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

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE *- Other instructions on page 2*

5. Lease Serial No. NMNM113419

6. If Indian, Allottee or Tribe Name

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No. BANDANA FEDERAL COM/604H

2. Name of Operator COG OPERATING LLC

9. API Well No. 3002549797

3a. Address 600 West Illinois Ave, Midland, TX 79701

3b. Phone No. *(include area code)* (432) 683-7443

10. Field and Pool or Exploratory Area Draper Mill/FAIRVIEW MILLS;BONE SPRING

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)* SEC 12/T25S/R34E/NMP

11. Country or Parish, State LEA/NM

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
	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ 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 recomplete 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.)

COG Operating requests a revision to our approved APD for this well to reflect changes in BHL, TD, and dedicated acres.
Change BHL FROM : 2590 FNL & 330 FWL SWNW 24-25S-34E 23406' MD, 12412' TVD
Change BHL TO: 50 ft FSL & 330 ft FWL SWSW 13-25S-34E Lea Co, NM.
Change TD to: 20,298MD, 12,412 TVD
Change dedicated acres to: 960 ac.

14. I hereby certify that the foregoing is true and correct. Name *(Printed/Typed)* STAN WAGNER / Ph: (432) 253-9685

Title Regulatory Advisor

Signature

Date 12/05/2022

THE SPACE FOR FEDERAL OR STATE OFICE USE

Approved by CHRISTOPHER WALLS / Ph: (575) 234-2234 / Approved

Title Petroleum Engineer

Date 01/31/2023

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 CARLSBAD

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)

Additional Information

Location of Well

0. SHL: SENW / 1861 FNL / 1445 FWL / TWSP: 25S / RANGE: 34E / SECTION: 12 / LAT: 32.147103 / LONG: -103.427532 (TVD: 0 feet, MD: 0 feet)

PPP: NWSW / 2540 FSL / 330 FWL / TWSP: 25S / RANGE: 34E / SECTION: 12 / LAT: 32.147103 / LONG: -103.427532 (TVD: 12586 feet, MD: 13000 feet)

BHL: SWNW / 2590 FNL / 330 FWL / TWSP: 25S / RANGE: 34E / SECTION: 24 / LAT: 32.116091 / LONG: -103.431147 (TVD: 12412 feet, MD: 23406 feet)

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-49797	96340	Fairview Mills; Bone Spring

Property Code	Property Name	Well Number
332421	BANDANA FEDERAL COM	604H

OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3394.6'

Surface Location

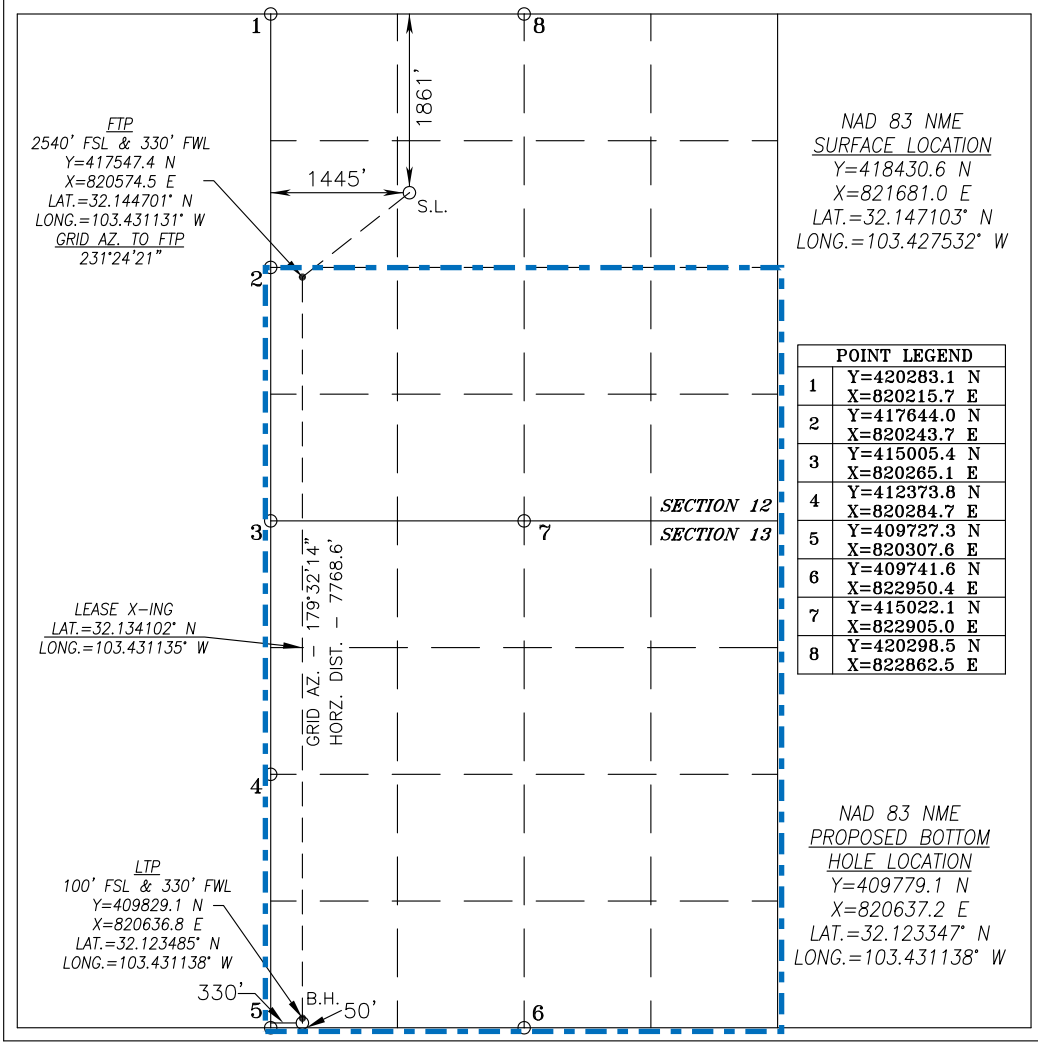
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	12	25-S	34-E		1861	NORTH	1445	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	13	25-S	34-E		50	SOUTH	330	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
960		COM	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



POINT LEGEND	
1	Y=420283.1 N X=820215.7 E
2	Y=417644.0 N X=820243.7 E
3	Y=415005.4 N X=820265.1 E
4	Y=412373.8 N X=820284.7 E
5	Y=409727.3 N X=820307.6 E
6	Y=409741.6 N X=822950.4 E
7	Y=415022.1 N X=822905.0 E
8	Y=420298.5 N X=822862.5 E

OPERATOR CERTIFICATION

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

Stan Wagner 7/11/2022
Signature Date

Stan Wagner
Printed Name

E-mail Address

SURVEYOR CERTIFICATION

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

DECEMBER 19, 2020
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 6/20/22
Certificate No. CHAD HARCROW 17777
W.O. # 22-626 DRAWN BY: AH

DELAWARE BASIN EAST

BULLDOG PROSPECT (NM-E)
BANDANA FEDERAL PROJECT
BANDANA FEDERAL COM #604H

OWB
PWP0

Anticollision Report

07 July, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central 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 Interval 95.0usft	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 7/7/2022

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	2,000.0	PWP0 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
2,000.0	12,255.1	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction
12,255.1	20,298.1	PWP0 (OWB)	MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
BANDANA FEDERAL PROJECT						
*BANDANA FEDERAL COM #601H - OWB - PWP0						Out of range
BANDANA FEDERAL COM #602H - OWB - PWP0						Out of range
BANDANA FEDERAL COM #603H - OWB - PWP0	1,995.0	1,996.0	59.5	52.4	8.443	CC, ES, SF
BANDANA FEDERAL COM #702H - OWB - PWP0						Out of range
BANDANA FEDERAL COM #703H - OWB - PWP0	1,995.0	1,995.8	89.7	82.7	12.768	CC, ES
BANDANA FEDERAL COM #703H - OWB - PWP0	2,185.0	2,179.8	97.3	89.3	12.242	SF
BANDANA FEDERAL COM #704H - OWB - PWP0	1,995.0	1,995.9	29.4	22.4	4.181	CC, ES, SF
GREEN EYESHADE FED PROJECT						
GREEN EYESHADE FEDERAL COM #602H - OWB - AW						Out of range
GREEN EYESHADE FEDERAL COM #603H - OWB - AW	4,043.7	4,027.3	567.9	553.7	39.946	CC
GREEN EYESHADE FEDERAL COM #603H - OWB - AW	4,085.0	4,065.4	568.1	553.7	39.432	ES
GREEN EYESHADE FEDERAL COM #603H - OWB - AW	6,460.0	6,397.4	787.8	762.2	30.787	SF
GREEN EYESHADE FEDERAL COM #702H - OWB - AW						Out of range
GREEN EYESHADE FEDERAL COM #703H - OWB - AW	4,806.7	4,758.5	600.3	583.3	35.206	CC, ES
GREEN EYESHADE FEDERAL COM #703H - OWB - AW	6,365.0	6,263.7	716.8	692.3	29.307	SF
GREEN EYESHADE FEDERAL COM #704H - OWB - AW	6,989.0	6,919.2	445.7	418.5	16.393	CC
GREEN EYESHADE FEDERAL COM #704H - OWB - AW	7,030.0	6,959.3	445.8	418.4	16.251	ES
GREEN EYESHADE FEDERAL COM #704H - OWB - AW	12,635.0	12,502.3	635.6	585.2	12.602	SF
PITCHBLENDE 24-25 FEDERAL PROJECT						
PITCHBLENDE 24-25 FED 605H - OWB - PWP1						Out of range
PITCHBLENDE 24-25 FED 606H - OWB - PWP1	20,298.1	12,308.3	705.8	589.8	6.084	CC, ES, SF
PITCHBLENDE 24-25 FED 704H - OWB - PWP1						Out of range
PITCHBLENDE 24-25 FED 705H - OWB - PWP1						Out of range
PITCHBLENDE 24-25 FED 706H - OWB - PWP1	20,298.1	12,460.2	132.2	76.1	2.358	CC, ES, SF
PITCHBLENDE 24-25 FED 803H - OWB - PWP1						Out of range

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

TD Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
BANDANA FEDERAL PROJECT						
*BANDANA FEDERAL COM #601H - OWB - PWP0	20,298.1	20,602.6				Out of Range @TD
BANDANA FEDERAL COM #602H - OWB - PWP0	20,298.1	20,298.7				Out of Range @TD
BANDANA FEDERAL COM #603H - OWB - PWP0	20,298.1	20,281.0				Out of Range @TD
BANDANA FEDERAL COM #702H - OWB - PWP0	20,298.1	20,527.1				Out of Range @TD
BANDANA FEDERAL COM #703H - OWB - PWP0	20,298.1	20,603.1				Out of Range @TD
BANDANA FEDERAL COM #704H - OWB - PWP0	20,298.1	20,595.7	731.7	584.6	4.974	
GREEN EYESHADE FED PROJECT						
GREEN EYESHADE FEDERAL COM #602H - OWB - AW	20,298.1	12,205.0				Out of Range @TD
GREEN EYESHADE FEDERAL COM #603H - OWB - AW	20,298.1	12,185.0				Out of Range @TD
GREEN EYESHADE FEDERAL COM #702H - OWB - AW	20,298.1	12,444.0				Out of Range @TD
GREEN EYESHADE FEDERAL COM #703H - OWB - AW	20,298.1	12,372.0				Out of Range @TD
GREEN EYESHADE FEDERAL COM #704H - OWB - AW	20,298.1	12,468.0				Out of Range @TD
PITCHBLENDE 24-25 FEDERAL PROJECT						
PITCHBLENDE 24-25 FED 605H - OWB - PWP1	20,298.1	12,280.6				Out of Range @TD
PITCHBLENDE 24-25 FED 606H - OWB - PWP1	20,298.1	12,308.3	705.8	589.8	6.084	CC, ES, SF
PITCHBLENDE 24-25 FED 704H - OWB - PWP1	20,298.1	12,453.7				Out of Range @TD
PITCHBLENDE 24-25 FED 705H - OWB - PWP1	20,298.1	12,378.9				Out of Range @TD
PITCHBLENDE 24-25 FED 706H - OWB - PWP1	20,298.1	12,460.2	132.2	76.1	2.358	CC, ES, SF
PITCHBLENDE 24-25 FED 803H - OWB - PWP1	20,298.1	12,428.4				Out of Range @TD

