.9	-702.2	-753.1	754.0	1.00	-1.00	0.00
6,400.0	5.56	227.00	6,280.3	-709.4	-760.8	761.7	1.00	-1.00	0.00
6,500.0	4.56	227.00	6,380.0	-715.5	-767.2	768.2	1.00	-1.00	0.00
6,600.0	3.56	227.00	6,479.7	-720.3	-772.4	773.3	1.00	-1.00	0.00
6,700.0	2.56	227.00	6,579.6	-723.9	-776.3	777.3	1.00	-1.00	0.00
6,800.0	1.56	227.00	6,679.5	-726.4	-779.0	779.9	1.00	-1.00	0.00
6,900.0	0.56	227.00	6,779.5	-727.6	-780.3	781.2	1.00	-1.00	0.00
6,956.1	0.00	0.00	6,835.6	-727.8	-780.5	781.4	1.00	-1.00	0.00
Start 4422.9 hold at 6956.1 MD									
7,000.0	0.00	0.00	6,879.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,100.0	0.00	0.00	6,979.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,200.0	0.00	0.00	7,079.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,300.0	0.00	0.00	7,179.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,400.0	0.00	0.00	7,279.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,500.0	0.00	0.00	7,379.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,600.0	0.00	0.00	7,479.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,700.0	0.00	0.00	7,579.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,800.0	0.00	0.00	7,679.5	-727.8	-780.5	781.4	0.00	0.00	0.00
7,900.0	0.00	0.00	7,779.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,000.0	0.00	0.00	7,879.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,100.0	0.00	0.00	7,979.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,200.0	0.00	0.00	8,079.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,300.0	0.00	0.00	8,179.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,400.0	0.00	0.00	8,279.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,500.0	0.00	0.00	8,379.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,600.0	0.00	0.00	8,479.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,700.0	0.00	0.00	8,579.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,800.0	0.00	0.00	8,679.5	-727.8	-780.5	781.4	0.00	0.00	0.00