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #603H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12239-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	1.0	1.0	3.0	3.0	125.69	-34.7	48.3	59.5				
95.0	95.0	96.0	96.0	3.0	3.0	125.69	-34.7	48.3	59.5	53.5	6.00	9.912	
190.0	190.0	191.0	191.0	3.0	3.0	125.69	-34.7	48.3	59.5	53.5	6.00	9.904	
285.0	285.0	286.0	286.0	3.0	3.0	125.69	-34.7	48.3	59.5	53.5	6.01	9.888	
380.0	380.0	381.0	381.0	3.0	3.0	125.69	-34.7	48.3	59.5	53.4	6.03	9.862	
475.0	475.0	476.0	476.0	3.0	3.0	125.69	-34.7	48.3	59.5	53.4	6.05	9.828	
570.0	570.0	571.0	571.0	3.1	3.1	125.69	-34.7	48.3	59.5	53.4	6.08	9.786	
665.0	665.0	666.0	666.0	3.1	3.1	125.69	-34.7	48.3	59.5	53.4	6.11	9.736	
760.0	760.0	761.0	761.0	3.1	3.1	125.69	-34.7	48.3	59.5	53.3	6.15	9.677	
855.0	855.0	856.0	856.0	3.2	3.2	125.69	-34.7	48.3	59.5	53.3	6.19	9.612	
950.0	950.0	951.0	951.0	3.2	3.2	125.69	-34.7	48.3	59.5	53.2	6.23	9.540	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #603H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12239-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,045.0	1,045.0	1,046.0	1,046.0	3.3	3.3	125.69	-34.7	48.3	59.5	53.2	6.29	9.461	
1,140.0	1,140.0	1,141.0	1,141.0	3.3	3.3	125.69	-34.7	48.3	59.5	53.1	6.34	9.377	
1,235.0	1,235.0	1,236.0	1,236.0	3.4	3.4	125.69	-34.7	48.3	59.5	53.1	6.40	9.288	
1,330.0	1,330.0	1,331.0	1,331.0	3.4	3.4	125.69	-34.7	48.3	59.5	53.0	6.47	9.193	
1,425.0	1,425.0	1,426.0	1,426.0	3.5	3.5	125.69	-34.7	48.3	59.5	52.9	6.54	9.095	
1,520.0	1,520.0	1,521.0	1,521.0	3.6	3.6	125.69	-34.7	48.3	59.5	52.9	6.61	8.993	
1,615.0	1,615.0	1,616.0	1,616.0	3.6	3.6	125.69	-34.7	48.3	59.5	52.8	6.69	8.887	
1,710.0	1,710.0	1,711.0	1,711.0	3.7	3.7	125.69	-34.7	48.3	59.5	52.7	6.77	8.779	
1,805.0	1,805.0	1,806.0	1,806.0	3.8	3.8	125.69	-34.7	48.3	59.5	52.6	6.86	8.669	
1,900.0	1,900.0	1,901.0	1,901.0	3.9	3.9	125.69	-34.7	48.3	59.5	52.5	6.95	8.557	
1,995.0	1,995.0	1,996.0	1,996.0	3.9	3.9	125.69	-34.7	48.3	59.5	52.4	7.04	8.443	CC, ES, SF
2,090.0	2,090.0	2,089.6	2,089.6	4.0	4.1	-106.03	-36.1	48.6	60.9	53.7	7.19	8.462	
2,185.0	2,184.9	2,183.1	2,182.9	4.4	4.7	-107.01	-40.4	49.4	65.4	57.8	7.58	8.623	
2,280.0	2,279.6	2,276.2	2,275.7	5.0	5.3	-108.38	-47.8	50.7	73.0	65.0	8.03	9.096	
2,375.0	2,373.9	2,368.8	2,367.8	5.5	5.8	-109.88	-58.0	52.6	83.8	75.3	8.51	9.854	
2,470.0	2,467.9	2,460.9	2,458.9	6.1	6.3	-111.28	-71.1	55.0	97.8	88.7	9.01	10.847	
2,565.0	2,561.3	2,552.1	2,548.7	6.6	6.8	-112.49	-86.9	57.9	114.8	105.3	9.54	12.031	
2,660.0	2,654.3	2,643.8	2,638.5	7.0	7.2	-113.59	-105.2	61.3	134.5	124.5	10.03	13.414	
2,755.0	2,747.2	2,736.6	2,729.3	7.2	7.4	-114.47	-124.2	64.8	154.6	144.1	10.45	14.792	
2,850.0	2,840.2	2,829.5	2,820.1	7.3	7.6	-115.15	-143.2	68.3	174.7	163.8	10.88	16.059	
2,945.0	2,933.1	2,922.3	2,910.9	7.5	7.7	-115.69	-162.2	71.8	194.8	183.5	11.34	17.183	
3,040.0	3,026.0	3,015.1	3,001.7	7.7	7.9	-116.13	-181.2	75.3	214.9	203.1	11.83	18.176	
3,135.0	3,118.9	3,108.0	3,092.5	7.9	8.1	-116.49	-200.2	78.8	235.1	222.8	12.34	19.053	
3,230.0	3,211.9	3,200.8	3,183.3	8.2	8.3	-116.80	-219.1	82.3	255.2	242.4	12.87	19.828	
3,325.0	3,304.8	3,293.6	3,274.1	8.4	8.5	-117.06	-238.1	85.8	275.4	262.0	13.43	20.513	
3,420.0	3,397.7	3,386.4	3,364.9	8.6	8.8	-117.29	-257.1	89.3	295.6	281.6	13.99	21.120	
3,515.0	3,490.6	3,479.3	3,455.7	8.9	9.0	-117.48	-276.1	92.8	315.7	301.2	14.58	21.658	
3,610.0	3,583.5	3,572.1	3,546.5	9.1	9.2	-117.66	-295.1	96.3	335.9	320.7	15.17	22.137	
3,705.0	3,676.5	3,664.9	3,637.3	9.4	9.5	-117.81	-314.1	99.8	356.1	340.3	15.78	22.564	
3,800.0	3,769.4	3,757.8	3,728.1	9.7	9.7	-117.95	-333.1	103.3	376.3	359.9	16.40	22.945	
3,895.0	3,862.3	3,850.6	3,818.9	9.9	10.0	-118.07	-352.0	106.9	396.4	379.4	17.02	23.287	
3,990.0	3,955.2	3,943.4	3,909.7	10.2	10.3	-118.18	-371.0	110.4	416.6	399.0	17.66	23.594	
4,085.0	4,048.2	4,036.2	4,000.5	10.5	10.6	-118.28	-390.0	113.9	436.8	418.5	18.30	23.871	
4,180.0	4,141.1	4,129.1	4,091.3	10.8	10.8	-118.37	-409.0	117.4	457.0	438.0	18.94	24.122	
4,275.0	4,234.0	4,221.9	4,182.1	11.1	11.1	-118.46	-428.0	120.9	477.2	457.6	19.60	24.349	
4,370.0	4,326.9	4,314.7	4,272.9	11.4	11.4	-118.54	-447.0	124.4	497.3	477.1	20.25	24.555	
4,465.0	4,419.9	4,407.6	4,363.7	11.7	11.7	-118.61	-466.0	127.9	517.5	496.6	20.92	24.743	
4,560.0	4,512.8	4,500.4	4,454.5	12.0	12.0	-118.67	-485.0	131.4	537.7	516.1	21.58	24.914	
4,655.0	4,605.7	4,593.2	4,545.2	12.3	12.3	-118.73	-503.9	134.9	557.9	535.6	22.25	25.071	
4,750.0	4,698.6	4,686.0	4,636.0	12.7	12.6	-118.79	-522.9	138.4	578.1	555.2	22.93	25.215	
4,845.0	4,791.6	4,778.9	4,726.8	13.0	12.9	-118.84	-541.9	141.9	598.3	574.7	23.60	25.348	
4,940.0	4,884.5	4,871.7	4,817.6	13.3	13.2	-118.89	-560.9	145.4	618.5	594.2	24.28	25.470	
5,035.0	4,977.4	4,964.5	4,908.4	13.6	13.5	-118.94	-579.9	148.9	638.6	613.7	24.96	25.582	
5,130.0	5,070.3	5,057.4	4,999.2	14.0	13.8	-118.98	-598.9	152.4	658.8	633.2	25.65	25.686	
5,225.0	5,163.2	5,150.2	5,090.0	14.3	14.1	-119.03	-617.9	155.9	679.0	652.7	26.34	25.783	
5,320.0	5,256.2	5,243.0	5,180.8	14.6	14.4	-119.06	-636.8	159.4	699.2	672.2	27.02	25.873	
5,415.0	5,349.1	5,335.8	5,271.6	15.0	14.8	-119.10	-655.8	162.9	719.4	691.7	27.72	25.956	
5,510.0	5,442.0	5,428.7	5,362.4	15.3	15.1	-119.14	-674.8	166.4	739.6	711.2	28.41	26.034	
5,605.0	5,534.9	5,521.5	5,453.2	15.6	15.4	-119.17	-693.8	169.9	759.8	730.7	29.10	26.106	
5,700.0	5,627.9	5,614.3	5,544.0	16.0	15.7	-119.20	-712.8	173.4	780.0	750.2	29.80	26.174	
5,795.0	5,720.8	5,707.2	5,634.8	16.3	16.0	-119.23	-731.8	176.9	800.2	769.7	30.50	26.237	
5,890.0	5,813.7	5,800.0	5,725.6	16.7	16.4	-119.26	-750.8	180.4	820.3	789.1	31.20	26.296	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #603H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12239-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,985.0	5,906.6	5,892.8	5,816.4	17.0	16.7	-119.28	-769.8	183.9	840.5	808.6	31.90	26.352	
6,080.0	5,999.6	5,985.6	5,907.2	17.3	17.0	-119.31	-788.7	187.4	860.7	828.1	32.60	26.404	
6,175.0	6,092.5	6,078.5	5,998.0	17.7	17.4	-119.33	-807.7	190.9	880.9	847.6	33.30	26.453	
6,270.0	6,185.4	6,184.2	6,101.7	18.0	17.8	-119.42	-828.3	194.7	900.6	866.5	34.09	26.421	
6,365.0	6,278.3	6,295.8	6,211.8	18.4	18.3	-119.73	-846.1	198.0	918.6	883.6	34.91	26.311	
6,460.0	6,371.2	6,407.7	6,322.9	18.7	18.8	-120.26	-859.6	200.5	934.6	898.9	35.72	26.164	
6,555.0	6,464.2	6,519.7	6,434.4	19.1	19.3	-120.99	-868.9	202.2	948.9	912.4	36.51	25.990	
6,650.0	6,557.1	6,631.4	6,546.0	19.4	19.7	-121.93	-873.9	203.1	961.6	924.3	37.27	25.797	
6,745.0	6,650.0	6,736.4	6,651.0	19.8	20.1	-122.98	-874.8	203.3	972.7	934.8	37.97	25.620	
6,840.0	6,742.9	6,829.4	6,743.9	20.1	20.3	-123.93	-874.8	203.3	983.8	945.2	38.60	25.485	
6,935.0	6,835.9	6,922.3	6,836.9	20.5	20.6	-124.86	-874.8	203.3	995.1	955.9	39.24	25.358	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #703H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12557-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.8	0.8	3.0	3.0	125.02	-51.5	73.5	89.7				
95.0	95.0	95.8	95.8	3.0	3.0	125.02	-51.5	73.5	89.7	83.7	6.00	14.957	
190.0	190.0	190.8	190.8	3.0	3.0	125.02	-51.5	73.5	89.7	83.7	6.00	14.946	
285.0	285.0	285.8	285.8	3.0	3.0	125.02	-51.5	73.5	89.7	83.7	6.01	14.922	
380.0	380.0	380.8	380.8	3.0	3.0	125.02	-51.5	73.5	89.7	83.7	6.03	14.884	
475.0	475.0	475.8	475.8	3.0	3.0	125.02	-51.5	73.5	89.7	83.7	6.05	14.834	
570.0	570.0	570.8	570.8	3.1	3.1	125.02	-51.5	73.5	89.7	83.7	6.08	14.771	
665.0	665.0	665.8	665.8	3.1	3.1	125.02	-51.5	73.5	89.7	83.6	6.11	14.695	
760.0	760.0	760.8	760.8	3.1	3.1	125.02	-51.5	73.5	89.7	83.6	6.14	14.609	
855.0	855.0	855.8	855.8	3.2	3.2	125.02	-51.5	73.5	89.7	83.6	6.18	14.512	
950.0	950.0	950.8	950.8	3.2	3.2	125.02	-51.5	73.5	89.7	83.5	6.23	14.404	
1,045.0	1,045.0	1,045.8	1,045.8	3.3	3.3	125.02	-51.5	73.5	89.7	83.5	6.28	14.287	
1,140.0	1,140.0	1,140.8	1,140.8	3.3	3.3	125.02	-51.5	73.5	89.7	83.4	6.34	14.162	
1,235.0	1,235.0	1,235.8	1,235.8	3.4	3.4	125.02	-51.5	73.5	89.7	83.3	6.40	14.029	
1,330.0	1,330.0	1,330.8	1,330.8	3.4	3.4	125.02	-51.5	73.5	89.7	83.3	6.46	13.888	
1,425.0	1,425.0	1,425.8	1,425.8	3.5	3.5	125.02	-51.5	73.5	89.7	83.2	6.53	13.741	
1,520.0	1,520.0	1,520.8	1,520.8	3.6	3.6	125.02	-51.5	73.5	89.7	83.1	6.60	13.589	
1,615.0	1,615.0	1,615.8	1,615.8	3.6	3.6	125.02	-51.5	73.5	89.7	83.1	6.68	13.432	
1,710.0	1,710.0	1,710.8	1,710.8	3.7	3.7	125.02	-51.5	73.5	89.7	83.0	6.76	13.270	
1,805.0	1,805.0	1,805.8	1,805.8	3.8	3.8	125.02	-51.5	73.5	89.7	82.9	6.85	13.106	
1,900.0	1,900.0	1,900.8	1,900.8	3.9	3.9	125.02	-51.5	73.5	89.7	82.8	6.94	12.938	
1,995.0	1,995.0	1,995.8	1,995.8	3.9	3.9	125.02	-51.5	73.5	89.7	82.7	7.03	12.768	CC, ES
2,090.0	2,090.0	2,088.0	2,088.0	4.0	4.1	-107.03	-52.5	74.5	91.5	84.3	7.26	12.608	
2,185.0	2,184.9	2,179.8	2,179.7	4.4	4.6	-108.93	-55.5	77.5	97.3	89.3	7.95	12.242	SF
2,280.0	2,279.6	2,271.0	2,270.6	5.0	5.2	-111.64	-60.6	82.5	107.2	98.5	8.70	12.324	
2,375.0	2,373.9	2,361.3	2,360.3	5.5	5.7	-114.66	-67.7	89.5	121.5	112.0	9.43	12.881	
2,470.0	2,467.9	2,450.3	2,448.5	6.1	6.2	-117.58	-76.6	98.3	140.2	130.1	10.15	13.812	
2,565.0	2,561.3	2,537.8	2,534.7	6.6	6.7	-120.17	-87.3	108.9	163.5	152.6	10.86	15.059	
2,660.0	2,654.3	2,625.2	2,620.2	7.0	7.1	-122.55	-99.7	121.2	190.7	179.3	11.44	16.666	
2,755.0	2,747.2	2,715.6	2,708.7	7.2	7.3	-124.49	-113.1	134.4	219.0	207.1	11.86	18.466	
2,850.0	2,840.2	2,806.1	2,797.2	7.3	7.5	-125.99	-126.5	147.6	247.4	235.2	12.21	20.262	
2,945.0	2,933.1	2,896.5	2,885.7	7.5	7.6	-127.18	-139.8	160.9	275.9	263.4	12.59	21.910	
3,040.0	3,026.0	2,987.0	2,974.2	7.7	7.8	-128.15	-153.2	174.1	304.6	291.6	13.01	23.415	
3,135.0	3,118.9	3,077.5	3,062.7	7.9	8.0	-128.96	-166.6	187.3	333.3	319.8	13.45	24.784	
3,230.0	3,211.9	3,167.9	3,151.1	8.2	8.2	-129.63	-180.0	200.5	362.1	348.1	13.91	26.026	
3,325.0	3,304.8	3,258.4	3,239.6	8.4	8.4	-130.21	-193.3	213.7	390.8	376.5	14.40	27.151	
3,420.0	3,397.7	3,348.8	3,328.1	8.6	8.6	-130.71	-206.7	227.0	419.7	404.8	14.90	28.169	
3,515.0	3,490.6	3,439.3	3,416.6	8.9	8.9	-131.14	-220.1	240.2	448.5	433.1	15.42	29.090	
3,610.0	3,583.5	3,529.8	3,505.1	9.1	9.1	-131.52	-233.4	253.4	477.4	461.4	15.95	29.924	
3,705.0	3,676.5	3,620.2	3,593.6	9.4	9.3	-131.86	-246.8	266.6	506.3	489.8	16.50	30.679	
3,800.0	3,769.4	3,710.7	3,682.0	9.7	9.6	-132.16	-260.2	279.8	535.2	518.1	17.06	31.363	
3,895.0	3,862.3	3,801.1	3,770.5	9.9	9.8	-132.43	-273.6	293.1	564.1	546.5	17.64	31.985	
3,990.0	3,955.2	3,891.6	3,859.0	10.2	10.1	-132.67	-286.9	306.3	593.0	574.8	18.22	32.549	
4,085.0	4,048.2	3,982.0	3,947.5	10.5	10.3	-132.89	-300.3	319.5	622.0	603.2	18.81	33.063	
4,180.0	4,141.1	4,072.5	4,036.0	10.8	10.6	-133.10	-313.7	332.7	650.9	631.5	19.41	33.532	
4,275.0	4,234.0	4,163.0	4,124.4	11.1	10.9	-133.28	-327.0	345.9	679.9	659.8	20.02	33.961	
4,370.0	4,326.9	4,253.4	4,212.9	11.4	11.2	-133.45	-340.4	359.2	708.8	688.2	20.63	34.353	
4,465.0	4,419.9	4,343.9	4,301.4	11.7	11.5	-133.61	-353.8	372.4	737.8	716.5	21.25	34.713	
4,560.0	4,512.8	4,434.3	4,389.9	12.0	11.7	-133.75	-367.1	385.6	766.7	744.9	21.88	35.044	
4,655.0	4,605.7	4,524.8	4,478.4	12.3	12.0	-133.88	-380.5	398.8	795.7	773.2	22.51	35.348	
4,750.0	4,698.6	4,615.3	4,566.9	12.7	12.3	-134.01	-393.9	412.0	824.7	801.5	23.15	35.629	
4,845.0	4,791.6	4,705.7	4,655.3	13.0	12.6	-134.12	-407.3	425.3	853.7	829.9	23.79	35.888	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #703H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12557-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,884.5	4,796.2	4,743.8	13.3	12.9	-134.23	-420.6	438.5	882.6	858.2	24.43	36.128	
5,035.0	4,977.4	4,886.6	4,832.3	13.6	13.2	-134.33	-434.0	451.7	911.6	886.6	25.08	36.350	
5,130.0	5,070.3	4,977.1	4,920.8	14.0	13.5	-134.43	-447.4	464.9	940.6	914.9	25.73	36.557	
5,225.0	5,163.2	5,067.5	5,009.3	14.3	13.8	-134.52	-460.7	478.1	969.6	943.2	26.38	36.748	
5,320.0	5,256.2	5,158.0	5,097.8	14.6	14.1	-134.60	-474.1	491.4	998.6	971.5	27.04	36.927	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #704H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12476-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	3.0	3.0	124.88	-16.8	24.1	29.4				
95.0	95.0	95.9	95.9	3.0	3.0	124.88	-16.8	24.1	29.4	23.4	6.00	4.896	
190.0	190.0	190.9	190.9	3.0	3.0	124.88	-16.8	24.1	29.4	23.4	6.00	4.892	
285.0	285.0	285.9	285.9	3.0	3.0	124.88	-16.8	24.1	29.4	23.4	6.01	4.884	
380.0	380.0	380.9	380.9	3.0	3.0	124.88	-16.8	24.1	29.4	23.3	6.03	4.872	
475.0	475.0	475.9	475.9	3.0	3.0	124.88	-16.8	24.1	29.4	23.3	6.05	4.856	
570.0	570.0	570.9	570.9	3.1	3.1	124.88	-16.8	24.1	29.4	23.3	6.08	4.835	
665.0	665.0	665.9	665.9	3.1	3.1	124.88	-16.8	24.1	29.4	23.3	6.11	4.811	
760.0	760.0	760.9	760.9	3.1	3.1	124.88	-16.8	24.1	29.4	23.2	6.14	4.782	
855.0	855.0	855.9	855.9	3.2	3.2	124.88	-16.8	24.1	29.4	23.2	6.18	4.751	
950.0	950.0	950.9	950.9	3.2	3.2	124.88	-16.8	24.1	29.4	23.1	6.23	4.716	
1,045.0	1,045.0	1,045.9	1,045.9	3.3	3.3	124.88	-16.8	24.1	29.4	23.1	6.28	4.677	
1,140.0	1,140.0	1,140.9	1,140.9	3.3	3.3	124.88	-16.8	24.1	29.4	23.0	6.34	4.636	
1,235.0	1,235.0	1,235.9	1,235.9	3.4	3.4	124.88	-16.8	24.1	29.4	23.0	6.40	4.593	
1,330.0	1,330.0	1,330.9	1,330.9	3.4	3.4	124.88	-16.8	24.1	29.4	22.9	6.46	4.547	
1,425.0	1,425.0	1,425.9	1,425.9	3.5	3.5	124.88	-16.8	24.1	29.4	22.8	6.53	4.499	
1,520.0	1,520.0	1,520.9	1,520.9	3.6	3.6	124.88	-16.8	24.1	29.4	22.8	6.60	4.449	
1,615.0	1,615.0	1,615.9	1,615.9	3.6	3.6	124.88	-16.8	24.1	29.4	22.7	6.68	4.398	
1,710.0	1,710.0	1,710.9	1,710.9	3.7	3.7	124.88	-16.8	24.1	29.4	22.6	6.76	4.345	
1,805.0	1,805.0	1,805.9	1,805.9	3.8	3.8	124.88	-16.8	24.1	29.4	22.5	6.85	4.291	
1,900.0	1,900.0	1,900.9	1,900.9	3.9	3.9	124.88	-16.8	24.1	29.4	22.4	6.93	4.237	
1,995.0	1,995.0	1,995.9	1,995.9	3.9	3.9	124.88	-16.8	24.1	29.4	22.4	7.03	4.181	CC, ES, SF
2,090.0	2,090.0	2,090.8	2,090.8	4.0	4.1	-106.38	-18.1	23.4	30.0	22.8	7.15	4.191	
2,185.0	2,184.9	2,185.6	2,185.5	4.4	4.6	-106.04	-22.1	21.3	31.8	24.4	7.41	4.300	
2,280.0	2,279.6	2,280.4	2,280.0	5.0	5.2	-105.58	-29.0	17.8	35.0	27.3	7.71	4.545	
2,375.0	2,373.9	2,375.1	2,374.1	5.5	5.7	-105.06	-38.5	12.8	39.5	31.4	8.05	4.906	
2,470.0	2,467.9	2,469.7	2,467.6	6.1	6.2	-104.54	-50.9	6.3	45.3	36.8	8.43	5.367	
2,565.0	2,561.3	2,564.3	2,560.6	6.6	6.5	-104.09	-65.9	-1.5	52.3	43.4	8.85	5.910	
2,660.0	2,654.3	2,658.9	2,653.6	7.0	6.7	-105.08	-81.9	-9.9	60.1	50.8	9.34	6.438	
2,755.0	2,747.2	2,753.6	2,746.5	7.2	6.8	-106.05	-97.9	-18.2	68.0	58.2	9.85	6.911	
2,850.0	2,840.2	2,848.3	2,839.4	7.3	7.0	-106.82	-113.9	-26.6	76.0	65.6	10.37	7.329	
2,945.0	2,933.1	2,942.9	2,932.3	7.5	7.2	-107.44	-129.9	-34.9	83.9	73.0	10.91	7.692	
3,040.0	3,026.0	3,037.6	3,025.3	7.7	7.4	-107.96	-146.0	-43.3	91.9	80.4	11.47	8.009	
3,135.0	3,118.9	3,132.3	3,118.2	7.9	7.6	-108.39	-162.0	-51.7	99.8	87.8	12.05	8.284	
3,230.0	3,211.9	3,226.9	3,211.1	8.2	7.8	-108.76	-178.0	-60.0	107.8	95.1	12.64	8.524	
3,325.0	3,304.8	3,321.6	3,304.0	8.4	8.1	-109.08	-194.0	-68.4	115.7	102.5	13.25	8.735	
3,420.0	3,397.7	3,416.2	3,396.9	8.6	8.3	-109.36	-210.0	-76.7	123.7	109.8	13.87	8.920	
3,515.0	3,490.6	3,510.9	3,489.9	8.9	8.6	-109.60	-226.1	-85.1	131.7	117.2	14.50	9.083	
3,610.0	3,583.5	3,605.6	3,582.8	9.1	8.8	-109.82	-242.1	-93.4	139.7	124.5	15.13	9.228	
3,705.0	3,676.5	3,700.2	3,675.7	9.4	9.1	-110.01	-258.1	-101.8	147.6	131.9	15.78	9.356	
3,800.0	3,769.4	3,794.9	3,768.6	9.7	9.4	-110.18	-274.1	-110.2	155.6	139.2	16.43	9.469	
3,895.0	3,862.3	3,889.6	3,861.6	9.9	9.6	-110.34	-290.1	-118.5	163.6	146.5	17.09	9.571	
3,990.0	3,955.2	3,984.2	3,954.5	10.2	9.9	-110.48	-306.1	-126.9	171.6	153.8	17.76	9.662	
4,085.0	4,048.2	4,078.9	4,047.4	10.5	10.2	-110.61	-322.2	-135.2	179.5	161.1	18.43	9.744	
4,180.0	4,141.1	4,173.5	4,140.3	10.8	10.5	-110.73	-338.2	-143.6	187.5	168.4	19.10	9.818	
4,275.0	4,234.0	4,268.2	4,233.3	11.1	10.8	-110.84	-354.2	-152.0	195.5	175.7	19.78	9.885	
4,370.0	4,326.9	4,362.9	4,326.2	11.4	11.1	-110.94	-370.2	-160.3	203.5	183.0	20.46	9.945	
4,465.0	4,419.9	4,457.5	4,419.1	11.7	11.4	-111.03	-386.2	-168.7	211.5	190.3	21.15	10.000	
4,560.0	4,512.8	4,552.2	4,512.0	12.0	11.7	-111.12	-402.3	-177.0	219.4	197.6	21.83	10.051	
4,655.0	4,605.7	4,646.9	4,604.9	12.3	12.1	-111.20	-418.3	-185.4	227.4	204.9	22.53	10.097	
4,750.0	4,698.6	4,741.5	4,697.9	12.7	12.4	-111.27	-434.3	-193.7	235.4	212.2	23.22	10.139	
4,845.0	4,791.6	4,836.2	4,790.8	13.0	12.7	-111.34	-450.3	-202.1	243.4	219.5	23.92	10.178	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #704H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12476-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,940.0	4,884.5	4,930.9	4,883.7	13.3	13.0	-111.41	-466.3	-210.5	251.4	226.8	24.61	10.213	
5,035.0	4,977.4	5,025.5	4,976.6	13.6	13.3	-111.47	-482.3	-218.8	259.4	234.1	25.31	10.246	
5,130.0	5,070.3	5,120.2	5,069.6	14.0	13.7	-111.52	-498.4	-227.2	267.4	241.3	26.02	10.276	
5,225.0	5,163.2	5,214.8	5,162.5	14.3	14.0	-111.58	-514.4	-235.5	275.3	248.6	26.72	10.305	
5,320.0	5,256.2	5,309.5	5,255.4	14.6	14.3	-111.63	-530.4	-243.9	283.3	255.9	27.43	10.331	
5,415.0	5,349.1	5,404.2	5,348.3	15.0	14.6	-111.68	-546.4	-252.2	291.3	263.2	28.13	10.355	
5,510.0	5,442.0	5,498.8	5,441.3	15.3	15.0	-111.72	-562.4	-260.6	299.3	270.5	28.84	10.378	
5,605.0	5,534.9	5,593.5	5,534.2	15.6	15.3	-111.77	-578.4	-269.0	307.3	277.7	29.55	10.399	
5,700.0	5,627.9	5,688.2	5,627.1	16.0	15.7	-111.81	-594.5	-277.3	315.3	285.0	30.26	10.418	
5,795.0	5,720.8	5,782.8	5,720.0	16.3	16.0	-111.85	-610.5	-285.7	323.2	292.3	30.97	10.437	
5,890.0	5,813.7	5,877.5	5,813.0	16.7	16.3	-111.88	-626.5	-294.0	331.2	299.6	31.68	10.454	
5,985.0	5,906.6	5,972.2	5,905.9	17.0	16.7	-111.92	-642.5	-302.4	339.2	306.8	32.40	10.470	
6,080.0	5,999.6	6,066.8	5,998.8	17.3	17.0	-111.95	-658.5	-310.8	347.2	314.1	33.11	10.485	
6,175.0	6,092.5	6,161.5	6,091.7	17.7	17.4	-111.98	-674.6	-319.1	355.2	321.4	33.83	10.500	
6,270.0	6,185.4	6,256.1	6,184.6	18.0	17.7	-112.02	-690.6	-327.5	363.2	328.6	34.55	10.513	
6,365.0	6,278.3	6,350.8	6,277.6	18.4	18.0	-112.05	-706.6	-335.8	371.2	335.9	35.26	10.526	
6,460.0	6,371.2	6,445.5	6,370.5	18.7	18.4	-112.07	-722.6	-344.2	379.2	343.2	35.98	10.538	
6,555.0	6,464.2	6,540.1	6,463.4	19.1	18.7	-112.10	-738.6	-352.5	387.1	350.4	36.70	10.549	
6,650.0	6,557.1	6,634.8	6,556.3	19.4	19.1	-112.13	-754.6	-360.9	395.1	357.7	37.42	10.561	
6,745.0	6,650.0	6,729.7	6,649.7	19.8	19.4	-112.31	-769.7	-368.8	403.1	365.0	38.13	10.571	
6,840.0	6,742.9	6,824.4	6,743.4	20.1	19.8	-112.92	-782.1	-375.2	411.0	372.2	38.87	10.576	
6,935.0	6,835.9	6,918.8	6,837.2	20.5	20.3	-113.93	-791.7	-380.2	419.0	379.4	39.61	10.579	
7,030.0	6,928.8	7,012.6	6,930.6	20.8	20.7	-115.31	-798.5	-383.8	427.2	386.9	40.36	10.586	
7,125.0	7,021.7	7,105.6	7,023.5	21.2	21.1	-117.02	-802.5	-385.9	435.9	394.8	41.11	10.603	
7,220.0	7,114.6	7,197.7	7,115.6	21.5	21.4	-119.03	-803.9	-386.6	445.2	403.3	41.84	10.641	
7,315.0	7,207.6	7,290.6	7,208.5	21.9	21.6	-121.17	-803.9	-386.6	455.3	412.7	42.54	10.701	
7,410.0	7,300.5	7,383.5	7,301.4	22.2	21.9	-123.22	-803.9	-386.6	465.9	422.7	43.25	10.774	
7,505.0	7,393.4	7,476.4	7,394.3	22.6	22.2	-125.17	-803.9	-386.6	477.2	433.3	43.94	10.859	
7,600.0	7,486.3	7,569.3	7,487.2	23.0	22.5	-127.04	-803.9	-386.6	489.0	444.4	44.64	10.955	
7,695.0	7,579.3	7,662.3	7,580.2	23.3	22.7	-128.82	-803.9	-386.6	501.3	456.0	45.33	11.060	
7,790.0	7,672.2	7,755.2	7,673.1	23.7	23.0	-130.51	-803.9	-386.6	514.1	468.1	46.01	11.173	
7,885.0	7,765.1	7,848.1	7,766.0	24.0	23.3	-132.12	-803.9	-386.6	527.3	480.6	46.69	11.293	
7,980.0	7,858.0	7,941.0	7,858.9	24.4	23.6	-133.66	-803.9	-386.6	540.9	493.5	47.37	11.419	
8,075.0	7,950.9	8,034.0	7,951.8	24.8	23.8	-135.12	-803.9	-386.6	554.9	506.8	48.05	11.549	
8,170.0	8,043.9	8,126.9	8,044.8	25.1	24.1	-136.51	-803.9	-386.6	569.2	520.5	48.72	11.684	
8,265.0	8,136.8	8,219.8	8,137.7	25.5	24.4	-137.83	-803.9	-386.6	583.8	534.5	49.39	11.822	
8,360.0	8,229.7	8,312.7	8,230.6	25.8	24.7	-139.08	-803.9	-386.6	598.8	548.7	50.05	11.963	
8,455.0	8,322.6	8,405.7	8,323.5	26.2	25.0	-140.28	-803.9	-386.6	614.0	563.3	50.72	12.106	
8,550.0	8,415.6	8,498.6	8,416.5	26.6	25.3	-141.42	-803.9	-386.6	629.4	578.0	51.38	12.250	
8,645.0	8,508.5	8,591.5	8,509.4	26.9	25.5	-142.51	-803.9	-386.6	645.1	593.1	52.04	12.396	
8,740.0	8,601.4	8,684.4	8,602.3	27.3	25.8	-143.54	-803.9	-386.6	661.0	608.3	52.71	12.542	
8,835.0	8,694.4	8,777.4	8,695.3	27.6	26.1	-144.58	-803.9	-386.6	677.0	623.6	53.37	12.685	
8,930.0	8,787.8	8,870.8	8,788.7	28.0	26.4	-145.56	-803.9	-386.6	691.3	637.2	54.06	12.786	
9,025.0	8,881.7	8,964.7	8,882.6	28.4	26.7	-146.35	-803.9	-386.6	703.0	648.3	54.78	12.834	
9,120.0	8,976.1	9,059.1	8,977.0	28.8	27.0	-146.94	-803.9	-386.6	712.3	656.8	55.49	12.836	
9,215.0	9,070.7	9,153.7	9,071.6	29.2	27.3	-147.36	-803.9	-386.6	718.9	662.8	56.19	12.794	
9,310.0	9,165.6	9,248.6	9,166.5	29.6	27.6	-147.60	-803.9	-386.6	723.0	666.1	56.88	12.711	
9,405.0	9,260.6	9,343.6	9,261.5	29.9	27.9	-147.69	-803.9	-386.6	724.3	666.9	57.47	12.604	
9,500.0	9,355.6	9,438.6	9,356.5	30.2	28.2	83.72	-803.9	-386.6	724.3	666.3	58.05	12.479	
9,595.0	9,450.6	9,533.6	9,451.5	30.4	28.5	83.72	-803.9	-386.6	724.3	665.7	58.62	12.356	
9,690.0	9,545.6	9,628.6	9,546.5	30.7	28.8	83.72	-803.9	-386.6	724.3	665.1	59.20	12.236	
9,785.0	9,640.6	9,723.6	9,641.5	31.0	29.1	83.72	-803.9	-386.6	724.3	664.6	59.78	12.117	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #704H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12476-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,880.0	9,735.6	9,818.6	9,736.5	31.3	29.4	83.72	-803.9	-386.6	724.3	664.0	60.36	12.000	
9,975.0	9,830.6	9,913.6	9,831.5	31.5	29.7	83.72	-803.9	-386.6	724.3	663.4	60.94	11.885	
10,070.0	9,925.6	10,008.6	9,926.5	31.8	30.0	83.72	-803.9	-386.6	724.3	662.8	61.53	11.772	
10,165.0	10,020.6	10,103.6	10,021.5	32.1	30.3	83.72	-803.9	-386.6	724.3	662.2	62.12	11.661	
10,260.0	10,115.6	10,198.6	10,116.5	32.4	30.7	83.72	-803.9	-386.6	724.3	661.6	62.71	11.551	
10,355.0	10,210.6	10,293.6	10,211.5	32.7	31.0	83.72	-803.9	-386.6	724.3	661.0	63.30	11.443	
10,450.0	10,305.6	10,388.6	10,306.5	32.9	31.3	83.72	-803.9	-386.6	724.3	660.5	63.89	11.337	
10,545.0	10,400.6	10,483.6	10,401.5	33.2	31.6	83.72	-803.9	-386.6	724.3	659.9	64.49	11.232	
10,640.0	10,495.6	10,578.6	10,496.5	33.5	31.9	83.72	-803.9	-386.6	724.3	659.3	65.08	11.129	
10,735.0	10,590.6	10,673.6	10,591.5	33.8	32.2	83.72	-803.9	-386.6	724.3	658.7	65.68	11.028	
10,830.0	10,685.6	10,768.6	10,686.5	34.1	32.5	83.72	-803.9	-386.6	724.3	658.1	66.28	10.928	
10,925.0	10,780.6	10,863.6	10,781.5	34.4	32.8	83.72	-803.9	-386.6	724.3	657.5	66.88	10.830	
11,020.0	10,875.6	10,958.6	10,876.5	34.7	33.1	83.72	-803.9	-386.6	724.3	656.9	67.49	10.733	
11,115.0	10,970.6	11,053.6	10,971.5	35.0	33.5	83.72	-803.9	-386.6	724.3	656.3	68.09	10.638	
11,210.0	11,065.6	11,148.6	11,066.5	35.2	33.8	83.72	-803.9	-386.6	724.3	655.6	68.70	10.544	
11,305.0	11,160.6	11,243.6	11,161.5	35.5	34.1	83.72	-803.9	-386.6	724.3	655.0	69.30	10.452	
11,400.0	11,255.6	11,338.6	11,256.5	35.8	34.4	83.72	-803.9	-386.6	724.3	654.4	69.91	10.361	
11,495.0	11,350.6	11,433.6	11,351.5	36.1	34.7	83.72	-803.9	-386.6	724.3	653.8	70.52	10.271	
11,590.0	11,445.6	11,528.6	11,446.5	36.4	35.0	83.72	-803.9	-386.6	724.3	653.2	71.13	10.183	
11,685.0	11,540.6	11,623.6	11,541.5	36.7	35.4	83.72	-803.9	-386.6	724.3	652.6	71.75	10.096	
11,780.0	11,635.6	11,718.6	11,636.5	37.0	35.7	83.72	-803.9	-386.6	724.3	652.0	72.36	10.010	
11,875.0	11,730.6	11,813.6	11,731.5	37.3	36.0	83.72	-803.9	-386.6	724.3	651.4	72.97	9.926	
11,970.0	11,825.6	11,908.6	11,826.5	37.6	36.3	83.72	-803.9	-386.6	724.3	650.8	73.59	9.843	
12,065.0	11,920.6	12,003.6	11,921.5	37.9	36.6	83.72	-803.9	-386.6	724.3	650.1	74.21	9.761	
12,160.0	12,015.6	12,098.6	12,016.5	38.2	36.9	83.72	-803.9	-386.6	724.3	649.5	74.83	9.680	
12,255.1	12,110.7	12,193.7	12,111.6	38.5	37.3	83.72	-803.9	-386.6	724.3	648.9	75.44	9.601	
12,350.0	12,205.0	12,288.0	12,205.9	38.5	37.6	-96.43	-803.9	-386.6	725.4	649.5	75.81	9.568	
12,445.0	12,295.6	12,378.6	12,296.5	38.6	37.9	-98.06	-803.9	-386.6	729.1	652.9	76.17	9.572	
12,540.0	12,379.0	12,462.0	12,379.9	38.6	38.2	-100.15	-803.9	-386.6	737.3	660.8	76.53	9.634	
12,635.0	12,451.7	12,611.6	12,527.7	38.7	38.3	-104.94	-823.0	-388.0	749.4	672.4	77.07	9.724	
12,730.0	12,511.1	12,819.7	12,708.5	38.8	38.4	-110.01	-922.2	-395.5	757.3	680.3	77.00	9.836	
12,825.0	12,554.6	13,099.2	12,854.4	38.9	38.6	-112.53	-1,155.3	-413.0	753.6	677.5	76.09	9.904	
12,920.0	12,580.6	13,271.0	12,870.2	39.0	38.7	-112.06	-1,325.1	-425.6	738.4	662.1	76.29	9.679	
13,015.0	12,588.0	13,347.2	12,868.5	39.1	38.8	-112.61	-1,401.2	-429.4	729.7	653.0	76.70	9.514	
13,110.0	12,585.7	13,424.1	12,866.8	39.3	38.9	-112.70	-1,478.1	-431.1	727.1	650.0	77.02	9.440	
13,171.4	12,584.3	13,474.3	12,865.7	39.4	39.0	-112.72	-1,528.2	-431.2	726.6	649.4	77.24	9.407	
13,205.0	12,583.4	13,507.3	12,865.0	39.5	39.0	-112.72	-1,561.3	-430.9	726.6	649.3	77.35	9.394	
13,300.0	12,581.2	13,602.3	12,862.8	39.6	39.2	-112.74	-1,656.3	-430.1	726.7	649.0	77.70	9.353	
13,395.0	12,578.9	13,697.3	12,860.7	39.8	39.4	-112.75	-1,751.2	-429.4	726.8	648.7	78.07	9.309	
13,490.0	12,576.6	13,792.3	12,858.6	40.1	39.6	-112.76	-1,846.2	-428.6	726.8	648.4	78.48	9.262	
13,585.0	12,574.3	13,887.3	12,856.5	40.3	39.8	-112.78	-1,941.2	-427.9	726.9	648.0	78.90	9.213	
13,680.0	12,572.0	13,982.3	12,854.4	40.5	40.0	-112.79	-2,036.2	-427.1	727.0	647.6	79.35	9.161	
13,775.0	12,569.7	14,077.3	12,852.3	40.8	40.2	-112.80	-2,131.1	-426.3	727.0	647.2	79.83	9.108	
13,870.0	12,567.4	14,172.3	12,850.1	41.0	40.5	-112.82	-2,226.1	-425.6	727.1	646.8	80.32	9.052	
13,965.0	12,565.1	14,267.3	12,848.0	41.3	40.7	-112.83	-2,321.1	-424.8	727.2	646.3	80.85	8.995	
14,060.0	12,562.8	14,362.3	12,845.9	41.6	41.0	-112.84	-2,416.0	-424.1	727.2	645.8	81.39	8.935	
14,155.0	12,560.5	14,457.3	12,843.8	41.8	41.3	-112.85	-2,511.0	-423.3	727.3	645.3	81.95	8.874	
14,250.0	12,558.2	14,552.3	12,841.7	42.1	41.6	-112.87	-2,606.0	-422.5	727.4	644.8	82.54	8.812	
14,345.0	12,555.9	14,647.3	12,839.6	42.4	41.9	-112.88	-2,701.0	-421.8	727.4	644.3	83.15	8.748	
14,440.0	12,553.6	14,742.3	12,837.4	42.8	42.2	-112.89	-2,795.9	-421.0	727.5	643.7	83.78	8.684	
14,535.0	12,551.3	14,837.3	12,835.3	43.1	42.5	-112.91	-2,890.9	-420.3	727.6	643.1	84.43	8.618	
14,630.0	12,549.0	14,932.3	12,833.2	43.4	42.9	-112.92	-2,985.9	-419.5	727.6	642.5	85.10	8.551	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #704H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12476-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,725.0	12,546.7	15,027.3	12,831.1	43.8	43.2	-112.93	-3,080.9	-418.7	727.7	641.9	85.79	8.483	
14,820.0	12,544.4	15,122.3	12,829.0	44.1	43.6	-112.95	-3,175.8	-418.0	727.8	641.3	86.49	8.414	
14,915.0	12,542.1	15,217.3	12,826.9	44.5	44.0	-112.96	-3,270.8	-417.2	727.8	640.6	87.22	8.345	
15,010.0	12,539.8	15,312.3	12,824.7	44.9	44.3	-112.97	-3,365.8	-416.5	727.9	639.9	87.96	8.275	
15,105.0	12,537.5	15,407.3	12,822.6	45.3	44.7	-112.99	-3,460.7	-415.7	728.0	639.2	88.72	8.205	
15,200.0	12,535.2	15,502.3	12,820.5	45.6	45.1	-113.00	-3,555.7	-414.9	728.0	638.5	89.50	8.134	
15,295.0	12,532.9	15,597.3	12,818.4	46.0	45.5	-113.01	-3,650.7	-414.2	728.1	637.8	90.30	8.063	
15,390.0	12,530.6	15,692.3	12,816.3	46.4	45.9	-113.02	-3,745.7	-413.4	728.2	637.1	91.11	7.992	
15,485.0	12,528.3	15,787.3	12,814.2	46.9	46.3	-113.04	-3,840.6	-412.7	728.2	636.3	91.94	7.921	
15,580.0	12,526.0	15,882.3	12,812.0	47.3	46.8	-113.05	-3,935.6	-411.9	728.3	635.5	92.78	7.850	
15,675.0	12,523.7	15,977.3	12,809.9	47.7	47.2	-113.06	-4,030.6	-411.1	728.4	634.7	93.64	7.778	
15,770.0	12,521.4	16,072.3	12,807.8	48.1	47.6	-113.08	-4,125.6	-410.4	728.4	633.9	94.51	7.707	
15,865.0	12,519.2	16,167.3	12,805.7	48.6	48.1	-113.09	-4,220.5	-409.6	728.5	633.1	95.40	7.636	
15,960.0	12,516.9	16,262.3	12,803.6	49.0	48.5	-113.10	-4,315.5	-408.9	728.6	632.3	96.30	7.565	
16,055.0	12,514.6	16,357.3	12,801.4	49.5	49.0	-113.12	-4,410.5	-408.1	728.6	631.4	97.22	7.495	
16,150.0	12,512.3	16,452.3	12,799.3	49.9	49.5	-113.13	-4,505.5	-407.3	728.7	630.6	98.14	7.425	
16,245.0	12,510.0	16,547.3	12,797.2	50.4	49.9	-113.14	-4,600.4	-406.6	728.8	629.7	99.08	7.355	
16,340.0	12,507.7	16,642.3	12,795.1	50.9	50.4	-113.16	-4,695.4	-405.8	728.8	628.8	100.04	7.286	
16,435.0	12,505.4	16,737.3	12,793.0	51.4	50.9	-113.17	-4,790.4	-405.1	728.9	627.9	101.00	7.217	
16,530.0	12,503.1	16,832.3	12,790.9	51.8	51.4	-113.18	-4,885.3	-404.3	729.0	627.0	101.98	7.149	
16,625.0	12,500.8	16,927.3	12,788.7	52.3	51.9	-113.19	-4,980.3	-403.5	729.0	626.1	102.96	7.081	
16,720.0	12,498.5	17,022.3	12,786.6	52.8	52.4	-113.21	-5,075.3	-402.8	729.1	625.2	103.96	7.013	
16,815.0	12,496.2	17,117.3	12,784.5	53.3	52.9	-113.22	-5,170.3	-402.0	729.2	624.2	104.97	6.947	
16,910.0	12,493.9	17,212.3	12,782.4	53.8	53.4	-113.23	-5,265.2	-401.3	729.3	623.3	105.99	6.881	
17,005.0	12,491.6	17,307.3	12,780.3	54.3	53.9	-113.25	-5,360.2	-400.5	729.3	622.3	107.02	6.815	
17,100.0	12,489.3	17,402.3	12,778.2	54.9	54.5	-113.26	-5,455.2	-399.7	729.4	621.3	108.05	6.750	
17,195.0	12,487.0	17,497.3	12,776.0	55.4	55.0	-113.27	-5,550.2	-399.0	729.5	620.4	109.10	6.686	
17,290.0	12,484.7	17,592.3	12,773.9	55.9	55.5	-113.29	-5,645.1	-398.2	729.5	619.4	110.16	6.622	
17,385.0	12,482.4	17,687.3	12,771.8	56.4	56.0	-113.30	-5,740.1	-397.5	729.6	618.4	111.23	6.559	
17,480.0	12,480.1	17,782.3	12,769.7	57.0	56.6	-113.31	-5,835.1	-396.7	729.7	617.4	112.30	6.497	
17,575.0	12,477.8	17,877.3	12,767.6	57.5	57.1	-113.32	-5,930.1	-395.9	729.7	616.3	113.39	6.436	
17,670.0	12,475.5	17,972.3	12,765.5	58.0	57.7	-113.34	-6,025.0	-395.2	729.8	615.3	114.48	6.375	
17,765.0	12,473.2	18,067.3	12,763.3	58.6	58.2	-113.35	-6,120.0	-394.4	729.9	614.3	115.58	6.315	
17,860.0	12,470.9	18,162.3	12,761.2	59.1	58.8	-113.36	-6,215.0	-393.7	729.9	613.2	116.69	6.255	
17,955.0	12,468.6	18,257.3	12,759.1	59.7	59.3	-113.38	-6,309.9	-392.9	730.0	612.2	117.80	6.197	
18,050.0	12,466.3	18,352.3	12,757.0	60.3	59.9	-113.39	-6,404.9	-392.1	730.1	611.1	118.92	6.139	
18,145.0	12,464.0	18,447.3	12,754.9	60.8	60.5	-113.40	-6,499.9	-391.4	730.1	610.1	120.05	6.082	
18,240.0	12,461.7	18,542.3	12,752.8	61.4	61.0	-113.42	-6,594.9	-390.6	730.2	609.0	121.19	6.025	
18,335.0	12,459.5	18,637.3	12,750.6	61.9	61.6	-113.43	-6,689.8	-389.9	730.3	607.9	122.33	5.969	
18,430.0	12,457.2	18,732.3	12,748.5	62.5	62.2	-113.44	-6,784.8	-389.1	730.3	606.9	123.48	5.914	
18,525.0	12,454.9	18,827.3	12,746.4	63.1	62.8	-113.45	-6,879.8	-388.3	730.4	605.8	124.64	5.860	
18,620.0	12,452.6	18,922.3	12,744.3	63.7	63.3	-113.47	-6,974.8	-387.6	730.5	604.7	125.80	5.807	
18,715.0	12,450.3	19,017.3	12,742.2	64.2	63.9	-113.48	-7,069.7	-386.8	730.5	603.6	126.97	5.754	
18,810.0	12,448.0	19,112.3	12,740.1	64.8	64.5	-113.49	-7,164.7	-386.1	730.6	602.5	128.15	5.701	
18,905.0	12,445.7	19,207.3	12,737.9	65.4	65.1	-113.51	-7,259.7	-385.3	730.7	601.4	129.33	5.650	
19,000.0	12,443.4	19,302.3	12,735.8	66.0	65.7	-113.52	-7,354.7	-384.5	730.8	600.2	130.51	5.599	
19,095.0	12,441.1	19,397.3	12,733.7	66.6	66.3	-113.53	-7,449.6	-383.8	730.8	599.1	131.70	5.549	
19,190.0	12,438.8	19,492.3	12,731.6	67.2	66.9	-113.55	-7,544.6	-383.0	730.9	598.0	132.90	5.500	
19,285.0	12,436.5	19,587.3	12,729.5	67.8	67.5	-113.56	-7,639.6	-382.3	731.0	596.9	134.10	5.451	
19,380.0	12,434.2	19,682.3	12,727.4	68.4	68.1	-113.57	-7,734.5	-381.5	731.0	595.7	135.31	5.403	
19,475.0	12,431.9	19,777.3	12,725.2	69.0	68.7	-113.58	-7,829.5	-380.7	731.1	594.6	136.52	5.355	
19,570.0	12,429.6	19,872.3	12,723.1	69.6	69.3	-113.60	-7,924.5	-380.0	731.2	593.4	137.73	5.309	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: BANDANA FEDERAL PROJECT - BANDANA FEDERAL COM #704H - OWB - PWP0

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 2000-MWD+IFR1+MS, 12476-MWD+IFR1+MS

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,665.0	12,427.3	19,967.3	12,721.0	70.2	69.9	-113.61	-8,019.5	-379.2	731.2	592.3	138.95	5.262	
19,760.0	12,425.0	20,062.3	12,718.9	70.8	70.5	-113.62	-8,114.4	-378.5	731.3	591.1	140.18	5.217	
19,855.0	12,422.7	20,157.3	12,716.8	71.4	71.1	-113.64	-8,209.4	-377.7	731.4	590.0	141.41	5.172	
19,950.0	12,420.4	20,252.3	12,714.7	72.0	71.8	-113.65	-8,304.4	-376.9	731.4	588.8	142.64	5.128	
20,045.0	12,418.1	20,347.3	12,712.5	72.6	72.4	-113.66	-8,399.4	-376.2	731.5	587.6	143.88	5.084	
20,140.0	12,415.8	20,442.3	12,710.4	73.2	73.0	-113.68	-8,494.3	-375.4	731.6	586.5	145.12	5.041	
20,235.0	12,413.5	20,537.3	12,708.3	73.9	73.6	-113.69	-8,589.3	-374.7	731.7	585.3	146.36	4.999	
20,235.8	12,413.5	20,538.2	12,708.3	73.9	73.6	-113.69	-8,590.1	-374.7	731.7	585.3	146.37	4.999	
20,298.1	12,412.0	20,595.7	12,707.0	74.3	74.0	-113.70	-8,647.6	-374.2	731.7	584.6	147.11	4.974	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #603H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 11951-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	5.4	5.4	3.0	4.2	-172.64	-791.8	-102.3	798.4				
95.0	95.0	92.2	92.2	3.0	4.2	-172.62	-792.3	-102.6	798.9	791.7	7.24	110.308	
190.0	190.0	190.7	190.7	3.0	4.2	-172.59	-793.0	-103.1	799.7	792.5	7.25	110.311	
285.0	285.0	284.4	284.4	3.0	4.3	-172.55	-793.6	-103.7	800.4	793.1	7.26	110.186	
380.0	380.0	376.3	376.3	3.0	4.3	-172.52	-794.6	-104.3	801.5	794.2	7.29	109.993	
475.0	475.0	470.8	470.7	3.0	4.3	-172.52	-795.7	-104.5	802.6	795.3	7.32	109.671	
570.0	570.0	559.2	559.2	3.1	4.3	-172.53	-797.1	-104.5	804.1	796.7	7.36	109.302	
665.0	665.0	650.7	650.6	3.1	4.3	-172.59	-799.4	-103.9	806.4	799.0	7.40	108.941	
760.0	760.0	761.7	761.5	3.1	4.3	-172.79	-801.7	-101.5	808.1	800.7	7.46	108.381	
855.0	855.0	876.7	876.5	3.2	4.3	-172.96	-801.0	-98.8	807.2	799.7	7.50	107.674	
950.0	950.0	977.7	977.5	3.2	4.3	-173.07	-798.8	-97.0	804.9	797.4	7.54	106.811	
1,045.0	1,045.0	1,071.5	1,071.3	3.3	4.3	-173.15	-796.3	-95.7	802.3	794.7	7.58	105.803	
1,140.0	1,140.0	1,157.1	1,156.8	3.3	4.3	-173.27	-795.1	-93.7	800.6	793.0	7.64	104.785	
1,235.0	1,235.0	1,288.4	1,287.9	3.4	4.4	-173.69	-790.8	-87.5	797.0	789.3	7.70	103.564	
1,330.0	1,330.0	1,383.3	1,382.5	3.4	4.4	-174.09	-785.8	-81.3	791.4	783.6	7.76	101.918	
1,425.0	1,425.0	1,476.1	1,475.0	3.5	4.4	-174.48	-781.1	-75.5	785.9	778.1	7.84	100.243	
1,520.0	1,520.0	1,570.4	1,568.9	3.6	4.4	-174.87	-776.4	-69.7	780.7	772.8	7.92	98.561	
1,615.0	1,615.0	1,665.9	1,664.2	3.6	4.4	-175.26	-771.6	-64.0	775.5	767.5	8.01	96.853	
1,710.0	1,710.0	1,758.0	1,756.0	3.7	4.5	-175.64	-767.0	-58.5	770.3	762.2	8.10	95.115	
1,805.0	1,805.0	1,852.3	1,850.0	3.8	4.5	-176.01	-762.5	-53.2	765.4	757.2	8.19	93.407	
1,900.0	1,900.0	1,947.4	1,944.9	3.9	4.5	-176.37	-758.0	-48.0	760.6	752.3	8.29	91.698	
1,995.0	1,995.0	2,046.2	2,043.4	3.9	4.6	-176.77	-753.1	-42.5	755.5	747.1	8.40	89.953	
2,090.0	2,090.0	2,140.8	2,137.7	4.0	4.6	-48.78	-748.1	-36.5	749.2	740.7	8.51	88.053	
2,185.0	2,184.9	2,236.0	2,232.5	4.4	4.7	-49.65	-743.0	-30.2	740.9	732.2	8.69	85.282	
2,280.0	2,279.6	2,329.3	2,325.5	5.0	4.7	-50.77	-738.0	-23.6	730.7	721.8	8.88	82.307	
2,375.0	2,373.9	2,422.2	2,418.0	5.5	4.7	-52.13	-733.0	-17.1	718.7	709.6	9.07	79.256	
2,470.0	2,467.9	2,513.9	2,509.3	6.1	4.8	-53.74	-728.2	-10.6	705.4	696.1	9.25	76.223	
2,565.0	2,561.3	2,606.8	2,601.8	6.6	4.9	-55.72	-723.2	-3.5	690.6	681.1	9.43	73.213	
2,660.0	2,654.3	2,697.2	2,691.8	7.0	4.9	-57.76	-718.3	3.5	675.0	665.5	9.58	70.482	
2,755.0	2,747.2	2,784.7	2,778.9	7.2	5.0	-59.73	-713.5	10.3	660.3	650.6	9.72	67.903	
2,850.0	2,840.2	2,867.6	2,861.6	7.3	5.0	-61.61	-710.3	16.3	647.7	637.8	9.90	65.435	
2,945.0	2,933.1	2,957.9	2,951.6	7.5	5.1	-63.73	-707.0	22.9	636.4	626.3	10.10	62.995	
3,040.0	3,026.0	3,048.6	3,041.9	7.7	5.1	-66.01	-703.7	30.5	626.2	615.8	10.33	60.598	
3,135.0	3,118.9	3,139.7	3,132.6	7.9	5.2	-68.39	-700.3	38.3	617.0	606.4	10.59	58.245	
3,230.0	3,211.9	3,235.2	3,227.7	8.2	5.3	-70.84	-696.6	45.2	608.5	597.6	10.88	55.909	
3,325.0	3,304.8	3,327.8	3,320.1	8.4	5.3	-73.24	-692.7	51.4	600.7	589.5	11.20	53.634	
3,420.0	3,397.7	3,418.7	3,410.7	8.6	5.4	-75.70	-688.6	57.8	593.9	582.4	11.54	51.460	
3,515.0	3,490.6	3,520.1	3,511.7	8.9	5.5	-78.46	-683.4	64.3	587.5	575.6	11.91	49.330	
3,610.0	3,583.5	3,612.1	3,603.4	9.1	5.6	-81.00	-677.9	69.7	581.5	569.2	12.30	47.290	
3,705.0	3,676.5	3,705.6	3,696.6	9.4	5.6	-83.54	-672.7	74.1	576.4	563.7	12.70	45.390	
3,800.0	3,769.4	3,796.4	3,787.2	9.7	5.7	-85.93	-668.0	77.4	572.3	559.1	13.11	43.647	
3,895.0	3,862.3	3,885.6	3,876.3	9.9	5.8	-88.29	-663.7	80.7	569.5	556.0	13.54	42.072	
3,990.0	3,955.2	3,976.7	3,967.3	10.2	5.9	-90.68	-659.9	83.9	568.1	554.2	13.97	40.664	
4,043.7	4,007.7	4,027.3	4,017.8	10.4	5.9	-91.98	-658.0	85.5	567.9	553.7	14.22	39.946 CC	
4,085.0	4,048.2	4,065.4	4,055.9	10.5	5.9	-92.95	-656.7	86.6	568.1	553.7	14.41	39.432 ES	
4,180.0	4,141.1	4,155.3	4,145.6	10.8	6.0	-95.22	-653.9	89.6	569.5	554.6	14.85	38.346	
4,275.0	4,234.0	4,250.8	4,241.1	11.1	6.1	-97.60	-651.0	92.4	571.7	556.4	15.31	37.349	
4,370.0	4,326.9	4,343.8	4,334.0	11.4	6.2	-99.78	-648.9	94.1	574.6	558.9	15.76	36.456	
4,465.0	4,419.9	4,436.9	4,427.1	11.7	6.3	-101.83	-647.5	95.0	578.2	562.0	16.21	35.659	
4,560.0	4,512.8	4,531.3	4,521.5	12.0	6.3	-103.85	-646.4	95.7	582.4	565.8	16.67	34.942	
4,655.0	4,605.7	4,630.4	4,620.6	12.3	6.4	-105.92	-644.8	95.6	586.6	569.5	17.12	34.264	
4,750.0	4,698.6	4,715.0	4,705.2	12.7	6.5	-107.67	-643.3	95.5	591.4	573.9	17.55	33.694	