8,900.0	0.00	0.00	8,779.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,000.0	0.00	0.00	8,879.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,100.0	0.00	0.00	8,979.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,200.0	0.00	0.00	9,079.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,300.0	0.00	0.00	9,179.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,400.0	0.00	0.00	9,279.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,500.0	0.00	0.00	9,379.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,600.0	0.00	0.00	9,479.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,700.0	0.00	0.00	9,579.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,800.0	0.00	0.00	9,679.5	-727.8	-780.5	781.4	0.00	0.00	0.00
9,900.0	0.00	0.00	9,779.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,000.0	0.00	0.00	9,879.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,100.0	0.00	0.00	9,979.5	-727.8	-780.5	781.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,200.0	0.00	0.00	10,079.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,300.0	0.00	0.00	10,179.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,400.0	0.00	0.00	10,279.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,500.0	0.00	0.00	10,379.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,600.0	0.00	0.00	10,479.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,700.0	0.00	0.00	10,579.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,800.0	0.00	0.00	10,679.5	-727.8	-780.5	781.4	0.00	0.00	0.00
10,900.0	0.00	0.00	10,779.5	-727.8	-780.5	781.4	0.00	0.00	0.00
11,000.0	0.00	0.00	10,879.5	-727.8	-780.5	781.4	0.00	0.00	0.00
11,100.0	0.00	0.00	10,979.5	-727.8	-780.5	781.4	0.00	0.00	0.00
11,200.0	0.00	0.00	11,079.5	-727.8	-780.5	781.4	0.00	0.00	0.00
11,300.0	0.00	0.00	11,179.5	-727.8	-780.5	781.4	0.00	0.00	0.00
11,379.1	0.00	0.00	11,258.5	-727.8	-780.5	781.4	0.00	0.00	0.00
Start DLS 12.00 TFO 179.63									
11,400.0	2.51	179.63	11,279.5	-728.3	-780.5	781.9	12.00	12.00	0.00
11,425.0	5.51	179.63	11,304.4	-730.0	-780.5	783.7	12.00	12.00	0.00
11,450.0	8.51	179.63	11,329.2	-733.1	-780.5	786.7	12.00	12.00	0.00
11,475.0	11.51	179.63	11,353.8	-737.4	-780.4	791.0	12.00	12.00	0.00