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

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Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #603H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 11951-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,845.0	4,791.6	4,797.2	4,787.3	13.0	6.5	-109.37	-642.6	96.9	598.7	580.7	18.00	33.260	
4,940.0	4,884.5	4,883.3	4,873.4	13.3	6.6	-111.10	-642.4	99.4	608.0	589.5	18.47	32.924	
5,035.0	4,977.4	4,978.1	4,968.1	13.6	6.7	-112.96	-642.4	102.5	618.3	599.3	18.96	32.617	
5,130.0	5,070.3	5,084.9	5,075.0	14.0	6.8	-114.99	-641.3	104.1	627.3	607.8	19.46	32.232	
5,225.0	5,163.2	5,168.4	5,158.4	14.3	6.9	-116.56	-640.1	105.3	636.7	616.8	19.91	31.982	
5,320.0	5,256.2	5,246.8	5,236.8	14.6	7.0	-117.95	-640.0	107.8	648.7	628.3	20.35	31.871	
5,415.0	5,349.1	5,364.0	5,353.9	15.0	7.0	-119.86	-640.9	110.8	661.1	640.2	20.91	31.623	
5,510.0	5,442.0	5,461.8	5,451.7	15.3	7.0	-121.33	-641.3	110.4	671.1	649.7	21.34	31.441	
5,605.0	5,534.9	5,555.8	5,545.7	15.6	7.0	-122.66	-642.1	109.5	681.1	659.3	21.76	31.295	
5,700.0	5,627.9	5,652.5	5,642.4	16.0	7.0	-123.90	-643.8	108.0	691.2	669.0	22.19	31.152	
5,795.0	5,720.8	5,745.1	5,734.9	16.3	7.0	-125.10	-644.6	106.4	701.2	678.6	22.59	31.040	
5,890.0	5,813.7	5,832.4	5,822.2	16.7	7.0	-126.50	-642.2	106.4	712.3	689.3	23.00	30.962	
5,985.0	5,906.6	5,922.5	5,912.3	17.0	7.1	-127.94	-639.1	107.0	724.3	700.8	23.43	30.906	
6,080.0	5,999.6	6,020.4	6,010.1	17.3	7.2	-129.47	-635.7	107.5	736.5	712.6	23.88	30.840	
6,175.0	6,092.5	6,111.3	6,100.9	17.7	7.2	-130.83	-632.6	107.6	748.9	724.6	24.30	30.814	
6,270.0	6,185.4	6,205.6	6,195.2	18.0	7.3	-132.20	-629.2	107.8	761.8	737.1	24.74	30.798	
6,365.0	6,278.3	6,299.5	6,289.1	18.4	7.4	-133.55	-625.5	107.8	774.9	749.7	25.16	30.793	
6,460.0	6,371.2	6,397.4	6,386.8	18.7	7.4	-134.84	-622.7	107.0	787.8	762.2	25.59	30.787 SF	
6,555.0	6,464.2	6,488.7	6,478.2	19.1	7.5	-135.87	-621.8	106.3	801.1	775.1	25.97	30.842	
6,650.0	6,557.1	6,585.2	6,574.6	19.4	7.5	-136.92	-620.7	105.1	814.3	787.9	26.37	30.880	
6,745.0	6,650.0	6,676.1	6,665.5	19.8	7.5	-137.88	-619.9	103.9	827.7	801.0	26.75	30.947	
6,840.0	6,742.9	6,768.7	6,758.1	20.1	7.6	-138.83	-618.9	103.0	841.6	814.5	27.13	31.017	
6,935.0	6,835.9	6,865.5	6,854.9	20.5	7.6	-139.82	-617.5	101.7	855.4	827.9	27.53	31.069	
7,030.0	6,928.8	6,958.2	6,947.6	20.8	7.7	-140.73	-616.2	100.3	869.3	841.4	27.92	31.138	
7,125.0	7,021.7	7,048.9	7,038.3	21.2	7.7	-141.59	-615.1	99.2	883.7	855.4	28.30	31.227	
7,220.0	7,114.6	7,140.2	7,129.6	21.5	7.8	-142.44	-613.8	98.0	898.2	869.6	28.68	31.316	
7,315.0	7,207.6	7,234.1	7,223.5	21.9	7.8	-143.29	-612.2	96.9	913.0	884.0	29.08	31.400	
7,410.0	7,300.5	7,325.9	7,315.3	22.2	7.9	-144.10	-610.8	95.7	928.0	898.5	29.46	31.494	
7,505.0	7,393.4	7,421.2	7,410.5	22.6	7.9	-144.91	-609.3	94.5	943.1	913.2	29.86	31.580	
7,600.0	7,486.3	7,511.4	7,500.7	23.0	8.0	-145.63	-608.1	93.6	958.6	928.3	30.25	31.693	
7,695.0	7,579.3	7,606.1	7,595.3	23.3	8.1	-146.38	-606.9	92.5	974.0	943.4	30.64	31.789	
7,790.0	7,672.2	7,696.9	7,686.2	23.7	8.1	-147.06	-605.8	91.7	989.9	958.9	31.03	31.906	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #703H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12241-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	6.7	6.7	3.0	4.2	-174.78	-791.5	-72.3	794.8				
95.0	95.0	108.8	108.8	3.0	4.2	-174.71	-790.8	-73.2	794.2	787.0	7.24	109.659	
190.0	190.0	206.4	206.4	3.0	4.2	-174.60	-789.6	-74.7	793.2	785.9	7.25	109.429	
256.3	256.3	262.5	262.5	3.0	4.2	-174.58	-789.2	-74.9	792.7	785.5	7.26	109.233	
285.0	285.0	289.1	289.1	3.0	4.2	-174.61	-789.3	-74.4	792.8	785.5	7.26	109.180	
380.0	380.0	379.7	379.7	3.0	4.2	-174.71	-789.9	-73.1	793.3	786.0	7.28	109.013	
475.0	475.0	473.1	473.0	3.0	4.3	-174.71	-790.9	-73.2	794.3	787.0	7.30	108.812	
570.0	570.0	567.1	567.0	3.1	4.3	-174.69	-792.0	-73.6	795.5	788.1	7.33	108.506	
665.0	665.0	660.9	660.8	3.1	4.3	-174.67	-793.1	-73.9	796.6	789.3	7.37	108.088	
760.0	760.0	757.1	757.0	3.1	4.3	-174.66	-794.3	-74.3	797.8	790.4	7.42	107.545	
855.0	855.0	852.6	852.5	3.2	4.3	-174.64	-795.3	-74.6	798.9	791.4	7.47	106.886	
950.0	950.0	947.8	947.7	3.2	4.3	-174.63	-796.4	-74.8	799.9	792.4	7.54	106.123	
1,045.0	1,045.0	1,042.1	1,042.0	3.3	4.3	-174.63	-797.5	-75.0	801.1	793.5	7.61	105.282	
1,140.0	1,140.0	1,133.6	1,133.5	3.3	4.4	-174.63	-798.8	-75.1	802.4	794.7	7.69	104.395	
1,235.0	1,235.0	1,226.7	1,226.6	3.4	4.4	-174.63	-800.5	-75.2	804.2	796.4	7.77	103.483	
1,330.0	1,330.0	1,331.6	1,331.5	3.4	4.4	-174.68	-802.2	-74.7	805.7	797.8	7.86	102.440	
1,425.0	1,425.0	1,428.7	1,428.6	3.5	4.5	-174.85	-802.8	-72.3	806.1	798.1	7.95	101.453	
1,520.0	1,520.0	1,522.7	1,522.5	3.6	4.5	-175.03	-803.5	-69.8	806.5	798.5	8.03	100.445	
1,615.0	1,615.0	1,616.6	1,616.4	3.6	4.5	-175.17	-804.0	-68.0	806.9	798.8	8.12	99.366	
1,710.0	1,710.0	1,712.2	1,712.0	3.7	4.5	-175.16	-804.5	-68.1	807.4	799.2	8.23	98.096	
1,805.0	1,805.0	1,806.0	1,805.8	3.8	4.6	-175.14	-805.0	-68.4	808.0	799.6	8.34	96.821	
1,900.0	1,900.0	1,901.9	1,901.7	3.9	4.6	-175.11	-805.6	-68.9	808.6	800.1	8.46	95.537	
1,995.0	1,995.0	1,997.7	1,997.4	3.9	4.7	-175.08	-806.0	-69.4	809.0	800.4	8.58	94.260	
2,090.0	2,090.0	2,092.4	2,092.2	4.0	4.7	-46.54	-806.5	-69.8	808.6	799.9	8.71	92.823	
2,185.0	2,184.9	2,196.5	2,196.2	4.4	4.7	-46.81	-806.4	-70.4	805.4	796.5	8.90	90.458	
2,280.0	2,279.6	2,294.0	2,293.7	5.0	4.7	-47.28	-805.6	-70.8	799.4	790.3	9.09	87.896	
2,375.0	2,373.9	2,386.9	2,386.6	5.5	4.7	-47.93	-804.8	-71.1	791.2	781.9	9.29	85.142	
2,470.0	2,467.9	2,480.9	2,480.7	6.1	4.7	-48.82	-804.0	-71.4	781.1	771.6	9.49	82.276	
2,565.0	2,561.3	2,573.7	2,573.5	6.6	4.7	-49.93	-803.1	-71.5	769.0	759.3	9.69	79.325	
2,660.0	2,654.3	2,667.8	2,667.5	7.0	4.7	-51.13	-802.2	-71.7	755.6	745.7	9.85	76.707	
2,755.0	2,747.2	2,761.7	2,761.4	7.2	4.7	-52.32	-801.3	-71.7	742.2	732.2	9.98	74.337	
2,850.0	2,840.2	2,855.6	2,855.3	7.3	4.7	-53.58	-800.2	-71.2	729.0	718.9	10.14	71.924	
2,945.0	2,933.1	2,949.5	2,949.3	7.5	4.7	-54.95	-799.0	-70.0	716.1	705.8	10.31	69.434	
3,040.0	3,026.0	3,041.8	3,041.4	7.7	4.8	-56.40	-797.7	-68.1	703.6	693.1	10.52	66.912	
3,135.0	3,118.9	3,136.2	3,135.9	7.9	4.8	-57.97	-796.1	-65.7	691.3	680.5	10.74	64.384	
3,230.0	3,211.9	3,225.0	3,224.6	8.2	4.8	-59.51	-794.5	-63.3	679.5	668.6	10.98	61.888	
3,325.0	3,304.8	3,313.3	3,312.9	8.4	4.8	-61.06	-793.9	-61.2	669.2	657.9	11.25	59.506	
3,420.0	3,397.7	3,406.3	3,405.8	8.6	4.9	-62.75	-793.1	-58.8	659.4	647.8	11.53	57.196	
3,515.0	3,490.6	3,499.0	3,498.5	8.9	4.9	-64.57	-792.1	-55.4	650.1	638.3	11.83	54.970	
3,610.0	3,583.5	3,584.9	3,584.3	9.1	4.9	-66.34	-791.1	-51.8	641.7	629.5	12.14	52.849	
3,705.0	3,676.5	3,668.0	3,667.3	9.4	5.0	-68.00	-792.0	-48.9	635.7	623.3	12.48	50.957	
3,800.0	3,769.4	3,760.5	3,759.8	9.7	5.0	-69.86	-793.4	-45.7	630.8	618.0	12.83	49.178	
3,895.0	3,862.3	3,845.4	3,844.6	9.9	5.1	-71.44	-795.6	-44.2	627.2	614.0	13.19	47.539	
3,990.0	3,955.2	3,928.2	3,927.3	10.2	5.1	-72.91	-799.3	-43.1	625.5	611.9	13.57	46.105	
4,085.0	4,048.2	4,020.2	4,019.2	10.5	5.1	-74.57	-804.1	-41.5	625.2	611.2	13.96	44.793	
4,122.6	4,084.9	4,067.9	4,066.9	10.6	5.2	-75.42	-806.4	-40.8	625.0	610.9	14.12	44.250	
4,180.0	4,141.1	4,143.8	4,142.7	10.8	5.2	-76.78	-807.7	-40.8	622.9	608.5	14.38	43.317	
4,275.0	4,234.0	4,238.6	4,237.5	11.1	5.3	-78.45	-808.7	-41.6	619.2	604.4	14.78	41.887	
4,370.0	4,326.9	4,334.1	4,333.0	11.4	5.3	-80.13	-809.6	-42.9	615.6	600.4	15.18	40.543	
4,465.0	4,419.9	4,431.1	4,430.0	11.7	5.3	-81.82	-810.2	-44.6	612.1	596.5	15.58	39.276	
4,560.0	4,512.8	4,532.4	4,531.2	12.0	5.4	-83.79	-808.9	-45.3	608.1	592.1	15.98	38.051	
4,655.0	4,605.7	4,629.8	4,628.6	12.3	5.4	-85.79	-806.2	-45.9	603.7	587.3	16.39	36.841	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #703H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12241-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,750.0	4,698.6	4,710.0	4,708.8	12.7	5.4	-87.54	-804.0	-45.4	600.7	583.9	16.80	35.759	
4,806.7	4,754.0	4,758.5	4,757.3	12.9	5.4	-88.64	-803.1	-44.2	600.3	583.3	17.05	35.206	CC, ES
4,845.0	4,791.6	4,790.5	4,789.3	13.0	5.4	-89.37	-802.7	-43.1	600.6	583.3	17.22	34.870	
4,940.0	4,884.5	4,875.8	4,874.5	13.3	5.5	-91.34	-802.2	-39.6	602.8	585.2	17.66	34.138	
5,035.0	4,977.4	4,967.2	4,965.8	13.6	5.5	-93.40	-802.2	-35.8	606.3	588.2	18.11	33.488	
5,130.0	5,070.3	5,058.1	5,056.7	14.0	5.6	-95.32	-803.2	-32.8	610.8	592.2	18.56	32.918	
5,225.0	5,163.2	5,143.5	5,142.0	14.3	5.6	-97.01	-805.1	-30.3	616.5	597.5	19.00	32.455	
5,320.0	5,256.2	5,225.8	5,224.1	14.6	5.7	-98.63	-807.8	-26.6	624.6	605.2	19.43	32.145	
5,415.0	5,349.1	5,348.5	5,346.7	15.0	5.8	-101.03	-810.5	-21.8	632.5	612.6	19.95	31.708	
5,510.0	5,442.0	5,442.6	5,440.8	15.3	5.8	-102.87	-810.4	-20.0	638.0	617.6	20.41	31.262	
5,605.0	5,534.9	5,535.9	5,534.1	15.6	5.9	-104.62	-810.4	-18.7	643.9	623.1	20.87	30.857	
5,700.0	5,627.9	5,627.8	5,625.9	16.0	5.9	-106.30	-810.6	-17.6	650.4	629.1	21.33	30.497	
5,795.0	5,720.8	5,721.0	5,719.1	16.3	6.0	-107.97	-810.8	-16.4	657.5	635.7	21.79	30.174	
5,890.0	5,813.7	5,815.1	5,813.3	16.7	6.1	-109.63	-810.9	-15.3	665.0	642.7	22.25	29.883	
5,985.0	5,906.6	5,904.7	5,902.8	17.0	6.1	-111.31	-809.6	-13.2	673.2	650.5	22.70	29.663	
6,080.0	5,999.6	5,996.9	5,994.9	17.3	6.2	-113.11	-807.2	-10.2	682.4	659.3	23.14	29.485	
6,175.0	6,092.5	6,081.0	6,078.9	17.7	6.2	-114.77	-804.6	-6.6	692.9	669.3	23.57	29.399	
6,270.0	6,185.4	6,172.0	6,169.8	18.0	6.3	-116.56	-801.5	-2.2	704.5	680.4	24.01	29.337	
6,365.0	6,278.3	6,263.7	6,261.3	18.4	6.4	-118.31	-798.3	2.3	716.8	692.3	24.46	29.307	SF
6,460.0	6,371.2	6,342.5	6,339.9	18.7	6.4	-119.74	-796.0	6.5	730.3	705.4	24.86	29.377	
6,555.0	6,464.2	6,429.5	6,426.7	19.1	6.5	-121.21	-794.8	12.1	745.8	720.6	25.29	29.493	
6,650.0	6,557.1	6,523.0	6,520.1	19.4	6.6	-122.70	-793.7	18.0	761.8	736.1	25.74	29.597	
6,745.0	6,650.0	6,603.2	6,600.1	19.8	6.6	-123.93	-792.9	23.4	778.7	752.6	26.14	29.789	
6,840.0	6,742.9	6,688.0	6,684.6	20.1	6.7	-125.17	-792.6	30.5	797.7	771.1	26.56	30.035	
6,935.0	6,835.9	6,777.0	6,773.3	20.5	6.8	-126.41	-792.4	38.1	817.2	790.2	26.99	30.279	
7,030.0	6,928.8	6,873.9	6,869.8	20.8	6.9	-127.70	-792.1	46.3	837.1	809.7	27.45	30.494	
7,125.0	7,021.7	6,963.3	6,958.9	21.2	6.9	-128.85	-791.6	53.7	857.1	829.2	27.88	30.737	
7,220.0	7,114.6	7,053.2	7,048.4	21.5	7.0	-129.96	-791.0	61.3	877.5	849.2	28.32	30.990	
7,315.0	7,207.6	7,144.4	7,139.4	21.9	7.1	-131.04	-790.4	68.9	898.3	869.5	28.75	31.240	
7,410.0	7,300.5	7,225.0	7,219.6	22.2	7.2	-131.92	-790.4	76.1	919.8	890.7	29.15	31.556	
7,505.0	7,393.4	7,312.6	7,306.8	22.6	7.3	-132.80	-791.3	84.6	942.5	912.9	29.57	31.872	
7,600.0	7,486.3	7,407.8	7,401.5	23.0	7.3	-133.70	-792.2	93.6	965.2	935.2	30.03	32.148	
7,695.0	7,579.3	7,502.7	7,496.0	23.3	7.4	-134.56	-793.1	102.3	987.8	957.4	30.48	32.411	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12139-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	8.9	8.9	3.0	4.2	-170.52	-791.9	-132.3	802.9				
95.0	95.0	122.5	122.5	3.0	4.2	-170.52	-790.2	-132.0	801.4	794.1	7.24	110.669	
190.0	190.0	242.2	242.1	3.0	4.2	-170.50	-785.8	-131.5	798.0	790.8	7.24	110.193	
285.0	285.0	310.5	310.3	3.0	4.3	-170.41	-782.5	-132.1	793.8	786.5	7.27	109.245	
325.6	325.6	331.5	331.3	3.0	4.3	-170.39	-782.2	-132.4	793.3	786.1	7.27	109.059	
380.0	380.0	365.1	364.9	3.0	4.3	-170.37	-782.7	-132.8	794.2	787.0	7.28	109.095	
475.0	475.0	466.1	465.8	3.0	4.3	-170.37	-786.1	-133.4	797.5	790.2	7.30	109.242	
570.0	570.0	585.6	585.3	3.1	4.3	-170.58	-786.7	-130.6	797.5	790.2	7.33	108.783	
665.0	665.0	692.5	692.1	3.1	4.3	-170.60	-785.0	-130.0	795.9	788.5	7.37	107.991	
760.0	760.0	782.9	782.5	3.1	4.3	-170.50	-782.5	-130.9	793.5	786.1	7.42	106.986	
855.0	855.0	863.0	862.7	3.2	4.3	-170.40	-781.7	-132.2	792.8	785.4	7.47	106.198	
898.2	898.2	905.8	905.4	3.2	4.3	-170.35	-781.6	-133.0	792.8	785.3	7.49	105.871	
950.0	950.0	951.5	951.1	3.2	4.3	-170.26	-781.6	-134.2	793.1	785.5	7.52	105.518	
1,045.0	1,045.0	1,041.9	1,041.4	3.3	4.3	-170.07	-782.0	-136.9	794.0	786.4	7.57	104.905	
1,140.0	1,140.0	1,127.8	1,127.3	3.3	4.3	-169.93	-783.2	-139.1	795.7	788.1	7.62	104.378	
1,235.0	1,235.0	1,204.2	1,203.6	3.4	4.3	-169.73	-785.4	-142.3	799.1	791.4	7.68	104.069	
1,330.0	1,330.0	1,292.8	1,291.8	3.4	4.4	-169.29	-789.2	-149.2	804.4	796.7	7.74	103.902	
1,425.0	1,425.0	1,396.1	1,394.9	3.5	4.4	-168.88	-793.2	-155.8	809.2	801.4	7.82	103.482	
1,520.0	1,520.0	1,493.0	1,491.6	3.6	4.4	-168.58	-796.6	-161.0	813.5	805.6	7.90	102.989	
1,615.0	1,615.0	1,588.5	1,586.9	3.6	4.4	-168.29	-799.9	-165.8	817.7	809.7	7.98	102.429	
1,710.0	1,710.0	1,690.3	1,688.5	3.7	4.5	-167.96	-803.0	-171.3	821.6	813.5	8.08	101.745	
1,805.0	1,805.0	1,784.5	1,782.5	3.8	4.5	-167.57	-805.1	-177.4	824.9	816.7	8.17	100.999	
1,900.0	1,900.0	1,878.3	1,876.1	3.9	4.5	-167.20	-807.1	-183.4	828.3	820.0	8.26	100.229	
1,995.0	1,995.0	1,961.3	1,958.9	3.9	4.6	-166.85	-809.4	-189.2	832.3	823.9	8.36	99.581	
2,090.0	2,090.0	2,049.1	2,046.3	4.0	4.6	-37.86	-813.1	-196.1	836.8	828.3	8.48	98.635	
2,185.0	2,184.9	2,144.0	2,140.8	4.4	4.7	-37.59	-817.1	-203.6	838.9	830.1	8.77	95.637	
2,280.0	2,279.6	2,240.1	2,236.5	5.0	4.7	-37.47	-821.2	-211.2	838.5	829.4	9.10	92.167	
2,375.0	2,373.9	2,344.6	2,340.6	5.5	4.8	-37.53	-825.3	-219.6	835.4	825.9	9.44	88.529	
2,470.0	2,467.9	2,443.9	2,439.6	6.1	4.8	-37.75	-827.7	-227.3	828.3	818.6	9.77	84.755	
2,565.0	2,561.3	2,539.3	2,534.6	6.6	4.9	-38.14	-830.0	-234.7	818.8	808.7	10.11	81.013	
2,660.0	2,654.3	2,634.1	2,629.2	7.0	4.9	-38.59	-832.4	-241.9	807.3	796.9	10.36	77.915	
2,755.0	2,747.2	2,726.0	2,720.8	7.2	5.0	-39.01	-834.7	-248.8	795.7	785.1	10.55	75.413	
2,850.0	2,840.2	2,821.3	2,815.7	7.3	5.1	-39.48	-837.1	-255.7	784.1	773.3	10.74	73.002	
2,945.0	2,933.1	2,918.9	2,913.1	7.5	5.1	-39.99	-839.5	-262.4	772.4	761.4	10.95	70.550	
3,040.0	3,026.0	3,007.7	3,001.6	7.7	5.2	-40.44	-841.7	-269.0	760.8	749.7	11.17	68.116	
3,135.0	3,118.9	3,101.7	3,095.3	7.9	5.3	-40.87	-844.3	-276.7	749.8	738.4	11.41	65.696	
3,230.0	3,211.9	3,195.1	3,188.3	8.2	5.3	-41.33	-846.7	-284.2	738.6	727.0	11.67	63.296	
3,325.0	3,304.8	3,282.5	3,275.4	8.4	5.4	-41.78	-849.4	-291.3	728.0	716.1	11.94	60.987	
3,420.0	3,397.7	3,376.6	3,369.1	8.6	5.5	-42.21	-852.9	-299.6	718.1	705.8	12.22	58.744	
3,515.0	3,490.6	3,472.6	3,464.6	8.9	5.5	-42.68	-856.4	-308.0	708.2	695.6	12.52	56.555	
3,610.0	3,583.5	3,570.9	3,562.6	9.1	5.6	-43.25	-859.5	-315.7	697.6	684.8	12.83	54.392	
3,705.0	3,676.5	3,669.0	3,660.5	9.4	5.7	-43.89	-862.1	-322.4	686.6	673.5	13.14	52.273	
3,800.0	3,769.4	3,758.5	3,749.7	9.7	5.8	-44.51	-864.5	-328.5	675.7	662.2	13.45	50.235	
3,895.0	3,862.3	3,848.7	3,839.5	9.9	5.9	-45.11	-867.8	-335.3	665.8	652.1	13.78	48.328	
3,990.0	3,955.2	3,942.7	3,933.2	10.2	6.0	-45.77	-871.4	-342.1	656.1	642.0	14.11	46.495	
4,085.0	4,048.2	4,035.0	4,025.2	10.5	6.0	-46.43	-874.8	-348.8	646.5	632.1	14.45	44.734	
4,180.0	4,141.1	4,122.5	4,112.3	10.8	6.1	-46.97	-878.9	-356.5	637.9	623.1	14.80	43.091	
4,275.0	4,234.0	4,216.0	4,205.4	11.1	6.2	-47.54	-883.4	-365.0	629.7	614.5	15.17	41.522	
4,370.0	4,326.9	4,308.8	4,297.6	11.4	6.3	-48.11	-888.2	-373.4	621.7	606.2	15.53	40.031	
4,465.0	4,419.9	4,396.4	4,384.7	11.7	6.4	-48.70	-893.3	-381.1	614.5	598.6	15.90	38.647	
4,560.0	4,512.8	4,486.8	4,474.6	12.0	6.4	-49.37	-899.3	-388.5	608.1	591.9	16.28	37.365	
4,655.0	4,605.7	4,580.3	4,567.6	12.3	6.5	-50.14	-906.1	-395.5	602.4	585.7	16.65	36.171	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12139-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
4,750.0	4,698.6	4,685.9	4,672.8	12.7	6.6	-51.18	-912.7	-401.8	595.7	578.7	17.03	34.977	
4,845.0	4,791.6	4,790.7	4,777.4	13.0	6.7	-52.45	-917.8	-405.8	588.0	570.6	17.40	33.790	
4,940.0	4,884.5	4,887.5	4,874.1	13.3	6.8	-53.73	-921.1	-408.9	579.2	561.4	17.77	32.603	
5,035.0	4,977.4	4,986.2	4,972.7	13.6	6.9	-55.11	-924.2	-411.7	570.4	552.2	18.13	31.459	
5,130.0	5,070.3	5,089.8	5,076.2	14.0	7.0	-56.52	-925.2	-415.7	559.8	541.3	18.48	30.284	
5,225.0	5,163.2	5,179.7	5,166.1	14.3	7.1	-57.88	-925.8	-418.4	549.3	530.4	18.85	29.141	
5,320.0	5,256.2	5,267.5	5,253.8	14.6	7.2	-59.39	-927.2	-419.5	540.2	520.9	19.23	28.091	
5,415.0	5,349.1	5,363.6	5,349.9	15.0	7.3	-61.17	-928.8	-420.1	531.7	512.1	19.61	27.113	
5,510.0	5,442.0	5,456.0	5,442.4	15.3	7.3	-62.91	-930.1	-420.9	523.5	503.5	20.00	26.176	
5,605.0	5,534.9	5,546.6	5,532.9	15.6	7.4	-64.66	-931.6	-421.7	516.0	495.7	20.39	25.309	
5,700.0	5,627.9	5,639.7	5,626.0	16.0	7.5	-66.50	-933.6	-422.5	509.5	488.7	20.79	24.508	
5,795.0	5,720.8	5,746.6	5,732.8	16.3	7.6	-68.65	-934.9	-423.7	502.7	481.5	21.18	23.739	
5,890.0	5,813.7	5,841.8	5,828.1	16.7	7.7	-70.57	-934.3	-426.0	494.4	472.8	21.57	22.921	
5,985.0	5,906.6	5,935.3	5,921.5	17.0	7.8	-72.50	-933.6	-428.4	486.5	464.5	21.98	22.136	
6,080.0	5,999.6	6,029.1	6,015.3	17.3	7.9	-74.53	-932.8	-430.6	479.2	456.8	22.40	21.394	
6,175.0	6,092.5	6,120.5	6,106.7	17.7	7.9	-76.54	-932.1	-432.8	472.5	449.7	22.83	20.695	
6,270.0	6,185.4	6,213.1	6,199.2	18.0	8.0	-78.61	-931.8	-435.0	466.8	443.6	23.28	20.051	
6,365.0	6,278.3	6,305.6	6,291.8	18.4	8.1	-80.75	-931.4	-437.2	461.9	438.1	23.75	19.448	
6,460.0	6,371.2	6,399.7	6,385.7	18.7	8.2	-82.96	-931.0	-439.3	457.5	433.3	24.23	18.884	
6,555.0	6,464.2	6,493.4	6,479.5	19.1	8.3	-85.18	-930.6	-441.7	453.8	429.0	24.73	18.352	
6,650.0	6,557.1	6,586.7	6,572.7	19.4	8.4	-87.46	-929.9	-443.8	450.6	425.4	25.24	17.852	
6,745.0	6,650.0	6,680.4	6,666.4	19.8	8.5	-89.75	-929.4	-446.2	448.2	422.5	25.77	17.394	
6,840.0	6,742.9	6,772.2	6,758.1	20.1	8.6	-92.03	-928.9	-448.4	446.7	420.3	26.31	16.976	
6,935.0	6,835.9	6,866.4	6,852.3	20.5	8.7	-94.38	-928.3	-450.6	445.9	419.0	26.87	16.594	
6,989.0	6,888.7	6,919.2	6,905.1	20.7	8.7	-95.69	-928.0	-451.8	445.7	418.5	27.19	16.393	CC
7,030.0	6,928.8	6,959.3	6,945.2	20.8	8.8	-96.69	-927.8	-452.8	445.8	418.4	27.43	16.251	ES
7,125.0	7,021.7	7,051.9	7,037.8	21.2	8.9	-98.99	-927.4	-455.0	446.6	418.5	28.01	15.944	
7,220.0	7,114.6	7,145.9	7,131.8	21.5	9.0	-101.33	-926.8	-457.2	448.0	419.4	28.60	15.668	
7,315.0	7,207.6	7,239.4	7,225.2	21.9	9.1	-103.63	-926.2	-459.4	450.2	421.0	29.19	15.426	
7,410.0	7,300.5	7,324.1	7,309.9	22.2	9.1	-105.78	-925.7	-460.3	454.2	424.4	29.76	15.260	
7,505.0	7,393.4	7,417.9	7,403.8	22.6	9.2	-108.16	-925.2	-460.6	459.4	429.1	30.36	15.133	
7,600.0	7,486.3	7,510.4	7,496.2	23.0	9.3	-110.45	-924.6	-461.0	465.5	434.5	30.95	15.040	
7,695.0	7,579.3	7,604.3	7,590.1	23.3	9.3	-112.71	-924.0	-461.4	472.3	440.7	31.54	14.976	
7,790.0	7,672.2	7,696.2	7,682.0	23.7	9.4	-114.85	-923.5	-461.7	479.8	447.7	32.11	14.945	
7,885.0	7,765.1	7,789.1	7,774.9	24.0	9.4	-116.96	-923.0	-462.0	488.0	455.4	32.67	14.939	
7,980.0	7,858.0	7,882.6	7,868.4	24.4	9.5	-119.00	-922.5	-462.5	496.9	463.7	33.23	14.952	
8,075.0	7,950.9	7,975.9	7,961.7	24.8	9.6	-120.98	-921.9	-462.9	506.3	472.5	33.78	14.989	
8,170.0	8,043.9	8,069.5	8,055.3	25.1	9.7	-122.87	-921.4	-463.4	516.3	481.9	34.32	15.042	
8,265.0	8,136.8	8,162.6	8,148.4	25.5	9.8	-124.67	-921.0	-464.1	526.6	491.7	34.86	15.107	
8,360.0	8,229.7	8,258.2	8,244.0	25.8	9.9	-126.44	-920.6	-464.9	537.4	502.0	35.40	15.181	
8,455.0	8,322.6	8,350.0	8,335.8	26.2	10.0	-128.01	-920.7	-466.2	548.2	512.3	35.91	15.266	
8,550.0	8,415.6	8,436.7	8,422.5	26.6	10.1	-129.42	-921.1	-466.8	560.2	523.8	36.36	15.405	
8,645.0	8,508.5	8,528.7	8,514.5	26.9	10.1	-130.84	-921.9	-466.8	573.2	536.4	36.79	15.582	
8,740.0	8,601.4	8,621.1	8,606.9	27.3	10.1	-132.18	-922.9	-466.8	586.6	549.4	37.21	15.766	
8,835.0	8,694.4	8,713.9	8,699.7	27.6	10.2	-133.51	-923.9	-466.6	600.5	562.9	37.62	15.961	
8,930.0	8,787.8	8,806.0	8,791.7	28.0	10.2	-134.75	-924.9	-466.4	613.0	574.9	38.04	16.113	
9,025.0	8,881.7	8,897.8	8,883.6	28.4	10.2	-135.70	-926.1	-465.8	623.8	585.3	38.46	16.218	
9,120.0	8,976.1	8,992.0	8,977.7	28.8	10.3	-136.42	-927.3	-465.0	632.7	593.8	38.87	16.276	
9,215.0	9,070.7	9,086.2	9,071.9	29.2	10.3	-136.89	-928.5	-464.2	639.3	600.0	39.27	16.280	
9,310.0	9,165.6	9,179.8	9,165.5	29.6	10.3	-137.14	-929.7	-463.5	643.7	604.0	39.64	16.238	
9,405.0	9,260.6	9,275.1	9,260.8	29.9	10.3	-137.17	-930.9	-462.5	646.0	606.0	39.93	16.176	
9,500.0	9,355.6	9,369.7	9,355.4	30.2	10.3	94.33	-932.0	-461.5	647.0	606.8	40.19	16.096	

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 BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: GREEN EYESHADE FED PROJECT - GREEN EYESHADE FEDERAL COM #704H - OWB - AWP

Offset Site Error: 3.0 usft

Survey Program: 100-Standard Keeper 104, 12139-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,595.0	9,450.6	9,463.0	9,448.7	30.4	10.3	94.40	-932.8	-460.5	648.1	607.7	40.45	16.023	
9,690.0	9,545.6	9,557.9	9,543.6	30.7	10.3	94.44	-933.4	-459.2	649.5	608.8	40.70	15.956	
9,785.0	9,640.6	9,654.8	9,640.4	31.0	10.3	94.46	-933.7	-457.8	650.8	609.9	40.96	15.888	
9,880.0	9,735.6	9,751.3	9,736.9	31.3	10.3	94.45	-933.7	-456.9	651.7	610.5	41.23	15.808	
9,975.0	9,830.6	9,847.5	9,833.2	31.5	10.3	94.47	-933.9	-456.2	652.4	610.9	41.50	15.723	
10,070.0	9,925.6	9,944.3	9,929.9	31.8	10.3	94.51	-934.4	-455.8	652.8	611.1	41.78	15.624	
10,165.0	10,020.6	10,041.3	10,026.9	32.1	10.3	94.57	-935.2	-455.6	653.0	610.9	42.10	15.513	
10,260.0	10,115.6	10,136.6	10,122.2	32.4	10.4	94.64	-936.0	-455.5	653.2	610.8	42.41	15.402	
10,355.0	10,210.6	10,232.5	10,218.2	32.7	10.5	94.72	-936.9	-455.6	653.2	610.5	42.74	15.284	
10,450.0	10,305.6	10,329.4	10,315.1	32.9	10.6	94.80	-937.8	-455.9	653.0	609.9	43.09	15.155	
10,545.0	10,400.6	10,426.9	10,412.6	33.2	10.7	94.89	-938.7	-456.6	652.3	608.9	43.46	15.009	
10,640.0	10,495.6	10,523.1	10,508.7	33.5	10.8	94.98	-939.7	-457.5	651.6	607.7	43.83	14.865	
10,735.0	10,590.6	10,615.4	10,601.1	33.8	10.9	95.08	-940.7	-458.5	650.7	606.5	44.18	14.728	
10,768.6	10,624.2	10,645.9	10,631.5	33.9	10.9	95.11	-941.1	-458.6	650.6	606.3	44.29	14.690	
10,830.0	10,685.6	10,704.6	10,690.2	34.1	10.9	95.15	-941.6	-458.4	650.8	606.3	44.48	14.631	
10,925.0	10,780.6	10,799.6	10,785.2	34.4	11.0	95.20	-942.1	-458.1	651.1	606.4	44.78	14.539	
11,020.0	10,875.6	10,893.0	10,878.6	34.7	11.0	95.26	-942.9	-457.7	651.7	606.6	45.08	14.456	
11,115.0	10,970.6	10,986.0	10,971.6	35.0	11.0	95.28	-943.2	-457.0	652.4	607.0	45.36	14.383	
11,210.0	11,065.6	11,080.8	11,066.4	35.2	11.0	95.24	-942.8	-456.2	653.2	607.6	45.65	14.308	
11,305.0	11,160.6	11,179.1	11,164.6	35.5	11.0	95.13	-941.6	-455.5	653.8	607.8	45.98	14.217	
11,400.0	11,255.6	11,277.0	11,262.6	35.8	11.0	94.97	-939.8	-455.0	654.1	607.7	46.33	14.117	
11,495.0	11,350.6	11,379.2	11,364.7	36.1	11.1	94.86	-938.4	-455.5	653.5	606.8	46.73	13.984	
11,590.0	11,445.6	11,474.0	11,459.6	36.4	11.1	94.84	-938.2	-456.4	652.5	605.4	47.13	13.846	
11,678.9	11,534.5	11,556.2	11,541.7	36.7	11.2	94.92	-939.1	-457.0	652.0	604.5	47.45	13.741	
11,685.0	11,540.6	11,561.9	11,547.5	36.7	11.2	94.93	-939.2	-457.0	652.0	604.5	47.47	13.735	
11,780.0	11,635.6	11,655.8	11,641.3	37.0	11.3	95.12	-941.2	-457.1	652.1	604.3	47.80	13.642	
11,875.0	11,730.6	11,752.3	11,737.8	37.3	11.4	95.33	-943.7	-457.8	651.6	603.5	48.15	13.532	
11,970.0	11,825.6	11,853.1	11,838.6	37.6	11.5	95.59	-946.5	-458.6	651.1	602.6	48.52	13.418	
12,065.0	11,920.6	11,953.1	11,938.5	37.9	11.6	95.83	-949.1	-460.1	649.9	601.0	48.91	13.289	
12,160.0	12,015.6	12,051.8	12,037.1	38.2	11.7	96.02	-951.0	-462.3	648.1	598.8	49.30	13.145	
12,255.1	12,110.7	12,143.7	12,129.0	38.5	11.8	96.18	-952.7	-464.5	645.9	596.2	49.67	13.005	
12,350.0	12,205.0	12,239.8	12,225.1	38.5	11.9	-84.32	-954.8	-466.5	643.1	593.3	49.79	12.918	
12,445.0	12,295.6	12,332.6	12,317.8	38.6	11.9	-87.06	-957.1	-468.8	638.8	588.8	49.93	12.795	
12,540.0	12,379.0	12,420.3	12,405.4	38.6	11.9	-91.09	-958.9	-471.1	635.2	585.0	50.14	12.667	
12,582.3	12,412.9	12,456.5	12,441.7	38.6	11.9	-93.08	-959.4	-472.3	634.6	584.4	50.26	12.627	
12,635.0	12,451.7	12,502.3	12,487.2	38.7	11.9	-95.92	-956.7	-474.3	635.6	585.2	50.44	12.602 SF	
12,730.0	12,511.1	12,529.0	12,513.1	38.8	11.9	-96.76	-950.5	-476.1	646.4	595.9	50.48	12.806	
12,825.0	12,554.6	12,535.6	12,519.4	38.9	11.9	-94.15	-948.4	-476.5	672.0	621.5	50.53	13.300	
12,920.0	12,580.6	12,534.0	12,517.8	39.0	11.9	-88.93	-949.0	-476.4	710.6	660.0	50.57	14.053	
13,015.0	12,588.0	12,515.0	12,499.6	39.1	11.9	-80.63	-954.1	-475.2	759.1	708.5	50.57	15.012	
13,110.0	12,585.7	12,515.0	12,499.6	39.3	11.9	-80.50	-954.1	-475.2	814.2	763.7	50.46	16.135	
13,205.0	12,583.4	12,515.0	12,499.6	39.5	11.9	-80.50	-954.1	-475.2	876.2	825.8	50.34	17.406	
13,300.0	12,581.2	12,515.0	12,499.6	39.6	11.9	-80.50	-954.1	-475.2	943.7	893.4	50.21	18.795	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: PITCHBLENDE 24-25 FEDERAL PROJECT - PITCHBLENDE 24-25 FED 606H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-MWD+IFR1 **Rule Assigned:** **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,760.0	12,425.0	12,208.9	12,187.2	70.8	44.1	-73.96	-8,798.3	-371.7	985.5	884.1	101.47	9.713	
19,855.0	12,422.7	12,225.0	12,202.5	71.4	44.2	-75.19	-8,803.2	-371.7	920.9	817.0	103.82	8.869	
19,950.0	12,420.4	12,232.7	12,209.8	72.0	44.2	-75.78	-8,805.8	-371.7	861.4	755.1	106.32	8.101	
20,045.0	12,418.1	12,250.0	12,226.0	72.6	44.2	-77.09	-8,811.9	-371.6	808.2	699.2	109.04	7.412	
20,140.0	12,415.8	12,266.8	12,241.5	73.2	44.3	-78.37	-8,818.4	-371.5	762.5	650.7	111.78	6.821	
20,235.0	12,413.5	12,289.9	12,262.3	73.9	44.4	-80.10	-8,828.2	-371.5	725.3	610.9	114.42	6.339	
20,298.1	12,412.0	12,308.3	12,278.6	74.3	44.4	-81.48	-8,836.8	-371.4	705.8	589.8	116.01	6.084	CC, ES, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Offset Design: PITCHBLENDE 24-25 FEDERAL PROJECT - PITCHBLENDE 24-25 FED 706H - OWB - PWP1

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 12420-MWD+IFR1+FDIR

Rule Assigned:

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,475.0	12,431.9	12,450.0	12,361.5	69.0	15.0	-0.17	-8,782.1	-1,043.1	954.7	899.3	55.45	17.218	
19,570.0	12,429.6	12,450.0	12,361.5	69.6	15.0	-0.17	-8,782.1	-1,043.1	859.7	804.2	55.52	15.486	
19,665.0	12,427.3	12,450.0	12,361.5	70.2	15.0	-0.17	-8,782.1	-1,043.1	764.7	709.2	55.59	13.758	
19,760.0	12,425.0	12,450.0	12,361.5	70.8	15.0	-0.17	-8,782.1	-1,043.1	669.8	614.1	55.65	12.035	
19,855.0	12,422.7	12,450.0	12,361.5	71.4	15.0	-0.17	-8,782.1	-1,043.1	574.8	519.1	55.72	10.317	
19,950.0	12,420.4	12,450.0	12,361.5	72.0	15.0	-0.17	-8,782.1	-1,043.1	479.9	424.1	55.78	8.603	
20,045.0	12,418.1	12,450.0	12,361.5	72.6	15.0	-0.17	-8,782.1	-1,043.1	385.0	329.1	55.84	6.894	
20,140.0	12,415.8	12,450.0	12,361.5	73.2	15.0	-0.17	-8,782.1	-1,043.1	290.1	234.2	55.90	5.190	
20,235.0	12,413.5	12,457.5	12,369.0	73.9	15.0	-0.30	-8,782.7	-1,043.1	195.2	139.2	55.99	3.486	
20,298.1	12,412.0	12,460.2	12,371.7	74.3	15.0	-0.40	-8,782.9	-1,043.1	132.2	76.1	56.04	2.358	CC, ES, SF

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

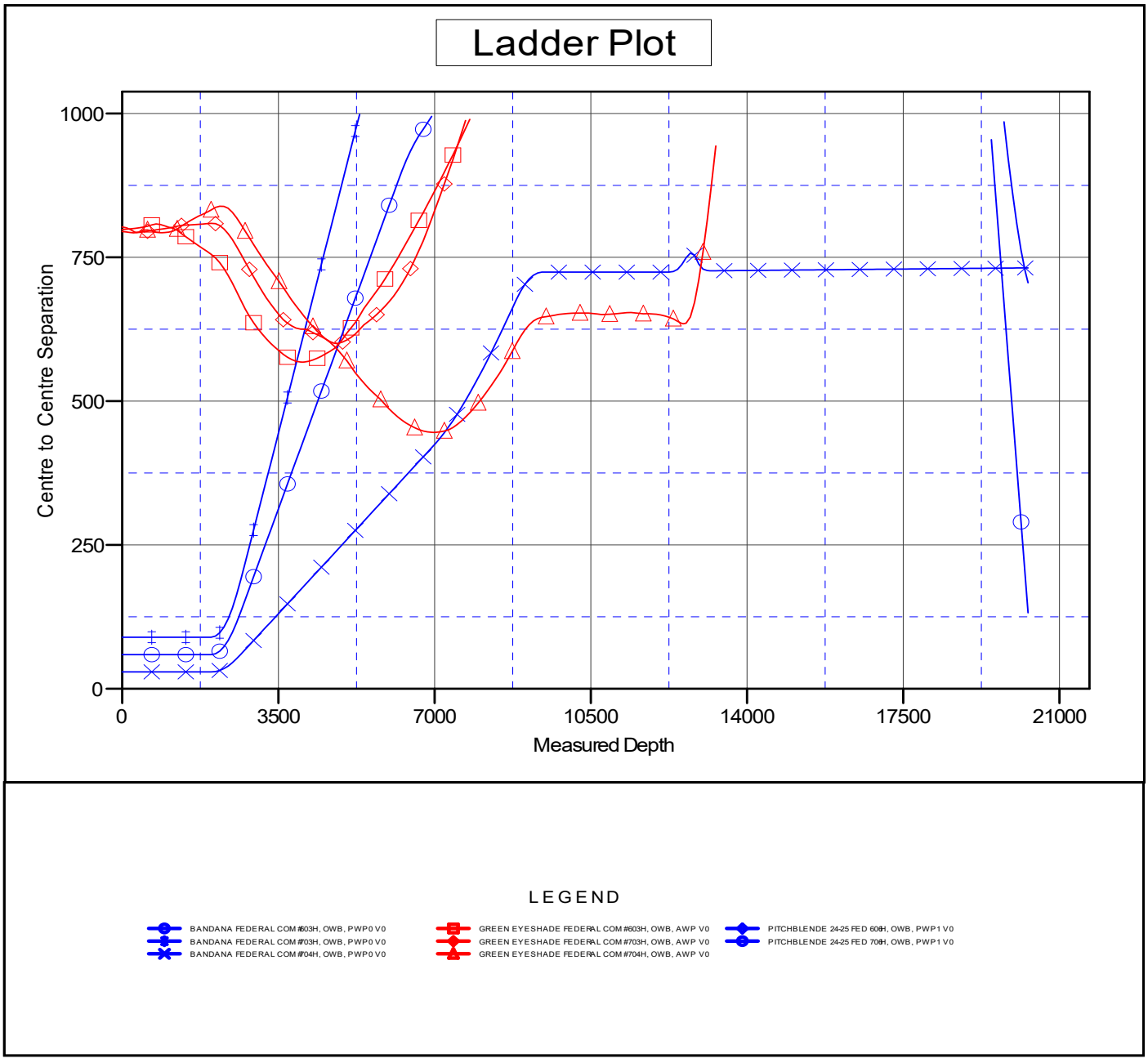
ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to *KB=30' @ 3424.6usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: BANDANA FEDERAL COM #604H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.48°



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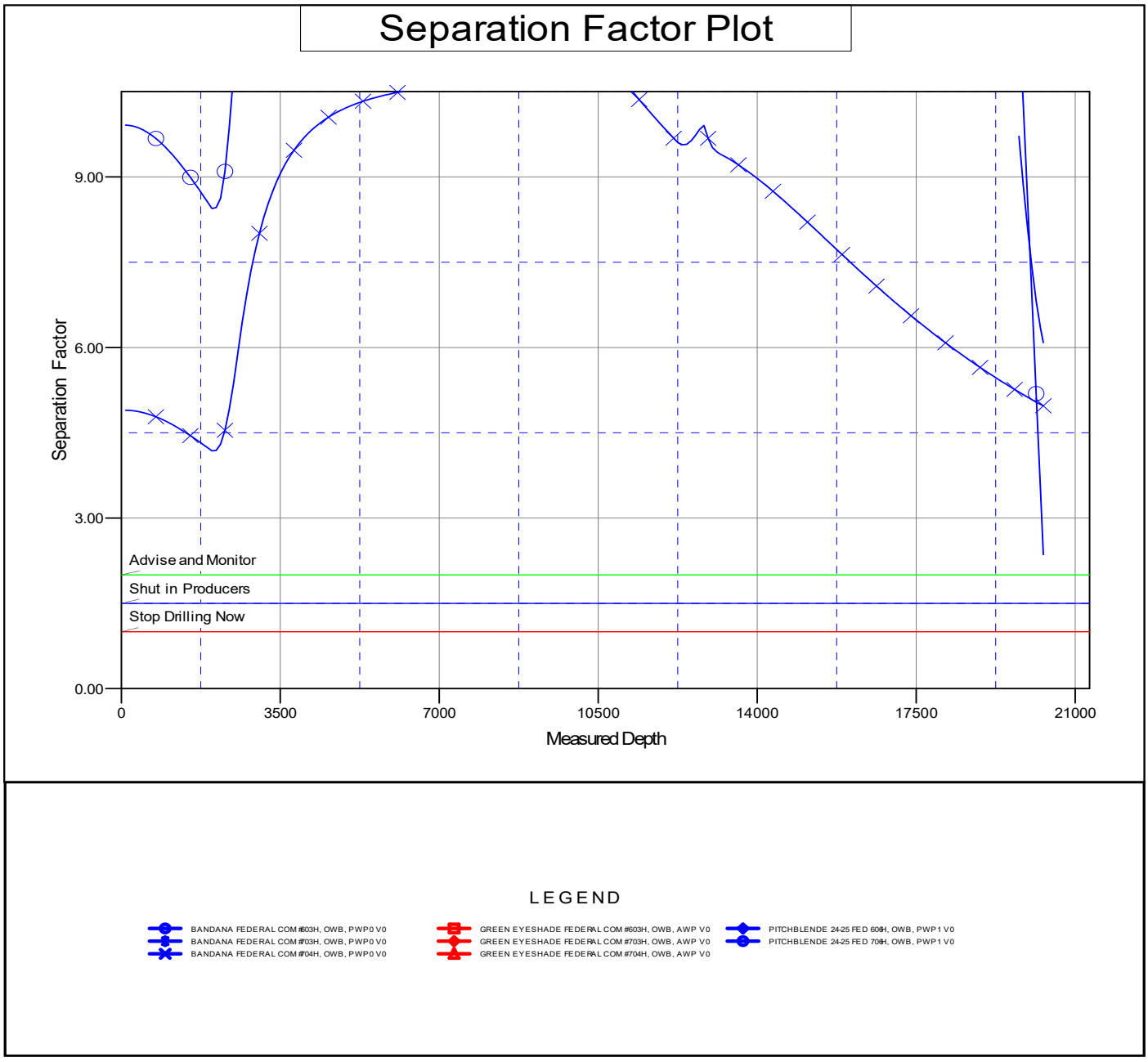
Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Reference Site:	BANDANA FEDERAL PROJECT	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	EDT 15 Central Prod
Reference Design:	PWP0	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to *KB=30' @ 3424.6usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: BANDANA FEDERAL COM #604H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.48°