11,500.0	14.51	179.63	11,378.2	-743.1	-780.4	796.6	12.00	12.00	0.00
11,525.0	17.51	179.63	11,402.2	-750.0	-780.4	803.5	12.00	12.00	0.00
11,550.0	20.51	179.63	11,425.8	-758.1	-780.3	811.6	12.00	12.00	0.00
11,575.0	23.51	179.63	11,449.0	-767.5	-780.3	821.0	12.00	12.00	0.00
11,600.0	26.51	179.63	11,471.7	-778.0	-780.2	831.5	12.00	12.00	0.00
11,625.0	29.51	179.63	11,493.7	-789.8	-780.1	843.2	12.00	12.00	0.00
11,650.0	32.51	179.63	11,515.2	-802.7	-780.0	856.1	12.00	12.00	0.00
11,675.0	35.51	179.63	11,535.9	-816.6	-779.9	870.0	12.00	12.00	0.00
11,700.0	38.51	179.63	11,555.8	-831.7	-779.8	885.0	12.00	12.00	0.00
11,725.0	41.51	179.63	11,575.0	-847.8	-779.7	901.0	12.00	12.00	0.00
11,750.0	44.51	179.63	11,593.3	-864.8	-779.6	918.0	12.00	12.00	0.00
11,775.0	47.51	179.63	11,610.6	-882.8	-779.5	936.0	12.00	12.00	0.00
11,800.0	50.51	179.63	11,627.0	-901.7	-779.4	954.8	12.00	12.00	0.00
11,825.0	53.51	179.63	11,642.4	-921.4	-779.2	974.4	12.00	12.00	0.00
11,850.0	56.51	179.63	11,656.7	-941.9	-779.1	994.8	12.00	12.00	0.00
11,875.0	59.51	179.63	11,670.0	-963.1	-779.0	1,016.0	12.00	12.00	0.00
11,900.0	62.51	179.63	11,682.1	-984.9	-778.8	1,037.8	12.00	12.00	0.00
11,925.0	65.51	179.63	11,693.1	-1,007.4	-778.7	1,060.2	12.00	12.00	0.00
11,950.0	68.51	179.63	11,702.8	-1,030.4	-778.5	1,083.1	12.00	12.00	0.00
11,975.0	71.51	179.63	11,711.4	-1,053.9	-778.4	1,106.5	12.00	12.00	0.00
12,000.0	74.51	179.63	11,718.7	-1,077.8	-778.2	1,130.4	12.00	12.00	0.00
12,025.0	77.51	179.63	11,724.7	-1,102.1	-778.1	1,154.5	12.00	12.00	0.00
12,050.0	80.51	179.63	11,729.5	-1,126.6	-777.9	1,179.0	12.00	12.00	0.00
12,075.0	83.51	179.63	11,732.9	-1,151.3	-777.8	1,203.7	12.00	12.00	0.00
12,100.0	86.51	179.63	11,735.1	-1,176.2	-777.6	1,228.5	12.00	12.00	0.00
12,125.0	89.51	179.63	11,736.0	-1,201.2	-777.4	1,253.4	12.00	12.00	0.00
12,129.1	90.00	179.63	11,736.0	-1,205.3	-777.4	1,257.5	12.00	12.00	0.00
Start 8846.9 hold at 12129.1 MD									
12,200.0	90.00	179.63	11,736.0	-1,276.2	-776.9	1,328.2	0.00	0.00	0.00
12,300.0	90.00	179.63	11,736.0	-1,376.2	-776.3	1,427.9	0.00	0.00	0.00
12,400.0	90.00	179.63	11,736.0	-1,476.2	-775.6	1,527.6	0.00	0.00	0.00
12,500.0	90.00	179.63	11,736.0	-1,576.2	-775.0	1,627.3	0.00	0.00	0.00
12,600.0	90.00	179.63	11,736.0	-1,676.2	-774.3	1,727.0	0.00	0.00	0.00
12,700.0	90.00	179.63	11,736.0	-1,776.2	-773.7	1,826.7	0.00	0.00	0.00
12,800.0	90.00	179.63	11,736.0	-1,876.2	-773.0	1,926.4	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
12,900.0	90.00	179.63	11,736.0	-1,976.2	-772.4	2,026.1	0.00	0.00	0.00
13,000.0	90.00	179.63	11,736.0	-2,076.2	-771.7	2,125.8	0.00	0.00	0.00
13,100.0	90.00	179.63	11,736.0	-2,176.2	-771.1	2,225.5	0.00	0.00	0.00
13,200.0	90.00	179.63	11,736.0	-2,276.2	-770.4	2,325.2	0.00	0.00	0.00
13,300.0	90.00	179.63	11,736.0	-2,376.2	-769.8	2,424.9	0.00	0.00	0.00
13,400.0	90.00	179.63	11,736.0	-2,476.2	-769.1	2,524.6	0.00	0.00	0.00
13,500.0	90.00	179.63	11,736.0	-2,576.2	-768.5	2,624.3	0.00	0.00	0.00
13,600.0	90.00	179.63	11,736.0	-2,676.2	-767.8	2,724.0	0.00	0.00	0.00
13,700.0	90.00	179.63	11,736.0	-2,776.2	-767.2	2,823.7	0.00	0.00	0.00
13,800.0	90.00	179.63	11,736.0	-2,876.2	-766.5	2,923.4	0.00	0.00	0.00
13,900.0	90.00	179.63	11,736.0	-2,976.2	-765.9	3,023.1	0.00	0.00	0.00
14,000.0	90.00	179.63	11,736.0	-3,076.2	-765.2	3,122.8	0.00	0.00	0.00
14,100.0	90.00	179.63	11,736.0	-3,176.2	-764.6	3,222.5	0.00	0.00	0.00
14,200.0	90.00	179.63	11,736.0	-3,276.2	-763.9	3,322.2	0.00	0.00	0.00
14,300.0	90.00	179.63	11,736.0	-3,376.2	-763.3	3,421.9	0.00	0.00	0.00
14,400.0	90.00	179.63	11,736.0	-3,476.2	-762.6	3,521.6	0.00	0.00	0.00
14,500.0	90.00	179.63	11,736.0	-3,576.2	-762.0	3,621.3	0.00	0.00	0.00
14,600.0	90.00	179.63	11,736.0	-3,676.2	-761.3	3,721.0	0.00	0.00	0.00
14,700.0	90.00	179.63	11,736.0	-3,776.2	-760.7	3,820.7	0.00	0.00	0.00
14,800.0	90.00	179.63	11,736.0	-3,876.2	-760.0	3,920.4	0.00	0.00	0.00
14,900.0	90.00	179.63	11,736.0	-3,976.2	-759.4	4,020.1	0.00	0.00	0.00
15,000.0	90.00	179.63	11,736.0	-4,076.2	-758.7	4,119.8	0.00	0.00	0.00
15,100.0	90.00	179.63	11,736.0	-4,176.2	-758.1	4,219.5	0.00	0.00	0.00