DELAWARE BASIN EAST

BULLDOG PROSPECT (NM-E)
BANDANA FEDERAL PROJECT
BANDANA FEDERAL COM #604H

OWB

Plan: PWP0

Standard Planning Report

07 July, 2022

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	OWB		
Design:	PWP0		

Project BULLDOG 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 BANDANA FEDERAL PROJECT

Site Position:		**Northing:**	420,262.07 usft	**Latitude:**	32° 9' 7.497 N
From:	Map	**Easting:**	784,314.91 usft	**Longitude:**	103° 24' 52.813 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.49 °

Well BANDANA FEDERAL COM #604H

Well Position	**+N/-S**	-1,889.8 usft	**Northing:**	418,372.30 usft	**Latitude:**	32° 8' 49.118 N
	+E/-W	-3,820.0 usft	**Easting:**	780,494.90 usft	**Longitude:**	103° 25' 37.428 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**		**Ground Level:**	3,394.6 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2022	1/1/2023	6.28	59.74	47,469.40688176

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	186.88

Plan Survey Tool Program **Date** 7/7/2022

	Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks
1	0.0	2,000.0	PWP0 (OWB)	Standard Keeper 104 Standard Wireline Keeper ver 1	
2	2,000.0	12,255.1	PWP0 (OWB)	MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	
3	12,255.1	20,298.1	PWP0 (OWB)	MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St	

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Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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	
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,600.1	12.00	231.41	2,595.7	-39.1	-48.9	2.00	2.00	0.00	231.41	
8,806.3	12.00	231.41	8,666.3	-844.0	-1,057.7	0.00	0.00	0.00	0.00	
9,406.4	0.00	0.00	9,262.0	-883.1	-1,106.6	2.00	-2.00	0.00	180.00	
12,255.1	0.00	0.00	12,110.7	-883.1	-1,106.6	0.00	0.00	0.00	0.00	
13,016.6	91.39	179.54	12,588.0	-1,372.1	-1,102.7	12.00	12.00	23.58	179.54	
20,248.1	91.39	179.54	12,413.2	-8,601.2	-1,044.6	0.00	0.00	0.00	0.00	
20,298.1	91.39	179.54	12,412.0	-8,651.2	-1,044.2	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,100.0	2.00	231.41	2,100.0	-1.1	-1.4	1.2	2.00	2.00	0.00
2,200.0	4.00	231.41	2,199.8	-4.4	-5.5	5.0	2.00	2.00	0.00
2,300.0	6.00	231.41	2,299.5	-9.8	-12.3	11.2	2.00	2.00	0.00
2,400.0	8.00	231.41	2,398.7	-17.4	-21.8	19.9	2.00	2.00	0.00
2,500.0	10.00	231.41	2,497.5	-27.1	-34.0	31.0	2.00	2.00	0.00
2,600.1	12.00	231.41	2,595.7	-39.1	-48.9	44.6	2.00	2.00	0.00
Start 6206.2 hold at 2600.1 MD									
2,700.0	12.00	231.41	2,693.4	-52.0	-65.2	59.5	0.00	0.00	0.00
2,800.0	12.00	231.41	2,791.3	-65.0	-81.4	74.3	0.00	0.00	0.00
2,900.0	12.00	231.41	2,889.1	-78.0	-97.7	89.1	0.00	0.00	0.00
3,000.0	12.00	231.41	2,986.9	-90.9	-113.9	103.9	0.00	0.00	0.00
3,100.0	12.00	231.41	3,084.7	-103.9	-130.2	118.8	0.00	0.00	0.00
3,200.0	12.00	231.41	3,182.5	-116.9	-146.5	133.6	0.00	0.00	0.00
3,300.0	12.00	231.41	3,280.3	-129.8	-162.7	148.4	0.00	0.00	0.00
3,400.0	12.00	231.41	3,378.1	-142.8	-179.0	163.2	0.00	0.00	0.00
3,500.0	12.00	231.41	3,476.0	-155.8	-195.2	178.1	0.00	0.00	0.00
3,600.0	12.00	231.41	3,573.8	-168.8	-211.5	192.9	0.00	0.00	0.00
3,700.0	12.00	231.41	3,671.6	-181.7	-227.7	207.7	0.00	0.00	0.00
3,800.0	12.00	231.41	3,769.4	-194.7	-244.0	222.5	0.00	0.00	0.00
3,900.0	12.00	231.41	3,867.2	-207.7	-260.2	237.4	0.00	0.00	0.00
4,000.0	12.00	231.41	3,965.0	-220.6	-276.5	252.2	0.00	0.00	0.00
4,100.0	12.00	231.41	4,062.8	-233.6	-292.7	267.0	0.00	0.00	0.00
4,200.0	12.00	231.41	4,160.6	-246.6	-309.0	281.8	0.00	0.00	0.00
4,300.0	12.00	231.41	4,258.5	-259.5	-325.2	296.6	0.00	0.00	0.00
4,400.0	12.00	231.41	4,356.3	-272.5	-341.5	311.5	0.00	0.00	0.00
4,500.0	12.00	231.41	4,454.1	-285.5	-357.7	326.3	0.00	0.00	0.00
4,600.0	12.00	231.41	4,551.9	-298.5	-374.0	341.1	0.00	0.00	0.00
4,700.0	12.00	231.41	4,649.7	-311.4	-390.2	355.9	0.00	0.00	0.00
4,800.0	12.00	231.41	4,747.5	-324.4	-406.5	370.8	0.00	0.00	0.00
4,900.0	12.00	231.41	4,845.3	-337.4	-422.8	385.6	0.00	0.00	0.00
5,000.0	12.00	231.41	4,943.2	-350.3	-439.0	400.4	0.00	0.00	0.00
5,100.0	12.00	231.41	5,041.0	-363.3	-455.3	415.2	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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	12.00	231.41	5,138.8	-376.3	-471.5	430.1	0.00	0.00	0.00
5,300.0	12.00	231.41	5,236.6	-389.3	-487.8	444.9	0.00	0.00	0.00
5,400.0	12.00	231.41	5,334.4	-402.2	-504.0	459.7	0.00	0.00	0.00
5,500.0	12.00	231.41	5,432.2	-415.2	-520.3	474.5	0.00	0.00	0.00
5,600.0	12.00	231.41	5,530.0	-428.2	-536.5	489.4	0.00	0.00	0.00
5,700.0	12.00	231.41	5,627.9	-441.1	-552.8	504.2	0.00	0.00	0.00
5,800.0	12.00	231.41	5,725.7	-454.1	-569.0	519.0	0.00	0.00	0.00
5,900.0	12.00	231.41	5,823.5	-467.1	-585.3	533.8	0.00	0.00	0.00
6,000.0	12.00	231.41	5,921.3	-480.0	-601.5	548.7	0.00	0.00	0.00
6,100.0	12.00	231.41	6,019.1	-493.0	-617.8	563.5	0.00	0.00	0.00
6,200.0	12.00	231.41	6,116.9	-506.0	-634.0	578.3	0.00	0.00	0.00
6,300.0	12.00	231.41	6,214.7	-519.0	-650.3	593.1	0.00	0.00	0.00
6,400.0	12.00	231.41	6,312.6	-531.9	-666.6	608.0	0.00	0.00	0.00
6,500.0	12.00	231.41	6,410.4	-544.9	-682.8	622.8	0.00	0.00	0.00
6,600.0	12.00	231.41	6,508.2	-557.9	-699.1	637.6	0.00	0.00	0.00
6,700.0	12.00	231.41	6,606.0	-570.8	-715.3	652.4	0.00	0.00	0.00
6,800.0	12.00	231.41	6,703.8	-583.8	-731.6	667.3	0.00	0.00	0.00
6,900.0	12.00	231.41	6,801.6	-596.8	-747.8	682.1	0.00	0.00	0.00
7,000.0	12.00	231.41	6,899.4	-609.8	-764.1	696.9	0.00	0.00	0.00
7,100.0	12.00	231.41	6,997.3	-622.7	-780.3	711.7	0.00	0.00	0.00
7,200.0	12.00	231.41	7,095.1	-635.7	-796.6	726.6	0.00	0.00	0.00
7,300.0	12.00	231.41	7,192.9	-648.7	-812.8	741.4	0.00	0.00	0.00
7,400.0	12.00	231.41	7,290.7	-661.6	-829.1	756.2	0.00	0.00	0.00
7,500.0	12.00	231.41	7,388.5	-674.6	-845.3	771.0	0.00	0.00	0.00
7,600.0	12.00	231.41	7,486.3	-687.6	-861.6	785.9	0.00	0.00	0.00
7,700.0	12.00	231.41	7,584.1	-700.5	-877.8	800.7	0.00	0.00	0.00
7,800.0	12.00	231.41	7,682.0	-713.5	-894.1	815.5	0.00	0.00	0.00
7,900.0	12.00	231.41	7,779.8	-726.5	-910.3	830.3	0.00	0.00	0.00
8,000.0	12.00	231.41	7,877.6	-739.5	-926.6	845.2	0.00	0.00	0.00
8,100.0	12.00	231.41	7,975.4	-752.4	-942.9	860.0	0.00	0.00	0.00
8,200.0	12.00	231.41	8,073.2	-765.4	-959.1	874.8	0.00	0.00	0.00
8,300.0	12.00	231.41	8,171.0	-778.4	-975.4	889.6	0.00	0.00	0.00
8,400.0	12.00	231.41	8,268.8	-791.3	-991.6	904.5	0.00	0.00	0.00
8,500.0	12.00	231.41	8,366.7	-804.3	-1,007.9	919.3	0.00	0.00	0.00
8,600.0	12.00	231.41	8,464.5	-817.3	-1,024.1	934.1	0.00	0.00	0.00
8,700.0	12.00	231.41	8,562.3	-830.2	-1,040.4	948.9	0.00	0.00	0.00
8,806.3	12.00	231.41	8,666.3	-844.0	-1,057.7	964.7	0.00	0.00	0.00
Start Drop -2.00									
8,900.0	10.13	231.41	8,758.2	-855.3	-1,071.7	977.5	2.00	-2.00	0.00
9,000.0	8.13	231.41	8,856.9	-865.1	-1,084.1	988.8	2.00	-2.00	0.00
9,100.0	6.13	231.41	8,956.2	-872.9	-1,093.8	997.7	2.00	-2.00	0.00
9,200.0	4.13	231.41	9,055.8	-878.5	-1,100.8	1,004.0	2.00	-2.00	0.00
9,300.0	2.13	231.41	9,155.6	-881.9	-1,105.1	1,007.9	2.00	-2.00	0.00
9,406.4	0.00	0.00	9,262.0	-883.1	-1,106.6	1,009.3	2.00	-2.00	0.00
Start 2848.7 hold at 9406.4 MD									
9,500.0	0.00	0.00	9,355.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
9,600.0	0.00	0.00	9,455.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
9,700.0	0.00	0.00	9,555.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
9,800.0	0.00	0.00	9,655.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
9,900.0	0.00	0.00	9,755.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,000.0	0.00	0.00	9,855.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,100.0	0.00	0.00	9,955.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,200.0	0.00	0.00	10,055.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,300.0	0.00	0.00	10,155.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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)
10,400.0	0.00	0.00	10,255.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,500.0	0.00	0.00	10,355.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,600.0	0.00	0.00	10,455.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,700.0	0.00	0.00	10,555.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,800.0	0.00	0.00	10,655.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
10,900.0	0.00	0.00	10,755.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,000.0	0.00	0.00	10,855.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,100.0	0.00	0.00	10,955.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,200.0	0.00	0.00	11,055.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,300.0	0.00	0.00	11,155.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,400.0	0.00	0.00	11,255.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,500.0	0.00	0.00	11,355.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,600.0	0.00	0.00	11,455.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,700.0	0.00	0.00	11,555.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,800.0	0.00	0.00	11,655.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
11,900.0	0.00	0.00	11,755.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
12,000.0	0.00	0.00	11,855.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
12,100.0	0.00	0.00	11,955.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
12,200.0	0.00	0.00	12,055.6	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
12,255.1	0.00	0.00	12,110.7	-883.1	-1,106.6	1,009.3	0.00	0.00	0.00
Start DLS 12.00 TFO 179.54									
12,275.0	2.39	179.54	12,130.6	-883.5	-1,106.6	1,009.8	12.00	12.00	0.00
12,300.0	5.39	179.54	12,155.5	-885.2	-1,106.6	1,011.4	12.00	12.00	0.00
12,325.0	8.39	179.54	12,180.3	-888.2	-1,106.6	1,014.4	12.00	12.00	0.00
12,350.0	11.39	179.54	12,205.0	-892.5	-1,106.5	1,018.7	12.00	12.00	0.00
12,375.0	14.39	179.54	12,229.3	-898.1	-1,106.5	1,024.2	12.00	12.00	0.00
12,400.0	17.39	179.54	12,253.4	-904.9	-1,106.4	1,031.0	12.00	12.00	0.00
12,425.0	20.39	179.54	12,277.0	-913.0	-1,106.4	1,039.0	12.00	12.00	0.00
12,450.0	23.39	179.54	12,300.2	-922.3	-1,106.3	1,048.3	12.00	12.00	0.00
12,475.0	26.39	179.54	12,322.9	-932.9	-1,106.2	1,058.7	12.00	12.00	0.00
12,500.0	29.39	179.54	12,345.0	-944.5	-1,106.1	1,070.3	12.00	12.00	0.00
12,525.0	32.39	179.54	12,366.4	-957.4	-1,106.0	1,083.0	12.00	12.00	0.00
12,550.0	35.39	179.54	12,387.2	-971.3	-1,105.9	1,096.8	12.00	12.00	0.00
12,575.0	38.39	179.54	12,407.2	-986.3	-1,105.8	1,111.7	12.00	12.00	0.00
12,600.0	41.39	179.54	12,426.4	-1,002.3	-1,105.6	1,127.6	12.00	12.00	0.00
12,625.0	44.39	179.54	12,444.7	-1,019.4	-1,105.5	1,144.5	12.00	12.00	0.00
12,650.0	47.39	179.54	12,462.1	-1,037.3	-1,105.4	1,162.3	12.00	12.00	0.00
12,675.0	50.39	179.54	12,478.5	-1,056.1	-1,105.2	1,181.0	12.00	12.00	0.00
12,700.0	53.39	179.54	12,493.9	-1,075.8	-1,105.1	1,200.5	12.00	12.00	0.00
12,725.0	56.39	179.54	12,508.3	-1,096.3	-1,104.9	1,220.8	12.00	12.00	0.00
12,750.0	59.39	179.54	12,521.6	-1,117.4	-1,104.7	1,241.8	12.00	12.00	0.00
12,775.0	62.39	179.54	12,533.8	-1,139.3	-1,104.5	1,263.4	12.00	12.00	0.00
12,800.0	65.39	179.54	12,544.8	-1,161.7	-1,104.4	1,285.7	12.00	12.00	0.00
12,825.0	68.39	179.54	12,554.6	-1,184.7	-1,104.2	1,308.5	12.00	12.00	0.00
12,850.0	71.39	179.54	12,563.2	-1,208.2	-1,104.0	1,331.8	12.00	12.00	0.00
12,875.0	74.39	179.54	12,570.5	-1,232.1	-1,103.8	1,355.5	12.00	12.00	0.00
12,900.0	77.39	179.54	12,576.6	-1,256.3	-1,103.6	1,379.5	12.00	12.00	0.00
12,925.0	80.39	179.54	12,581.4	-1,280.8	-1,103.4	1,403.8	12.00	12.00	0.00
12,950.0	83.39	179.54	12,585.0	-1,305.6	-1,103.2	1,428.4	12.00	12.00	0.00
12,975.0	86.39	179.54	12,587.2	-1,330.5	-1,103.0	1,453.1	12.00	12.00	0.00
13,000.0	89.39	179.54	12,588.1	-1,355.5	-1,102.8	1,477.8	12.00	12.00	0.00
13,016.6	91.39	179.54	12,588.0	-1,372.1	-1,102.7	1,494.3	12.00	12.00	0.00
Start 7231.5 hold at 13016.6 MD									

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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)
13,100.0	91.39	179.54	12,586.0	-1,455.4	-1,102.0	1,577.0	0.00	0.00	0.00
13,200.0	91.39	179.54	12,583.6	-1,555.4	-1,101.2	1,676.1	0.00	0.00	0.00
13,300.0	91.39	179.54	12,581.2	-1,655.4	-1,100.4	1,775.3	0.00	0.00	0.00
13,400.0	91.39	179.54	12,578.7	-1,755.3	-1,099.6	1,874.4	0.00	0.00	0.00
13,500.0	91.39	179.54	12,576.3	-1,855.3	-1,098.8	1,973.6	0.00	0.00	0.00
13,600.0	91.39	179.54	12,573.9	-1,955.3	-1,098.0	2,072.7	0.00	0.00	0.00
13,700.0	91.39	179.54	12,571.5	-2,055.2	-1,097.2	2,171.9	0.00	0.00	0.00
13,800.0	91.39	179.54	12,569.1	-2,155.2	-1,096.4	2,271.1	0.00	0.00	0.00
13,900.0	91.39	179.54	12,566.6	-2,255.2	-1,095.6	2,370.2	0.00	0.00	0.00
14,000.0	91.39	179.54	12,564.2	-2,355.1	-1,094.8	2,469.4	0.00	0.00	0.00
14,100.0	91.39	179.54	12,561.8	-2,455.1	-1,094.0	2,568.5	0.00	0.00	0.00
14,200.0	91.39	179.54	12,559.4	-2,555.1	-1,093.2	2,667.7	0.00	0.00	0.00
14,300.0	91.39	179.54	12,557.0	-2,655.0	-1,092.4	2,766.8	0.00	0.00	0.00
14,400.0	91.39	179.54	12,554.6	-2,755.0	-1,091.6	2,866.0	0.00	0.00	0.00
14,500.0	91.39	179.54	12,552.1	-2,855.0	-1,090.8	2,965.1	0.00	0.00	0.00
14,600.0	91.39	179.54	12,549.7	-2,954.9	-1,090.0	3,064.3	0.00	0.00	0.00
14,700.0	91.39	179.54	12,547.3	-3,054.9	-1,089.2	3,163.4	0.00	0.00	0.00
14,800.0	91.39	179.54	12,544.9	-3,154.9	-1,088.4	3,262.6	0.00	0.00	0.00
14,900.0	91.39	179.54	12,542.5	-3,254.8	-1,087.5	3,361.7	0.00	0.00	0.00
15,000.0	91.39	179.54	12,540.1	-3,354.8	-1,086.7	3,460.9	0.00	0.00	0.00
15,100.0	91.39	179.54	12,537.6	-3,454.8	-1,085.9	3,560.0	0.00	0.00	0.00
15,200.0	91.39	179.54	12,535.2	-3,554.7	-1,085.1	3,659.2	0.00	0.00	0.00
15,300.0	91.39	179.54	12,532.8	-3,654.7	-1,084.3	3,758.3	0.00	0.00	0.00
15,400.0	91.39	179.54	12,530.4	-3,754.7	-1,083.5	3,857.5	0.00	0.00	0.00
15,500.0	91.39	179.54	12,528.0	-3,854.6	-1,082.7	3,956.6	0.00	0.00	0.00
15,600.0	91.39	179.54	12,525.6	-3,954.6	-1,081.9	4,055.8	0.00	0.00	0.00
15,700.0	91.39	179.54	12,523.1	-4,054.6	-1,081.1	4,154.9	0.00	0.00	0.00
15,800.0	91.39	179.54	12,520.7	-4,154.6	-1,080.3	4,254.1	0.00	0.00	0.00
15,900.0	91.39	179.54	12,518.3	-4,254.5	-1,079.5	4,353.2	0.00	0.00	0.00
16,000.0	91.39	179.54	12,515.9	-4,354.5	-1,078.7	4,452.4	0.00	0.00	0.00
16,100.0	91.39	179.54	12,513.5	-4,454.5	-1,077.9	4,551.5	0.00	0.00	0.00
16,200.0	91.39	179.54	12,511.1	-4,554.4	-1,077.1	4,650.7	0.00	0.00	0.00
16,300.0	91.39	179.54	12,508.6	-4,654.4	-1,076.3	4,749.8	0.00	0.00	0.00
16,400.0	91.39	179.54	12,506.2	-4,754.4	-1,075.5	4,849.0	0.00	0.00	0.00
16,500.0	91.39	179.54	12,503.8	-4,854.3	-1,074.7	4,948.1	0.00	0.00	0.00
16,600.0	91.39	179.54	12,501.4	-4,954.3	-1,073.9	5,047.3	0.00	0.00	0.00
16,700.0	91.39	179.54	12,499.0	-5,054.3	-1,073.1	5,146.4	0.00	0.00	0.00
16,800.0	91.39	179.54	12,496.6	-5,154.2	-1,072.3	5,245.6	0.00	0.00	0.00
16,900.0	91.39	179.54	12,494.1	-5,254.2	-1,071.5	5,344.7	0.00	0.00	0.00
17,000.0	91.39	179.54	12,491.7	-5,354.2	-1,070.7	5,443.9	0.00	0.00	0.00
17,100.0	91.39	179.54	12,489.3	-5,454.1	-1,069.9	5,543.0	0.00	0.00	0.00
17,200.0	91.39	179.54	12,486.9	-5,554.1	-1,069.1	5,642.2	0.00	0.00	0.00
17,300.0	91.39	179.54	12,484.5	-5,654.1	-1,068.3	5,741.3	0.00	0.00	0.00
17,400.0	91.39	179.54	12,482.0	-5,754.0	-1,067.5	5,840.5	0.00	0.00	0.00
17,500.0	91.39	179.54	12,479.6	-5,854.0	-1,066.7	5,939.6	0.00	0.00	0.00
17,600.0	91.39	179.54	12,477.2	-5,954.0	-1,065.9	6,038.8	0.00	0.00	0.00
17,700.0	91.39	179.54	12,474.8	-6,053.9	-1,065.1	6,137.9	0.00	0.00	0.00
17,800.0	91.39	179.54	12,472.4	-6,153.9	-1,064.3	6,237.1	0.00	0.00	0.00
17,900.0	91.39	179.54	12,470.0	-6,253.9	-1,063.5	6,336.2	0.00	0.00	0.00
18,000.0	91.39	179.54	12,467.5	-6,353.8	-1,062.7	6,435.4	0.00	0.00	0.00
18,100.0	91.39	179.54	12,465.1	-6,453.8	-1,061.9	6,534.5	0.00	0.00	0.00
18,200.0	91.39	179.54	12,462.7	-6,553.8	-1,061.0	6,633.7	0.00	0.00	0.00
18,300.0	91.39	179.54	12,460.3	-6,653.7	-1,060.2	6,732.8	0.00	0.00	0.00
18,400.0	91.39	179.54	12,457.9	-6,753.7	-1,059.4	6,832.0	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 15 Central Prod	**Local Co-ordinate Reference:**	Well BANDANA FEDERAL COM #604H
Company:	DELAWARE BASIN EAST	**TVD Reference:**	*KB=30' @ 3424.6usft (TBD)
Project:	BULLDOG PROSPECT (NM-E)	**MD Reference:**	*KB=30' @ 3424.6usft (TBD)
Site:	BANDANA FEDERAL PROJECT	**North Reference:**	Grid
Well:	BANDANA FEDERAL COM #604H	**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)
18,500.0	91.39	179.54	12,455.5	-6,853.7	-1,058.6	6,931.1	0.00	0.00	0.00
18,600.0	91.39	179.54	12,453.0	-6,953.6	-1,057.8	7,030.3	0.00	0.00	0.00
18,700.0	91.39	179.54	12,450.6	-7,053.6	-1,057.0	7,129.4	0.00	0.00	0.00
18,800.0	91.39	179.54	12,448.2	-7,153.6	-1,056.2	7,228.6	0.00	0.00	0.00
18,900.0	91.39	179.54	12,445.8	-7,253.5	-1,055.4	7,327.8	0.00	0.00	0.00
19,000.0	91.39	179.54	12,443.4	-7,353.5	-1,054.6	7,426.9	0.00	0.00	0.00
19,100.0	91.39	179.54	12,441.0	-7,453.5	-1,053.8	7,526.1	0.00	0.00	0.00
19,200.0	91.39	179.54	12,438.5	-7,553.4	-1,053.0	7,625.2	0.00	0.00	0.00
19,300.0	91.39	179.54	12,436.1	-7,653.4	-1,052.2	7,724.4	0.00	0.00	0.00
19,400.0	91.39	179.54	12,433.7	-7,753.4	-1,051.4	7,823.5	0.00	0.00	0.00
19,500.0	91.39	179.54	12,431.3	-7,853.4	-1,050.6	7,922.7	0.00	0.00	0.00
19,600.0	91.39	179.54	12,428.9	-7,953.3	-1,049.8	8,021.8	0.00	0.00	0.00
19,700.0	91.39	179.54	12,426.5	-8,053.3	-1,049.0	8,121.0	0.00	0.00	0.00
19,800.0	91.39	179.54	12,424.0	-8,153.3	-1,048.2	8,220.1	0.00	0.00	0.00
19,900.0	91.39	179.54	12,421.6	-8,253.2	-1,047.4	8,319.3	0.00	0.00	0.00
20,000.0	91.39	179.54	12,419.2	-8,353.2	-1,046.6	8,418.4	0.00	0.00	0.00
20,100.0	91.39	179.54	12,416.8	-8,453.2	-1,045.8	8,517.6	0.00	0.00	0.00
20,200.0	91.39	179.54	12,414.4	-8,553.1	-1,045.0	8,616.7	0.00	0.00	0.00
20,248.1	91.39	179.54	12,413.2	-8,601.2	-1,044.6	8,664.4	0.00	0.00	0.00
Start 50.0 hold at 20248.1 MD									
20,298.1	91.39	179.54	12,412.0	-8,651.2	-1,044.2	8,714.0	0.00	0.00	0.00
TD at 20298.1									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (BANDANA FED (	1.39	359.54	12,412.0	-8,651.2	-1,044.2	409,721.10	779,450.70	32° 7' 23.599 N	103° 25' 50.416 W
- plan hits target center - Rectangle (sides W100.0 H7,768.4 D20.0)									
LTP (BANDANA FED C(	0.00	0.00	12,413.2	-8,601.2	-1,044.6	409,771.10	779,450.30	32° 7' 24.093 N	103° 25' 50.416 W
- plan hits target center - Point									
FTP (BANDANA FED C(	0.00	0.00	12,588.0	-883.1	-1,106.6	417,489.20	779,388.30	32° 8' 40.471 N	103° 25' 50.385 W
- plan misses target center by 197.7usft at 12626.9usft MD (12446.0 TVD, -1020.7 N, -1105.5 E) - Circle (radius 50.0)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2,000.0	2,000.0	0.0	0.0	Start Build 2.00
2,600.1	2,595.7	-39.1	-48.9	Start 6206.2 hold at 2600.1 MD
8,806.3	8,666.3	-844.0	-1,057.7	Start Drop -2.00
9,406.4	9,262.0	-883.1	-1,106.6	Start 2848.7 hold at 9406.4 MD
12,255.1	12,110.7	-883.1	-1,106.6	Start DLS 12.00 TFO 179.54
13,016.6	12,588.0	-1,372.1	-1,102.7	Start 7231.5 hold at 13016.6 MD
20,248.1	12,413.2	-8,601.2	-1,044.6	Start 50.0 hold at 20248.1 MD
20,298.1	12,412.0	-8,651.2	-1,044.2	TD at 20298.1