15,200.0	90.00	179.63	11,736.0	-4,276.2	-757.4	4,319.2	0.00	0.00	0.00
15,300.0	90.00	179.63	11,736.0	-4,376.2	-756.8	4,418.9	0.00	0.00	0.00
15,400.0	90.00	179.63	11,736.0	-4,476.2	-756.1	4,518.6	0.00	0.00	0.00
15,500.0	90.00	179.63	11,736.0	-4,576.2	-755.5	4,618.3	0.00	0.00	0.00
15,600.0	90.00	179.63	11,736.0	-4,676.2	-754.8	4,718.0	0.00	0.00	0.00
15,700.0	90.00	179.63	11,736.0	-4,776.2	-754.2	4,817.7	0.00	0.00	0.00
15,800.0	90.00	179.63	11,736.0	-4,876.2	-753.5	4,917.4	0.00	0.00	0.00
15,900.0	90.00	179.63	11,736.0	-4,976.2	-752.9	5,017.1	0.00	0.00	0.00
16,000.0	90.00	179.63	11,736.0	-5,076.1	-752.2	5,116.8	0.00	0.00	0.00
16,100.0	90.00	179.63	11,736.0	-5,176.1	-751.6	5,216.5	0.00	0.00	0.00
16,200.0	90.00	179.63	11,736.0	-5,276.1	-750.9	5,316.2	0.00	0.00	0.00
16,300.0	90.00	179.63	11,736.0	-5,376.1	-750.2	5,415.9	0.00	0.00	0.00
16,400.0	90.00	179.63	11,736.0	-5,476.1	-749.6	5,515.6	0.00	0.00	0.00
16,500.0	90.00	179.63	11,736.0	-5,576.1	-748.9	5,615.3	0.00	0.00	0.00
16,600.0	90.00	179.63	11,736.0	-5,676.1	-748.3	5,715.0	0.00	0.00	0.00
16,700.0	90.00	179.63	11,736.0	-5,776.1	-747.6	5,814.7	0.00	0.00	0.00
16,800.0	90.00	179.63	11,736.0	-5,876.1	-747.0	5,914.4	0.00	0.00	0.00
16,900.0	90.00	179.63	11,736.0	-5,976.1	-746.3	6,014.1	0.00	0.00	0.00
17,000.0	90.00	179.63	11,736.0	-6,076.1	-745.7	6,113.8	0.00	0.00	0.00
17,100.0	90.00	179.63	11,736.0	-6,176.1	-745.0	6,213.5	0.00	0.00	0.00
17,200.0	90.00	179.63	11,736.0	-6,276.1	-744.4	6,313.1	0.00	0.00	0.00
17,300.0	90.00	179.63	11,736.0	-6,376.1	-743.7	6,412.8	0.00	0.00	0.00
17,400.0	90.00	179.63	11,736.0	-6,476.1	-743.1	6,512.5	0.00	0.00	0.00
17,500.0	90.00	179.63	11,736.0	-6,576.1	-742.4	6,612.2	0.00	0.00	0.00
17,600.0	90.00	179.63	11,736.0	-6,676.1	-741.8	6,711.9	0.00	0.00	0.00
17,700.0	90.00	179.63	11,736.0	-6,776.1	-741.1	6,811.6	0.00	0.00	0.00
17,800.0	90.00	179.63	11,736.0	-6,876.1	-740.5	6,911.3	0.00	0.00	0.00
17,900.0	90.00	179.63	11,736.0	-6,976.1	-739.8	7,011.0	0.00	0.00	0.00
18,000.0	90.00	179.63	11,736.0	-7,076.1	-739.2	7,110.7	0.00	0.00	0.00
18,100.0	90.00	179.63	11,736.0	-7,176.1	-738.5	7,210.4	0.00	0.00	0.00
18,200.0	90.00	179.63	11,736.0	-7,276.1	-737.9	7,310.1	0.00	0.00	0.00

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

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)
18,300.0	90.00	179.63	11,736.0	-7,376.1	-737.2	7,409.8	0.00	0.00	0.00
18,400.0	90.00	179.63	11,736.0	-7,476.1	-736.6	7,509.5	0.00	0.00	0.00
18,500.0	90.00	179.63	11,736.0	-7,576.1	-735.9	7,609.2	0.00	0.00	0.00
18,600.0	90.00	179.63	11,736.0	-7,676.1	-735.3	7,708.9	0.00	0.00	0.00
18,700.0	90.00	179.63	11,736.0	-7,776.1	-734.6	7,808.6	0.00	0.00	0.00
18,800.0	90.00	179.63	11,736.0	-7,876.1	-734.0	7,908.3	0.00	0.00	0.00
18,900.0	90.00	179.63	11,736.0	-7,976.1	-733.3	8,008.0	0.00	0.00	0.00
19,000.0	90.00	179.63	11,736.0	-8,076.1	-732.7	8,107.7	0.00	0.00	0.00
19,100.0	90.00	179.63	11,736.0	-8,176.1	-732.0	8,207.4	0.00	0.00	0.00
19,200.0	90.00	179.63	11,736.0	-8,276.1	-731.4	8,307.1	0.00	0.00	0.00
19,300.0	90.00	179.63	11,736.0	-8,376.1	-730.7	8,406.8	0.00	0.00	0.00
19,400.0	90.00	179.63	11,736.0	-8,476.1	-730.1	8,506.5	0.00	0.00	0.00
19,500.0	90.00	179.63	11,736.0	-8,576.1	-729.4	8,606.2	0.00	0.00	0.00
19,600.0	90.00	179.63	11,736.0	-8,676.1	-728.8	8,705.9	0.00	0.00	0.00
19,700.0	90.00	179.63	11,736.0	-8,776.1	-728.1	8,805.6	0.00	0.00	0.00
19,800.0	90.00	179.63	11,736.0	-8,876.1	-727.5	8,905.3	0.00	0.00	0.00
19,900.0	90.00	179.63	11,736.0	-8,976.1	-726.8	9,005.0	0.00	0.00	0.00
20,000.0	90.00	179.63	11,736.0	-9,076.1	-726.2	9,104.7	0.00	0.00	0.00
20,100.0	90.00	179.63	11,736.0	-9,176.1	-725.5	9,204.4	0.00	0.00	0.00
20,200.0	90.00	179.63	11,736.0	-9,276.1	-724.9	9,304.1	0.00	0.00	0.00
20,300.0	90.00	179.63	11,736.0	-9,376.1	-724.2	9,403.8	0.00	0.00	0.00
20,400.0	90.00	179.63	11,736.0	-9,476.1	-723.6	9,503.5	0.00	0.00	0.00
20,500.0	90.00	179.63	11,736.0	-9,576.1	-722.9	9,603.2	0.00	0.00	0.00
20,600.0	90.00	179.63	11,736.0	-9,676.1	-722.3	9,702.9	0.00	0.00	0.00
20,700.0	90.00	179.63	11,736.0	-9,776.0	-721.6	9,802.6	0.00	0.00	0.00
20,800.0	90.00	179.63	11,736.0	-9,876.0	-721.0	9,902.3	0.00	0.00	0.00
20,900.0	90.00	179.63	11,736.0	-9,976.0	-720.3	10,002.0	0.00	0.00	0.00