COMPANY: DELAWARE BASIN EAST
FIELD: BULLDOG PROSPECT (NM-E)
WELL NAME: BANDANA FEDERAL COM #604H
UWI:
WELLBORE NAME: OWB
Survey Name: PWP0
Extraction Date: 7/7/2022

Calculation Method: Minimum Curvature
Datum Name: *KB=30'
LAT Reference: Well

Slot EW Map (us/ft): 780494.900
Slot NS Map (us/ft): 418372.300
Surface Latitude Map: 32° 8' 49.118 N
Surface Longitude Map: 103° 25' 37.428 W
Bottom Hole MD (us/ft): 20298.11
Bottom Hole TVD (us/ft): 12412.00
Bottom Hole EW Map (us/ft): 779450.702
Bottom Hole NS Map (us/ft): 409721.100

GL Elevation: 3394.60
KB Elevation: 3424.60

MAGNETIC CALCULATION DATE....: 01-Jan-2023
Map-Zone: New Mexico East 3001
North Reference: Grid
Grid Convergence at Surface is 0.482°.
Total Correction: 5.79
Magnetic dip: 59.74
Magnetic field strength: 47469.41
Geo Datum: NAD 1927 (NADCON CONUS)
VSDIR: 186.88
H----------
H SURVEY TYPE INFORMATION
H 0.00 - 2000.00 PWP0 : STANDARD KEEPER 104
H 2000.00 - 12255.10 PWP0 : MWD+IFR1+MS
H 12255.10 - 20298.10 PWP0 : MWD+IFR1+MS

Measured Depth (ft)	Incl.	Azim.	TVD (ft)	NS (ft)	EW (ft)	Vertical Section (ft)	Dogleg Rate (dega/100ft)	Easting
0	0	0	0	0	0	0	0	780494.9

100	0	0	100	0	0	0	0	780494.9
200	0	0	200	0	0	0	0	780494.9
300	0	0	300	0	0	0	0	780494.9
400	0	0	400	0	0	0	0	780494.9
500	0	0	500	0	0	0	0	780494.9
600	0	0	600	0	0	0	0	780494.9
700	0	0	700	0	0	0	0	780494.9
800	0	0	800	0	0	0	0	780494.9
900	0	0	900	0	0	0	0	780494.9
1000	0	0	1000	0	0	0	0	780494.9
1100	0	0	1100	0	0	0	0	780494.9
1200	0	0	1200	0	0	0	0	780494.9
1300	0	0	1300	0	0	0	0	780494.9
1400	0	0	1400	0	0	0	0	780494.9
1500	0	0	1500	0	0	0	0	780494.9
1600	0	0	1600	0	0	0	0	780494.9
1700	0	0	1700	0	0	0	0	780494.9
1800	0	0	1800	0	0	0	0	780494.9
1900	0	0	1900	0	0	0	0	780494.9
2000	0	0	2000	0	0	0	0	780494.9
2100	2	231.409	2099.98	-1.09	-1.36	1.24	2	780493.5
2200	4	231.409	2199.84	-4.35	-5.45	4.98	2	780489.4
2300	6	231.409	2299.45	-9.79	-12.27	11.19	2	780482.6
2400	8	231.409	2398.7	-17.39	-21.79	19.88	2	780473.1
2500	10	231.409	2497.47	-27.15	-34.02	31.03	2	780460.9
2600.09	12.002	231.409	2595.71	-39.06	-48.95	44.64	2	780446
2700	12.002	231.409	2693.44	-52.02	-65.18	59.46	0	780429.7
2800	12.002	231.409	2791.25	-64.99	-81.44	74.28	0	780413.5
2900	12.002	231.409	2889.07	-77.96	-97.69	89.1	0	780397.2
3000	12.002	231.409	2986.88	-90.93	-113.94	103.93	0	780381
3100	12.002	231.409	3084.69	-103.9	-130.2	118.75	0	780364.7
3200	12.002	231.409	3182.51	-116.87	-146.45	133.58	0	780348.5
3300	12.002	231.409	3280.32	-129.84	-162.7	148.4	0	780332.2
3400	12.002	231.409	3378.14	-142.81	-178.96	163.23	0	780315.9
3500	12.002	231.409	3475.95	-155.78	-195.21	178.05	0	780299.7
3600	12.002	231.409	3573.76	-168.75	-211.46	192.88	0	780283.4
3700	12.002	231.409	3671.58	-181.72	-227.72	207.7	0	780267.2
3800	12.002	231.409	3769.39	-194.69	-243.97	222.53	0	780250.9
3900	12.002	231.409	3867.21	-207.66	-260.22	237.35	0	780234.7
4000	12.002	231.409	3965.02	-220.64	-276.48	252.18	0	780218.4
4100	12.002	231.409	4062.83	-233.61	-292.73	267	0	780202.2
4200	12.002	231.409	4160.65	-246.58	-308.98	281.83	0	780185.9
4300	12.002	231.409	4258.46	-259.55	-325.23	296.65	0	780169.7
4400	12.002	231.409	4356.28	-272.52	-341.49	311.47	0	780153.4
4500	12.002	231.409	4454.09	-285.49	-357.74	326.3	0	780137.2
4600	12.002	231.409	4551.91	-298.46	-373.99	341.12	0	780120.9
4700	12.002	231.409	4649.72	-311.43	-390.25	355.95	0	780104.7

4800	12.002	231.409	4747.53	-324.4	-406.5	370.77	0	780088.4
4900	12.002	231.409	4845.35	-337.37	-422.75	385.6	0	780072.1
5000	12.002	231.409	4943.16	-350.34	-439.01	400.42	0	780055.9
5100	12.002	231.409	5040.98	-363.31	-455.26	415.25	0	780039.6
5200	12.002	231.409	5138.79	-376.28	-471.51	430.07	0	780023.4
5300	12.002	231.409	5236.6	-389.25	-487.77	444.9	0	780007.1
5400	12.002	231.409	5334.42	-402.22	-504.02	459.72	0	779990.9
5500	12.002	231.409	5432.23	-415.19	-520.27	474.55	0	779974.6
5600	12.002	231.409	5530.05	-428.16	-536.53	489.37	0	779958.4
5700	12.002	231.409	5627.86	-441.13	-552.78	504.19	0	779942.1
5800	12.002	231.409	5725.67	-454.1	-569.03	519.02	0	779925.9
5900	12.002	231.409	5823.49	-467.07	-585.28	533.84	0	779909.6
6000	12.002	231.409	5921.3	-480.05	-601.54	548.67	0	779893.4
6100	12.002	231.409	6019.12	-493.02	-617.79	563.49	0	779877.1
6200	12.002	231.409	6116.93	-505.99	-634.04	578.32	0	779860.9
6300	12.002	231.409	6214.75	-518.96	-650.3	593.14	0	779844.6
6400	12.002	231.409	6312.56	-531.93	-666.55	607.97	0	779828.4
6500	12.002	231.409	6410.37	-544.9	-682.8	622.79	0	779812.1
6600	12.002	231.409	6508.19	-557.87	-699.06	637.62	0	779795.8
6700	12.002	231.409	6606	-570.84	-715.31	652.44	0	779779.6
6800	12.002	231.409	6703.82	-583.81	-731.56	667.27	0	779763.3
6900	12.002	231.409	6801.63	-596.78	-747.82	682.09	0	779747.1
7000	12.002	231.409	6899.44	-609.75	-764.07	696.92	0	779730.8
7100	12.002	231.409	6997.26	-622.72	-780.32	711.74	0	779714.6
7200	12.002	231.409	7095.07	-635.69	-796.58	726.56	0	779698.3
7300	12.002	231.409	7192.89	-648.66	-812.83	741.39	0	779682.1
7400	12.002	231.409	7290.7	-661.63	-829.08	756.21	0	779665.8
7500	12.002	231.409	7388.52	-674.6	-845.33	771.04	0	779649.6
7600	12.002	231.409	7486.33	-687.57	-861.59	785.86	0	779633.3
7700	12.002	231.409	7584.14	-700.54	-877.84	800.69	0	779617.1
7800	12.002	231.409	7681.96	-713.51	-894.09	815.51	0	779600.8
7900	12.002	231.409	7779.77	-726.48	-910.35	830.34	0	779584.6
8000	12.002	231.409	7877.59	-739.45	-926.6	845.16	0	779568.3
8100	12.002	231.409	7975.4	-752.43	-942.85	859.99	0	779552
8200	12.002	231.409	8073.21	-765.4	-959.11	874.81	0	779535.8
8300	12.002	231.409	8171.03	-778.37	-975.36	889.64	0	779519.5
8400	12.002	231.409	8268.84	-791.34	-991.61	904.46	0	779503.3
8500	12.002	231.409	8366.66	-804.31	-1007.87	919.28	0	779487
8600	12.002	231.409	8464.47	-817.28	-1024.12	934.11	0	779470.8
8700	12.002	231.409	8562.28	-830.25	-1040.37	948.93	0	779454.5
8806.33	12.002	231.409	8666.29	-844.04	-1057.65	964.7	0	779437.2
8900	10.128	231.409	8758.21	-855.25	-1071.71	977.51	2	779423.2
9000	8.128	231.409	8856.94	-865.15	-1084.1	988.82	2	779410.8
9100	6.128	231.409	8956.17	-872.89	-1093.8	997.67	2	779401.1
9200	4.128	231.409	9055.76	-878.46	-1100.79	1004.04	2	779394.1
9300	2.128	231.409	9155.61	-881.87	-1105.06	1007.93	2	779389.8
9406.42	0	0	9262	-883.1	-1106.6	1009.34	2	779388.3

9500	0	0	9355.58	-883.1	-1106.6	1009.34	0	779388.3
9600	0	0	9455.58	-883.1	-1106.6	1009.34	0	779388.3
9700	0	0	9555.58	-883.1	-1106.6	1009.34	0	779388.3
9800	0	0	9655.58	-883.1	-1106.6	1009.34	0	779388.3
9900	0	0	9755.58	-883.1	-1106.6	1009.34	0	779388.3
10000	0	0	9855.58	-883.1	-1106.6	1009.34	0	779388.3
10100	0	0	9955.58	-883.1	-1106.6	1009.34	0	779388.3
10200	0	0	10055.58	-883.1	-1106.6	1009.34	0	779388.3
10300	0	0	10155.58	-883.1	-1106.6	1009.34	0	779388.3
10400	0	0	10255.58	-883.1	-1106.6	1009.34	0	779388.3
10500	0	0	10355.58	-883.1	-1106.6	1009.34	0	779388.3
10600	0	0	10455.58	-883.1	-1106.6	1009.34	0	779388.3
10700	0	0	10555.58	-883.1	-1106.6	1009.34	0	779388.3
10800	0	0	10655.58	-883.1	-1106.6	1009.34	0	779388.3
10900	0	0	10755.58	-883.1	-1106.6	1009.34	0	779388.3
11000	0	0	10855.58	-883.1	-1106.6	1009.34	0	779388.3
11100	0	0	10955.58	-883.1	-1106.6	1009.34	0	779388.3
11200	0	0	11055.58	-883.1	-1106.6	1009.34	0	779388.3
11300	0	0	11155.58	-883.1	-1106.6	1009.34	0	779388.3
11400	0	0	11255.58	-883.1	-1106.6	1009.34	0	779388.3
11500	0	0	11355.58	-883.1	-1106.6	1009.34	0	779388.3
11600	0	0	11455.58	-883.1	-1106.6	1009.34	0	779388.3
11700	0	0	11555.58	-883.1	-1106.6	1009.34	0	779388.3
11800	0	0	11655.58	-883.1	-1106.6	1009.34	0	779388.3
11900	0	0	11755.58	-883.1	-1106.6	1009.34	0	779388.3
12000	0	0	11855.58	-883.1	-1106.6	1009.34	0	779388.3
12100	0	0	11955.58	-883.1	-1106.6	1009.34	0	779388.3
12200	0	0	12055.58	-883.1	-1106.6	1009.34	0	779388.3
12255.09	0	0	12110.67	-883.1	-1106.6	1009.34	0	779388.3
12275	2.389	179.54	12130.58	-883.51	-1106.6	1009.75	12	779388.3
12300	5.389	179.54	12155.52	-885.21	-1106.58	1011.43	12	779388.3
12325	8.389	179.54	12180.33	-888.21	-1106.56	1014.41	12	779388.3
12350	11.389	179.54	12204.96	-892.5	-1106.52	1018.67	12	779388.4
12375	14.389	179.54	12229.33	-898.08	-1106.48	1024.2	12	779388.4
12400	17.389	179.54	12253.37	-904.92	-1106.42	1030.98	12	779388.5
12425	20.389	179.54	12277.02	-913.01	-1106.36	1039.01	12	779388.5
12450	23.389	179.54	12300.21	-922.33	-1106.28	1048.25	12	779388.6
12475	26.389	179.54	12322.89	-932.85	-1106.2	1058.69	12	779388.7
12500	29.389	179.54	12344.98	-944.54	-1106.11	1070.28	12	779388.8
12525	32.389	179.54	12366.43	-957.38	-1106	1083.01	12	779388.9
12550	35.389	179.54	12387.19	-971.31	-1105.89	1096.83	12	779389
12575	38.389	179.54	12407.18	-986.32	-1105.77	1111.72	12	779389.1
12600	41.389	179.54	12426.36	-1002.35	-1105.64	1127.61	12	779389.3
12625	44.389	179.54	12444.67	-1019.36	-1105.51	1144.49	12	779389.4
12650	47.389	179.54	12462.07	-1037.31	-1105.36	1162.29	12	779389.5
12675	50.389	179.54	12478.51	-1056.14	-1105.21	1180.97	12	779389.7
12700	53.389	179.54	12493.94	-1075.81	-1105.05	1200.47	12	779389.8

12725	56.389	179.54	12508.31	-1096.26	-1104.89	1220.75	12	779390
12750	59.389	179.54	12521.6	-1117.43	-1104.72	1241.75	12	779390.2
12775	62.389	179.54	12533.76	-1139.27	-1104.54	1263.41	12	779390.4
12800	65.389	179.54	12544.76	-1161.71	-1104.36	1285.68	12	779390.5
12825	68.389	179.54	12554.58	-1184.7	-1104.18	1308.48	12	779390.7
12850	71.389	179.54	12563.17	-1208.17	-1103.99	1331.76	12	779390.9
12875	74.389	179.54	12570.53	-1232.06	-1103.8	1355.45	12	779391.1
12900	77.389	179.54	12576.62	-1256.31	-1103.6	1379.5	12	779391.3
12925	80.389	179.54	12581.44	-1280.83	-1103.4	1403.83	12	779391.5
12950	83.389	179.54	12584.96	-1305.58	-1103.21	1428.37	12	779391.7
12975	86.389	179.54	12587.19	-1330.48	-1103.01	1453.06	12	779391.9
13000	89.389	179.54	12588.11	-1355.46	-1102.81	1477.84	12	779392.1
13016.64	91.385	179.54	12588	-1372.09	-1102.67	1494.34	12	779392.2
13100	91.385	179.54	12585.99	-1455.43	-1102	1576.99	0	779392.9
13200	91.385	179.54	12583.57	-1555.39	-1101.2	1676.14	0	779393.7
13300	91.385	179.54	12581.15	-1655.36	-1100.4	1775.3	0	779394.5
13400	91.385	179.54	12578.73	-1755.33	-1099.59	1874.45	0	779395.3
13500	91.385	179.54	12576.32	-1855.3	-1098.79	1973.6	0	779396.1
13600	91.385	179.54	12573.9	-1955.27	-1097.99	2072.75	0	779396.9
13700	91.385	179.54	12571.48	-2055.23	-1097.18	2171.9	0	779397.7
13800	91.385	179.54	12569.07	-2155.2	-1096.38	2271.05	0	779398.5
13900	91.385	179.54	12566.65	-2255.17	-1095.58	2370.2	0	779399.3
14000	91.385	179.54	12564.23	-2355.14	-1094.78	2469.35	0	779400.1
14100	91.385	179.54	12561.81	-2455.1	-1093.97	2568.5	0	779400.9
14200	91.385	179.54	12559.4	-2555.07	-1093.17	2667.65	0	779401.7
14300	91.385	179.54	12556.98	-2655.04	-1092.37	2766.81	0	779402.5
14400	91.385	179.54	12554.56	-2755.01	-1091.56	2865.96	0	779403.3
14500	91.385	179.54	12552.15	-2854.97	-1090.76	2965.11	0	779404.1
14600	91.385	179.54	12549.73	-2954.94	-1089.96	3064.26	0	779404.9
14700	91.385	179.54	12547.31	-3054.91	-1089.15	3163.41	0	779405.7
14800	91.385	179.54	12544.89	-3154.88	-1088.35	3262.56	0	779406.5
14900	91.385	179.54	12542.48	-3254.84	-1087.55	3361.71	0	779407.4
15000	91.385	179.54	12540.06	-3354.81	-1086.74	3460.86	0	779408.2
15100	91.385	179.54	12537.64	-3454.78	-1085.94	3560.01	0	779409
15200	91.385	179.54	12535.23	-3554.75	-1085.14	3659.16	0	779409.8
15300	91.385	179.54	12532.81	-3654.71	-1084.34	3758.32	0	779410.6
15400	91.385	179.54	12530.39	-3754.68	-1083.53	3857.47	0	779411.4
15500	91.385	179.54	12527.97	-3854.65	-1082.73	3956.62	0	779412.2
15600	91.385	179.54	12525.56	-3954.62	-1081.93	4055.77	0	779413
15700	91.385	179.54	12523.14	-4054.58	-1081.12	4154.92	0	779413.8
15800	91.385	179.54	12520.72	-4154.55	-1080.32	4254.07	0	779414.6
15900	91.385	179.54	12518.31	-4254.52	-1079.52	4353.22	0	779415.4
16000	91.385	179.54	12515.89	-4354.49	-1078.71	4452.37	0	779416.2
16100	91.385	179.54	12513.47	-4454.45	-1077.91	4551.52	0	779417
16200	91.385	179.54	12511.06	-4554.42	-1077.11	4650.67	0	779417.8
16300	91.385	179.54	12508.64	-4654.39	-1076.3	4749.83	0	779418.6
16400	91.385	179.54	12506.22	-4754.36	-1075.5	4848.98	0	779419.4

16500	91.385	179.54	12503.8	-4854.32	-1074.7	4948.13	0	779420.2
16600	91.385	179.54	12501.39	-4954.29	-1073.9	5047.28	0	779421
16700	91.385	179.54	12498.97	-5054.26	-1073.09	5146.43	0	779421.8
16800	91.385	179.54	12496.55	-5154.23	-1072.29	5245.58	0	779422.6
16900	91.385	179.54	12494.14	-5254.19	-1071.49	5344.73	0	779423.4
17000	91.385	179.54	12491.72	-5354.16	-1070.68	5443.88	0	779424.2
17100	91.385	179.54	12489.3	-5454.13	-1069.88	5543.03	0	779425
17200	91.385	179.54	12486.88	-5554.1	-1069.08	5642.18	0	779425.8
17300	91.385	179.54	12484.47	-5654.06	-1068.27	5741.34	0	779426.6
17400	91.385	179.54	12482.05	-5754.03	-1067.47	5840.49	0	779427.4
17500	91.385	179.54	12479.63	-5854	-1066.67	5939.64	0	779428.2
17600	91.385	179.54	12477.22	-5953.97	-1065.87	6038.79	0	779429
17700	91.385	179.54	12474.8	-6053.93	-1065.06	6137.94	0	779429.8
17800	91.385	179.54	12472.38	-6153.9	-1064.26	6237.09	0	779430.6
17900	91.385	179.54	12469.96	-6253.87	-1063.46	6336.24	0	779431.4
18000	91.385	179.54	12467.55	-6353.84	-1062.65	6435.39	0	779432.2
18100	91.385	179.54	12465.13	-6453.81	-1061.85	6534.54	0	779433.1
18200	91.385	179.54	12462.71	-6553.77	-1061.05	6633.69	0	779433.9
18300	91.385	179.54	12460.3	-6653.74	-1060.24	6732.85	0	779434.7
18400	91.385	179.54	12457.88	-6753.71	-1059.44	6832	0	779435.5
18500	91.385	179.54	12455.46	-6853.68	-1058.64	6931.15	0	779436.3
18600	91.385	179.54	12453.04	-6953.64	-1057.83	7030.3	0	779437.1
18700	91.385	179.54	12450.63	-7053.61	-1057.03	7129.45	0	779437.9
18800	91.385	179.54	12448.21	-7153.58	-1056.23	7228.6	0	779438.7
18900	91.385	179.54	12445.79	-7253.55	-1055.43	7327.75	0	779439.5
19000	91.385	179.54	12443.38	-7353.51	-1054.62	7426.9	0	779440.3
19100	91.385	179.54	12440.96	-7453.48	-1053.82	7526.05	0	779441.1
19200	91.385	179.54	12438.54	-7553.45	-1053.02	7625.2	0	779441.9
19300	91.385	179.54	12436.13	-7653.42	-1052.21	7724.36	0	779442.7
19400	91.385	179.54	12433.71	-7753.38	-1051.41	7823.51	0	779443.5
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19600	91.385	179.54	12428.87	-7953.32	-1049.8	8021.81	0	779445.1
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19900	91.385	179.54	12421.62	-8253.22	-1047.4	8319.26	0	779447.5
20000	91.385	179.54	12419.21	-8353.19	-1046.59	8418.41	0	779448.3
20100	91.385	179.54	12416.79	-8453.16	-1045.79	8517.56	0	779449.1
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20248.09	91.385	179.54	12413.21	-8601.2	-1044.6	8664.4	0	779450.3
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Northing