20,975.9	90.00	179.63	11,736.0	-10,052.0	-719.8	10,077.7	0.00	0.00	0.00
Start 50.0 hold at 20975.9 MD									
21,000.0	90.00	179.63	11,736.0	-10,076.0	-719.7	10,101.7	0.00	0.00	0.00
21,026.0	90.00	179.63	11,736.0	-10,102.0	-719.5	10,127.6	0.00	0.00	0.00
TD at 21026.0									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP (ZHU 2032 WC #75 - hit/miss target - Shape - Point	0.00	0.00	11,736.0	-10,052.0	-719.8	364,425.47	694,687.34	32° 0' 1.313 N	103° 42' 19.087 W
PBHL (ZHU 2032 WC #75 - plan hits target center - Rectangle (sides W100.0 H10,067.1 D20.0)	0.00	359.63	11,736.0	-10,102.0	-719.5	364,375.47	694,687.63	32° 0' 0.818 N	103° 42' 19.087 W
FTP (ZHU 2032 WC #75 - plan misses target center by 786.2usft at 11566.7usft MD (11441.3 TVD, -764.2 N, -780.3 E) - Circle (radius 50.0)	0.00	0.00	11,736.0	-35.4	-784.9	374,442.07	694,622.21	32° 1' 40.442 N	103° 42' 19.167 W

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well ZIA HILLS UNIT 2032 WC #751H
Company:	DELAWARE BASIN EAST	TVD Reference:	GL @ 3173.0usft
Project:	LEA PROSPECT (NM-E)	MD Reference:	GL @ 3173.0usft
Site:	ZIA HILLS UNIT 2032 PROJECT	North Reference:	Grid
Well:	ZIA HILLS UNIT 2032 WC #751H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Casing Points					
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")	
1,500.0	1,500.0	DB SURF 10-3/4	10-3/4	14-3/4	
11,379.1	11,258.5	DB INT 7-5/8	7-5/8	9-7/8	
21,025.9	11,736.0	DB PROD. -5 1/2	5-1/2	6-3/4	

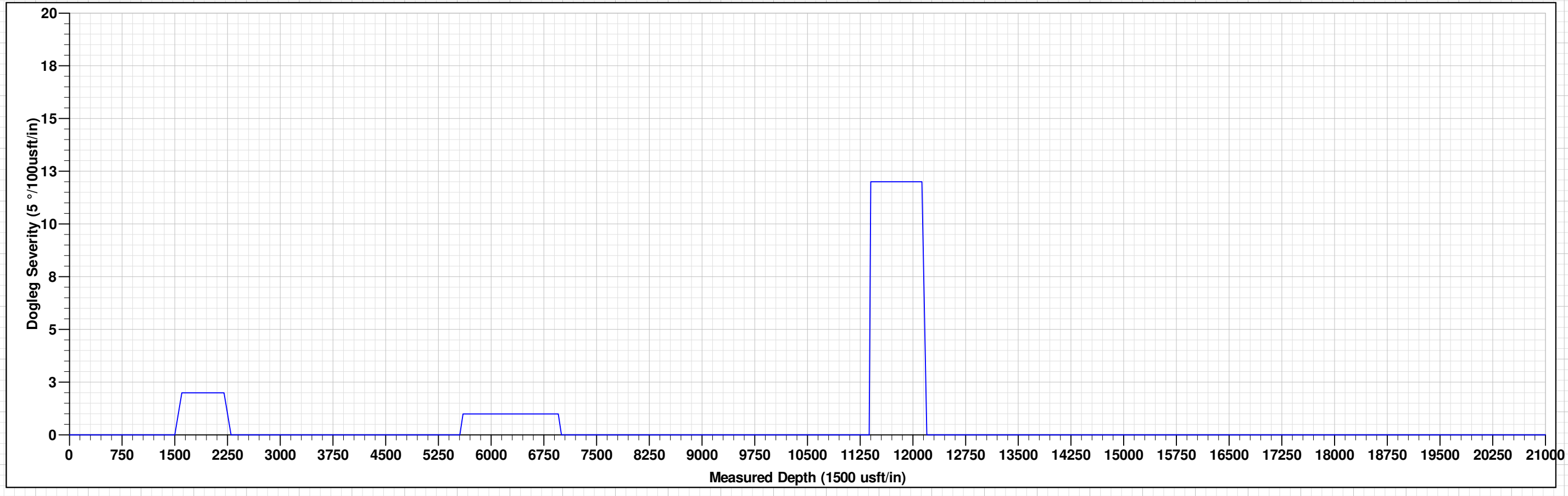
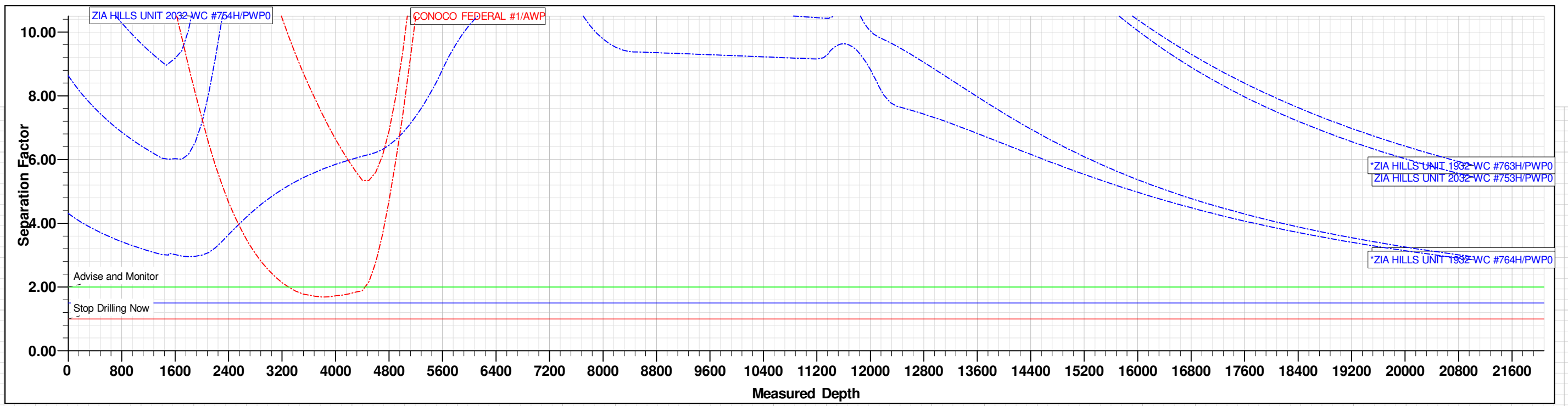
Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates			
		+N/-S (usft)	+E/-W (usft)	Comment	
1,500.0	1,500.0	0.0	0.0	Start Build 2.00	
2,200.0	2,193.1	-58.0	-62.2	Start 3356.1 hold at 2200.0 MD	
5,556.1	5,449.5	-611.8	-656.0	Start Drop -1.00	
6,956.1	6,835.6	-727.8	-780.5	Start 4422.9 hold at 6956.1 MD	
11,379.1	11,258.5	-727.8	-780.5	Start DLS 12.00 TFO 179.63	
12,129.1	11,736.0	-1,205.3	-777.4	Start 8846.9 hold at 12129.1 MD	
20,975.9	11,736.0	-10,052.0	-719.8	Start 50.0 hold at 20975.9 MD	
21,026.0	11,736.0	-10,102.0	-719.5	TD at 21026.0	



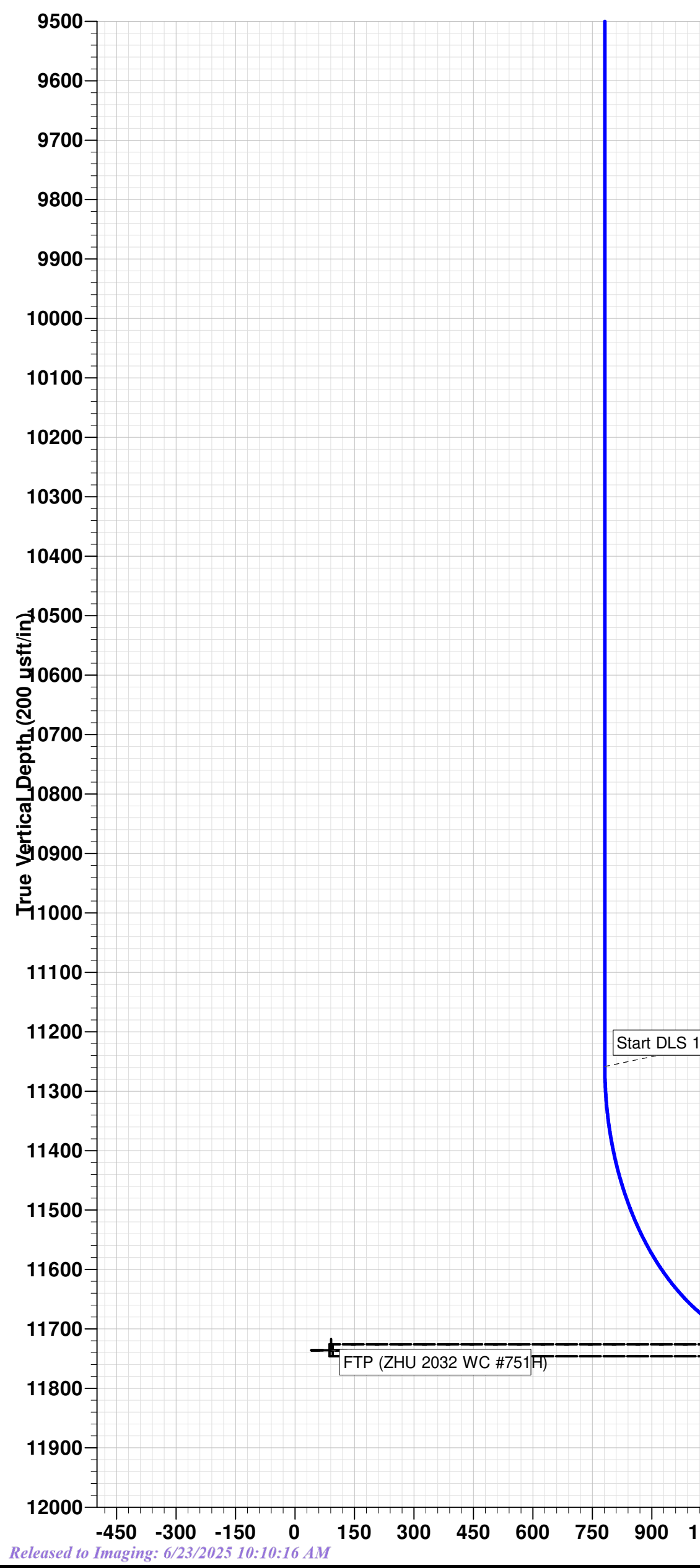
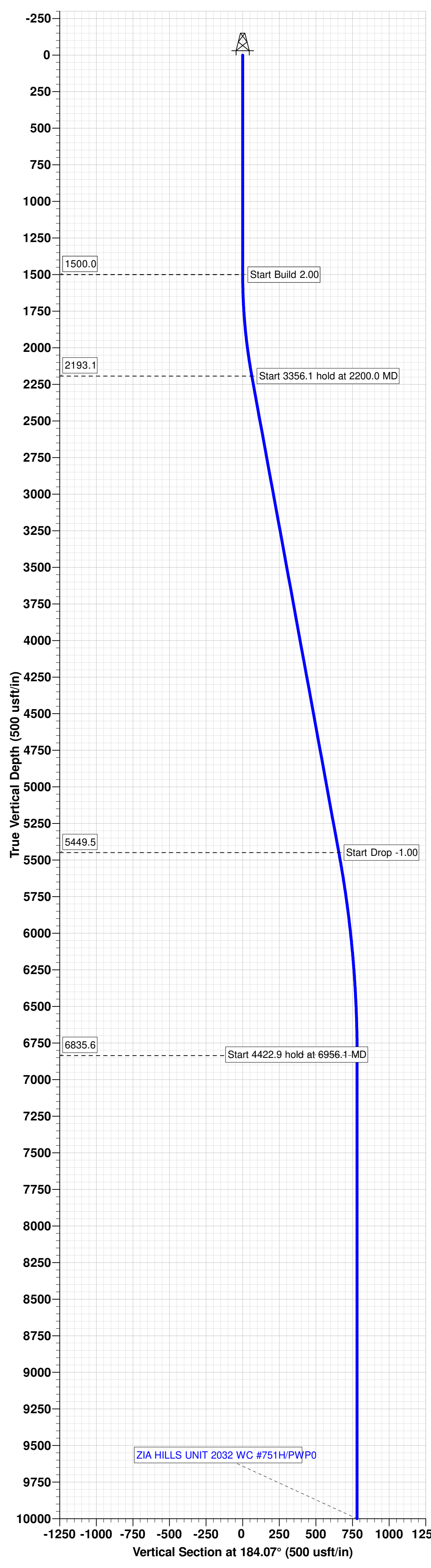
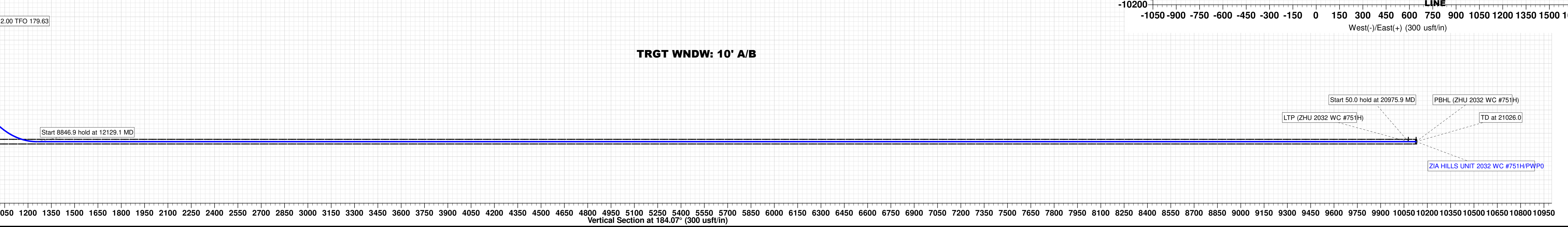
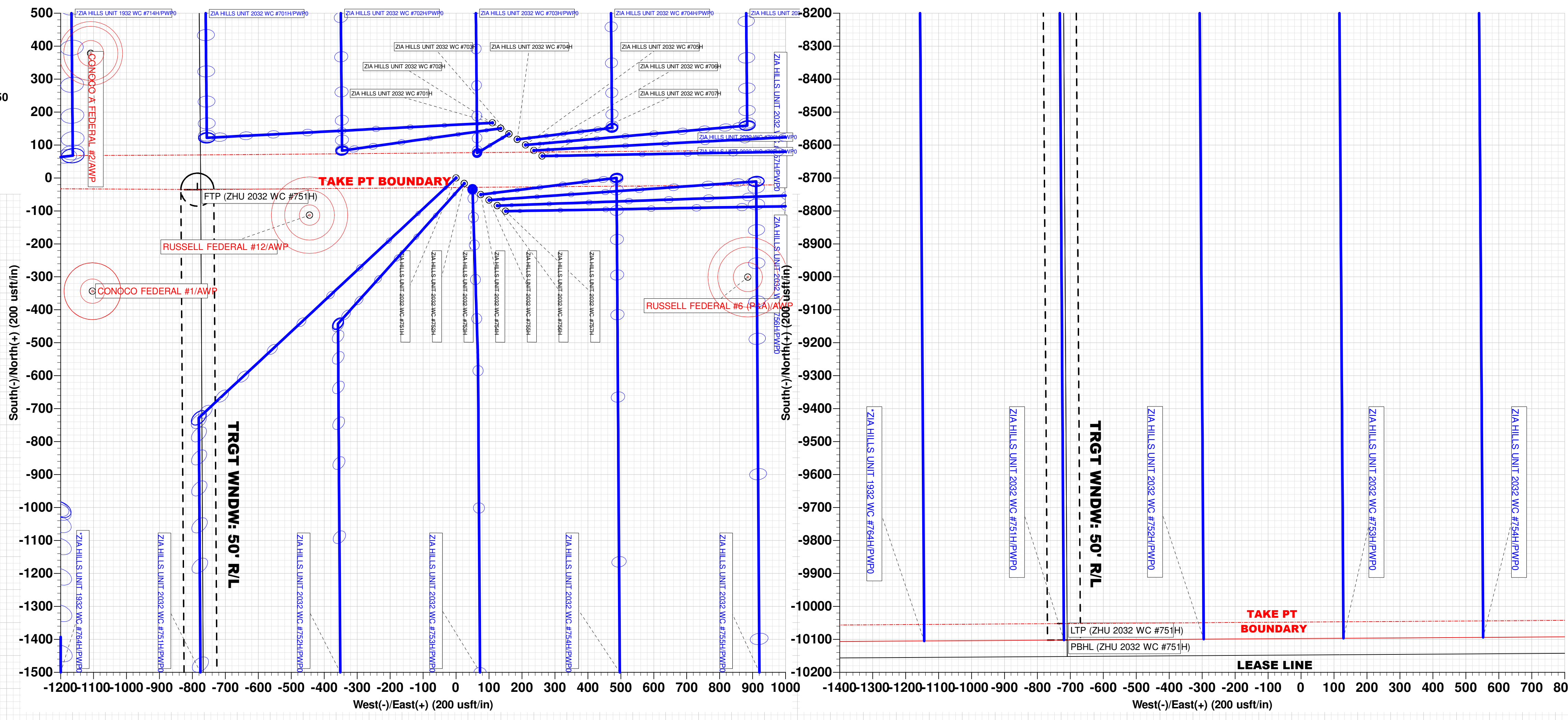
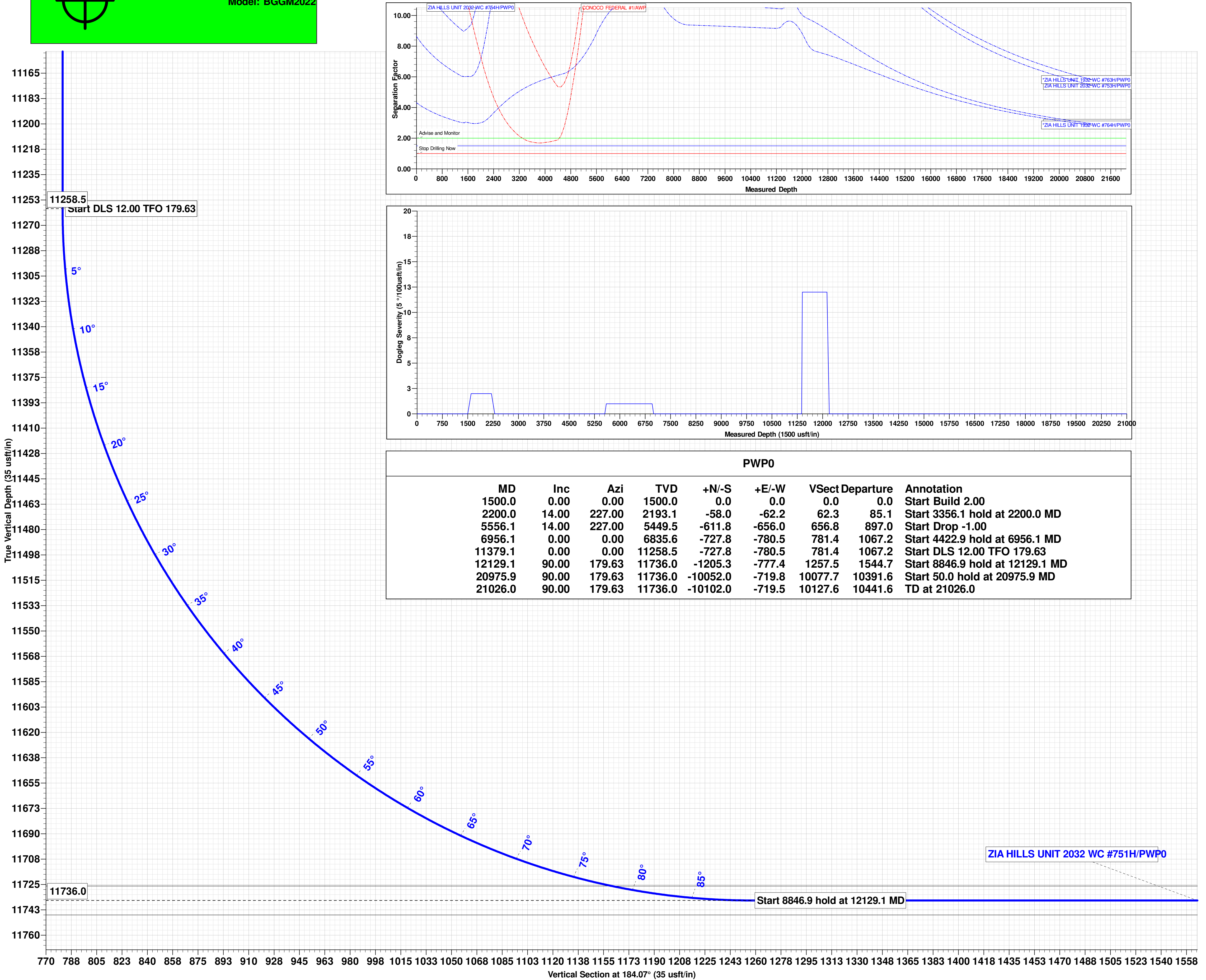
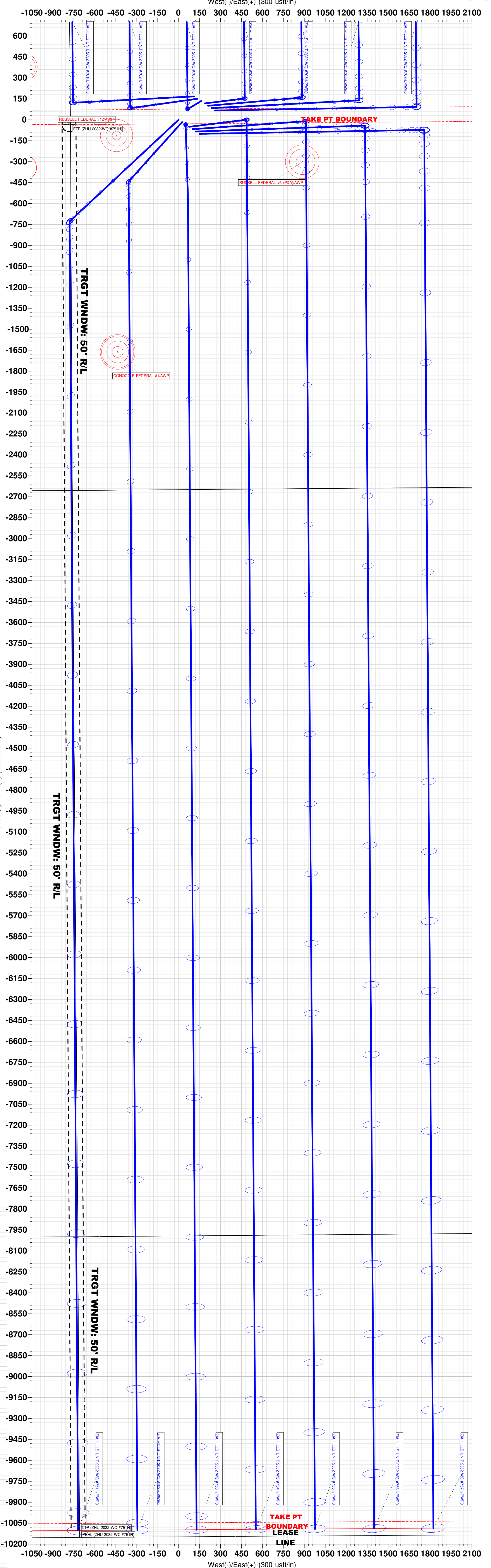
Project: LEA PROSPECT (NM-E)
Site: ZIA HILLS UNIT 2032 PROJECT
Well: ZIA HILLS UNIT 2032 WC #751H
Wellbore: OWB
Design: PWP0
GL: 3173.0
GL @ 3173.0usft

WELL DETAILS: ZIA HILLS UNIT 2032 WC #751H						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	374477.46	695407.15	32° 1' 40.747 N	103° 42' 10.047 W	

DESIGN TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Shape
FTP (ZHU 2032 WC #751H)	11736.0	-35.4	-784.9	374442.07	694622.21	Circle (Radius: 50.0)
LTP (ZHU 2032 WC #751H)	11736.0	-10052.0	-719.8	364425.47	694687.34	Point
PBHL (ZHU 2032 WC #751H)	11736.0	-10102.0	-719.5	364375.47	694687.63	Rectangle (Sides: L10067.1 W100.0)



PWP0									
MD	Inc	Azi	TVD	+N-S	+E-W	Vsect	Departure	Annotation	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.0	0.0	Start Build 2.00	
2200.0	14.00	227.00	2193.1	-58.0	-62.2	62.3	85.1	Start 3356.1 hold at 2200.0 MD	
5556.1	14.00	227.00	5449.5	-611.8	-656.0	656.8	897.0	Start Drop -1.00	
6956.1	0.00	0.00	6835.6	-727.8	-780.5	781.4	1067.2	Start 4422.9 hold at 6956.1 MD	
11379.1	0.00	0.00	11258.5	-727.8	-780.5	781.4	1067.2	Start DLS 12.00 TFO 179.63	
12129.1	90.00	179.63	11736.0	-1205.3	-777.4	1257.5	1544.7	Start 8846.9 hold at 12129.1 MD	
20975.9	90.00	179.63	11736.0	-10052.0	-719.8	10077.7	10391.6	Start 50.0 hold at 20975.9 MD	
21026.0	90.00	179.63	11736.0	-10102.0	-719.5	10127.6	10441.6	TD at 21026.0	



Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 394901

CONDITIONS

Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701	OGRID: 217817
	Action Number: 394901
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
matthew.gomez	Notify the OCD 24 hours prior to casing & cement.	6/23/2025
matthew.gomez	Any previous COA's not addressed within the updated COA's still apply.	6/23/2025