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410518.9
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410319
410219
410119.1
410019.1
409919.1
409819.2
409771.1 Start 50.0 hold at 20248.1 MD
409721.1 TD at 20298.1

Project: BULLDOG PROSPECT (NM-E)
Site: BANDANA FEDERAL PROJECT
Well: BANDANA FEDERAL COM #604H
Wellbore: OWB
Design: PWP0
GL: 3394.6
*KB=30' @ 3424.6usft (TBD)

ConocoPhillips

Azimuths to Grid North
True North: -0.48°
Magnetic North: 5.79°

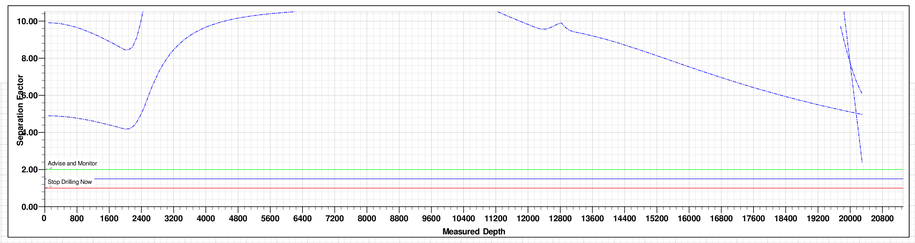
Magnetic Field
Strength: 47469.4nT
Dip Angle: 59.74°
Date: 1/1/2023
Model: BGGM2022

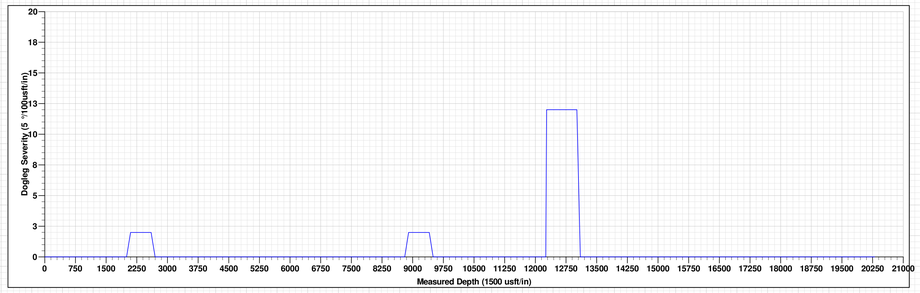
WELL DETAILS: BANDANA FEDERAL COM #604H

+N/-S	+E/-W	Northing	Easting	Latittude	Longitude
0.0	0.0	418372.30	780494.90	32° 8' 49.118 N	103° 25' 37.428 W

DESIGN TARGET DETAILS

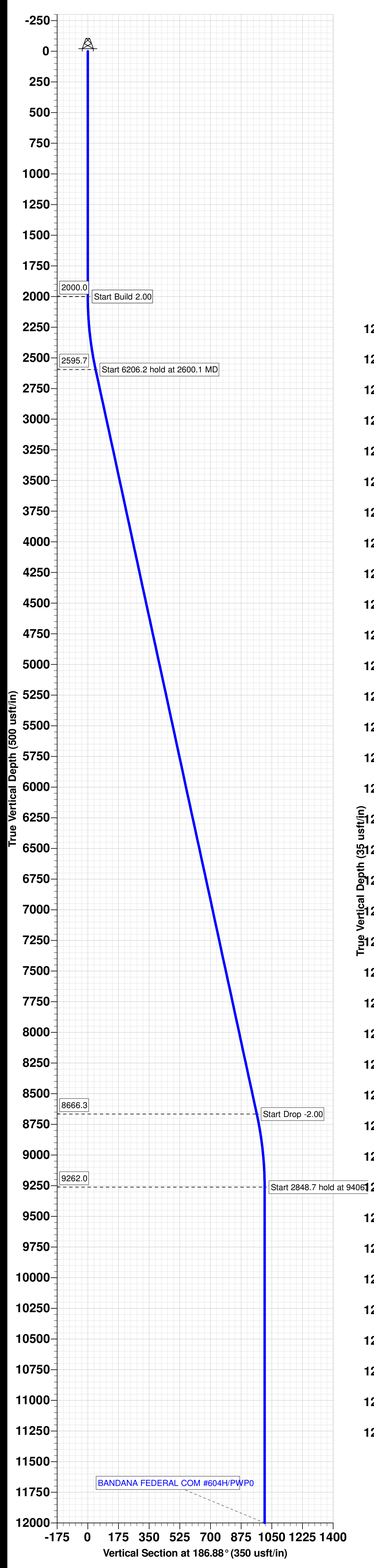
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL (BANDANA FED COM #604H)	12412.0	-8651.2	-1044.2	409721.10	779450.70	Rectangle (Sides: L7768.4 W100.0)
LTP (BANDANA FED COM #604H)	12413.2	-8601.2	-1044.6	409771.10	779450.30	Point
FTP (BANDANA FED COM #604H)	12588.0	-883.1	-1106.6	417489.20	779388.30	Circle (Radius: 50.0)

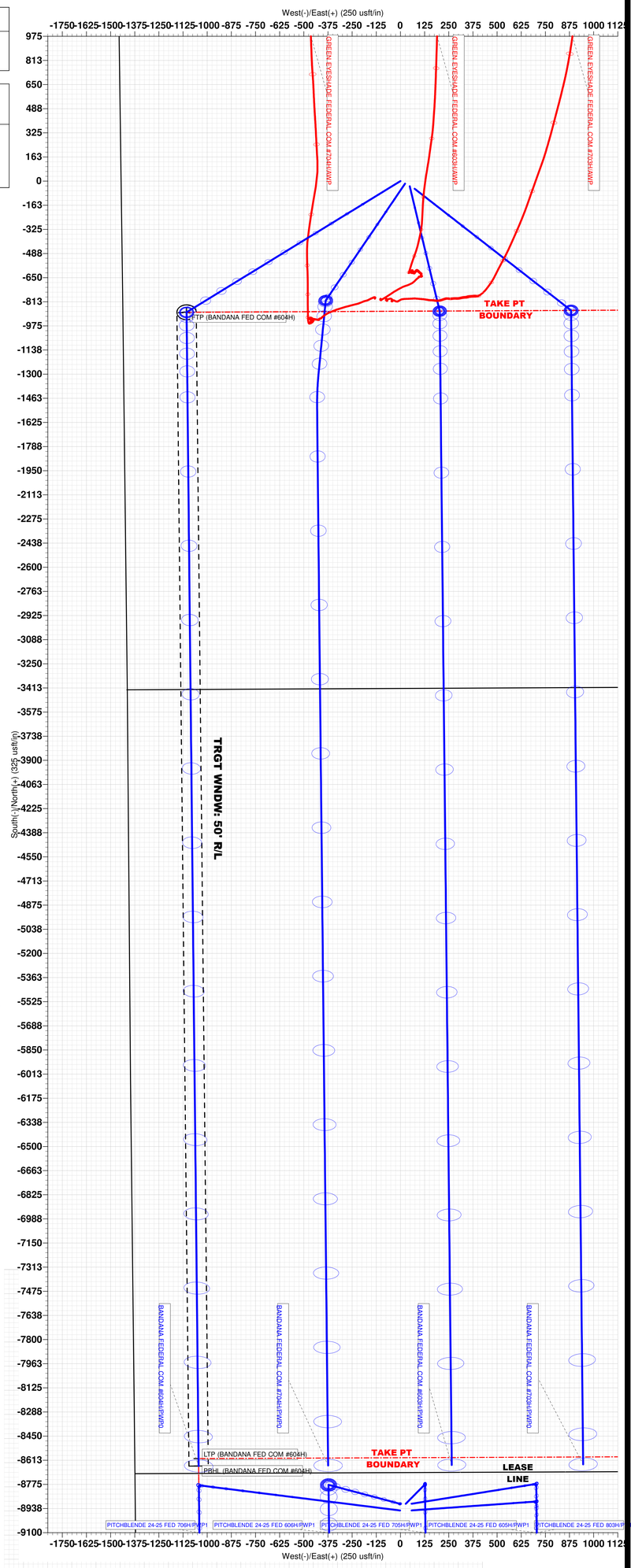


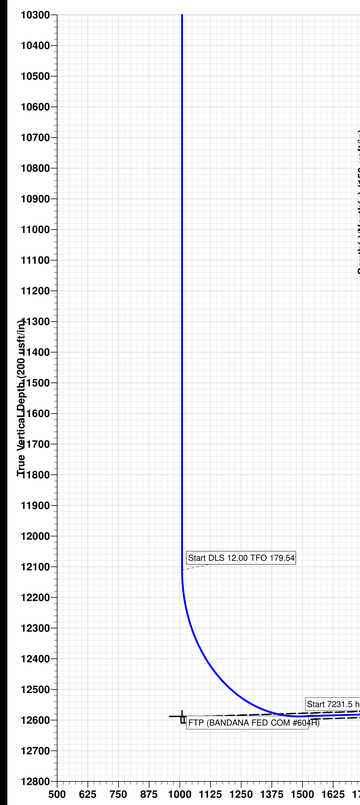


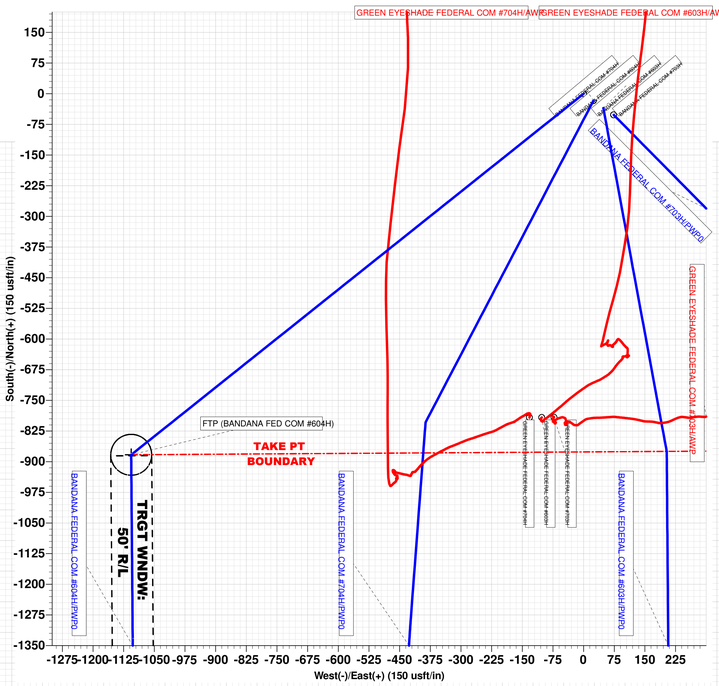
PWP0

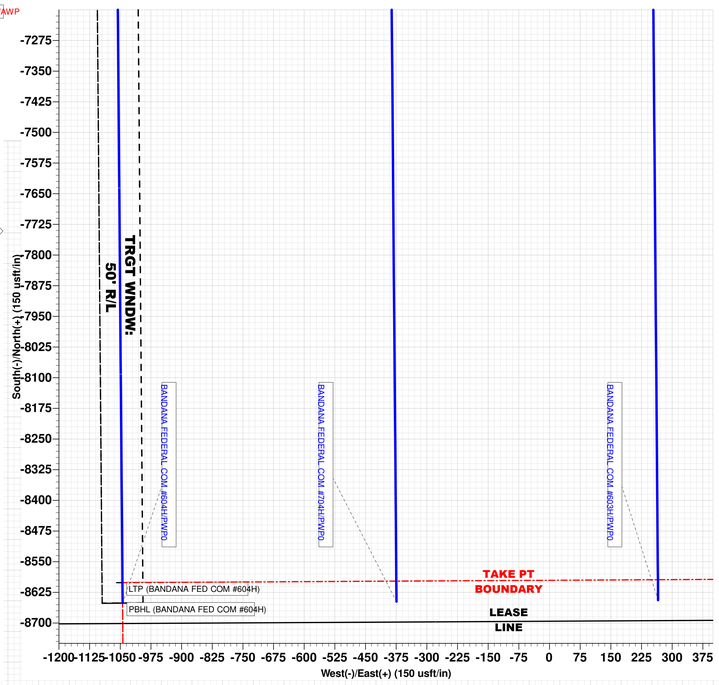
MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
2000.0	0.00	0.00	2000.0	0.0	0.0	0.0	0.0	Start Build 2.00
2600.1	12.00	231.41	2595.7	-39.1	-48.9	44.6	62.6	Start 6206.2 hold at 2600.1 MD
8806.3	12.00	231.41	8666.3	-844.0	-1057.7	964.7	1353.2	Start Drop -2.00
9406.4	0.00	0.00	9262.0	-883.1	-1106.6	1009.3	1415.8	Start 2848.7 hold at 9406.4 MD
12255.1	0.00	0.00	12110.7	-883.1	-1106.6	1009.3	1415.8	Start DLS 12.00 TFO 179.54
13016.6	91.39	179.54	12588.0	-1372.1	-1102.7	1494.3	1904.8	Start 7231.5 hold at 13016.6 MD
20248.1	91.39	179.54	12413.2	-8601.2	-1044.6	8664.4	9134.1	Start 50.0 hold at 20248.1 MD
20298.1	91.39	179.54	12412.0	-8651.2	-1044.2	8714.0	9184.1	TD at 20298.1











STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT SUBMITTED BY COG OPERATING, LLC

CASE NO. 23333
ORDER NO. R-22628-A

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on March 2, 2023, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

1. COG Operating, LLC ("Operator") submitted an application ("Application") to compulsory pool the uncommitted oil and gas interests within the spacing unit ("Unit") described in Exhibit A.

2. On April 16, 2023, OCD issued Order R-22628, which only approved the Composolary Pooling portion of the application.

3. Order R-22628 also had an incorrect Exhibit A attached to it.

4. The Application also seeks approval of a Non-Standard horizontal spacing unit for production from all Division-designated pools underlying the Unit.

5. Operator seeks to be designated the operator of the Unit.

6. Operator will dedicate the well(s) described in Exhibit A ("Well(s)") to the Unit.

7. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.

8. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.

9. Operator identified the owners of interest in the offset oil and gas minerals from the Unit and provided evidence that notice was given.

10. The Application was heard by the Hearing Examiner on the date specified above, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

11. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.

12. Operator is the owner of an oil and gas working interest within the Unit.

13. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.

14. Operator has met the notice requirements for approval of non-standard horizontal spacing units in accordance with 19.15.16.15(B)(5) NMAC.

15. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.

16. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.

17. OCD's rules allow the approval of a non-standard horizontal spacing unit, after notice and opportunity for hearing, "if necessary to prevent waste or protect correlative rights" 19.15.16.15(B)(5)(a) NMAC.

18. While the OCD is authorized to approve a non-standard spacing unit, Rutter & Wilbanks Corp. v. Oil Conservation Comm'n, 1975-NMSC-006, OCD lacks the authority to approve unitization and will disapprove an application if it determines that it is actually unitization. Order R-13554 (May 18, 2012) (disapproving application for a non-standard spacing unit consisting of 16 standard spacing units).

19. Approval of the Non-Standard Spacing Unit promotes effective well spacing and allows the Operator to therefore prevent waste and protect correlative rights.

20. The Unit contains separately owned uncommitted interests in oil and gas minerals.

21. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit.

22. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.

23. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

ORDER

24. Order R-22628 is hereby superseded by this Order.

25. The Unit is approved as a non-standard horizontal spacing unit.

26. Operator shall file Forms C-102 reflecting the correct acreage dedicated for each of the Wells.

27. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.

28. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.

29. Operator is designated as operator of the Unit and the Well(s).

30. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.

31. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.

32. This Order shall terminate automatically if Operator fails to comply with Paragraph 31 unless Operator obtains an extension by amending this Order for good cause shown.

33. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.

34. Operator shall submit each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").

35. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who fails to pay its share of the Estimated Well Costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."

36. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written

objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.

37. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.

38. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."

39. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.

40. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.

41. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.

42. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 38 to each Pooled Working Interest that paid its share of the Estimated Well Costs.

43. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.

44. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.

45. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*

46. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.

47. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Date: 4/30/2023

DYLAN M FUGE
DIRECTOR (ACTING)
DMF/jag

Exhibit A

Received by OCD: 7/17/2023 9:35:33 AM

COMPULSORY POOLING APPLICATION CHECKLIST	
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 23333	**APPLICANT'S RESPONSE**
Date	**March 2, 2023**
Applicant	**COG Operating LLC**
Designated Operator & OGRID (affiliation if applicable)	**OGRID No. 229137**
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of COG Operating LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Lea County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Bandana
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Base of the Avalon interval of the Bone Spring Formation to the base of the Bone Spring Formation
Pool Name and Pool Code:	Fairview Mills; Bone Spring Pool (Code 96340)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	960 acres
Building Blocks:	quarter-quarter
Orientation:	North/South
Description: TRS/County	S/2 of Section 12 and all of Section 13, Township 25 South, Range 34 East, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No. Approval of Non-Standard Spacing Unit requested in this application.
Other Situations	
Depth Severance: Y/N. If yes, description	Yes. COG seeks to pool interests from the base of the Avalon interval of the Bone Spring formation at a stratigraphic equivalent of approximately 10,625' to the base of the Bone Spring formation at a stratigraphic equivalent of approximately 12,671' as shown on the Jamaica 12 Federal 1 well log (API # 30-025-33451).
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-4
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Bandana Fed Com 601H (API # ---) SHL: 2380' FNL & 1475' FEL (Unit G), Section 12, T25S, R34E BHL: 50' FSL & 1000' FEL (Unit P), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,682' TVD)

COG Operating LLC
Case No. 23333 Exhibit D-2

Well #2	Bandana Fed Com 602H (API # ---) SHL: 2380' FNL & 1535' FEL (Unit G), Section 12, T25S, R34E BHL: 50' FSL & 2320' FEL (Unit O), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,654' TVD)
Well #3	Bandana Fed Com 603H (API # ---) SHL: 1896' FNL & 1493' FWL (Unit F), Section 12, T25S, R34E BHL: 50' FSL & 1640' FWL (Unit N), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,631' TVD)
Well #4	Bandana Fed Com 604H (API # ---) SHL: 1861' FNL & 1445' FWL (Unit F), Section 12, T25S, R34E BHL: 50' FSL & 330' FWL (Unit M), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,588' TVD)
Horizontal Well First and Last Take Points	Exhibit A-3
Completion Target (Formation, TVD and MD)	Exhibit A-5
AFE Capex and Operating Costs	
Drilling Supervision/Month $	$8,000.00
Production Supervision/Month $	$800.00
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-2
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C-1, Exhibit C-2, Exhibit C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-6
Pooled Parties (including ownership type)	Exhibit A-4
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	Exhibit A-4
Joinder	
Sample Copy of Proposal Letter	Exhibit A-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-7
Overhead Rates In Proposal Letter	Exhibit A-5
Cost Estimate to Drill and Complete	Exhibit A-5
Cost Estimate to Equip Well	Exhibit A-5
Cost Estimate for Production Facilities	Exhibit A-5
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit B

Target Formation	Exhibit B
HSU Cross Section	Exhibit B-3
Depth Severance Discussion	Exhibit A
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-5
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	*/s/ Dana S. Hardy*
Date:	3/07/2023

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF APPLICATION FOR COMPULSORY POOLING AND APPROVAL OF NON-STANDARD SPACING UNIT SUBMITTED BY COG OPERATING, LLC

CASE NO. 23333
ORDER NO. R-22628-A

ORDER

The Director of the New Mexico Oil Conservation Division ("OCD"), having heard this matter through a Hearing Examiner on March 2, 2023, and after considering the testimony, evidence, and recommendation of the Hearing Examiner, issues the following Order.

FINDINGS OF FACT

1. COG Operating, LLC ("Operator") submitted an application ("Application") to compulsory pool the uncommitted oil and gas interests within the spacing unit ("Unit") described in Exhibit A.

2. On April 16, 2023, OCD issued Order R-22628, which only approved the Composolary Pooling portion of the application.

3. Order R-22628 also had an incorrect Exhibit A attached to it.

4. The Application also seeks approval of a Non-Standard horizontal spacing unit for production from all Division-designated pools underlying the Unit.

5. Operator seeks to be designated the operator of the Unit.

6. Operator will dedicate the well(s) described in Exhibit A ("Well(s)") to the Unit.

7. Operator proposes the supervision and risk charges for the Well(s) described in Exhibit A.

8. Operator identified the owners of uncommitted interests in oil and gas minerals in the Unit and provided evidence that notice was given.

9. Operator identified the owners of interest in the offset oil and gas minerals from the Unit and provided evidence that notice was given.

10. The Application was heard by the Hearing Examiner on the date specified above, during which Operator presented evidence through affidavits in support of the Application. No other party presented evidence at the hearing.

CONCLUSIONS OF LAW

11. OCD has jurisdiction to issue this Order pursuant to NMSA 1978, Section 70-2-17.

12. Operator is the owner of an oil and gas working interest within the Unit.

13. Operator satisfied the notice requirements for the Application and the hearing as required by 19.15.4.12 NMAC.

14. Operator has met the notice requirements for approval of non-standard horizontal spacing units in accordance with 19.15.16.15(B)(5) NMAC.

15. OCD satisfied the notice requirements for the hearing as required by 19.15.4.9 NMAC.

16. Operator has the right to drill the Well(s) to a common source of supply at the depth(s) and location(s) in the Unit described in Exhibit A.

17. OCD's rules allow the approval of a non-standard horizontal spacing unit, after notice and opportunity for hearing, "if necessary to prevent waste or protect correlative rights" 19.15.16.15(B)(5)(a) NMAC.

18. While the OCD is authorized to approve a non-standard spacing unit, Rutter & Wilbanks Corp. v. Oil Conservation Comm'n, 1975-NMSC-006, OCD lacks the authority to approve unitization and will disapprove an application if it determines that it is actually unitization. Order R-13554 (May 18, 2012) (disapproving application for a non-standard spacing unit consisting of 16 standard spacing units).

19. Approval of the Non-Standard Spacing Unit promotes effective well spacing and allows the Operator to therefore prevent waste and protect correlative rights.

20. The Unit contains separately owned uncommitted interests in oil and gas minerals.

21. Some of the owners of the uncommitted interests have not agreed to commit their interests to the Unit.

22. The pooling of uncommitted interests in the Unit will prevent waste and protect correlative rights, including the drilling of unnecessary wells.

23. This Order affords to the owner of an uncommitted interest the opportunity to produce his just and equitable share of the oil or gas in the pool.

ORDER

24. Order R-22628 is hereby superseded by this Order.

25. The Unit is approved as a non-standard horizontal spacing unit.

26. Operator shall file Forms C-102 reflecting the correct acreage dedicated for each of the Wells.

27. The uncommitted interests in the Unit are pooled as set forth in Exhibit A.

28. The Unit shall be dedicated to the Well(s) set forth in Exhibit A.

29. Operator is designated as operator of the Unit and the Well(s).

30. If the location of a well will be unorthodox under the spacing rules in effect at the time of completion, Operator shall obtain the OCD's approval for a non-standard location in accordance with 19.15.16.15(C) NMAC.

31. The Operator shall commence drilling the Well(s) within one year after the date of this Order, and complete each Well no later than one (1) year after the commencement of drilling the Well.

32. This Order shall terminate automatically if Operator fails to comply with Paragraph 31 unless Operator obtains an extension by amending this Order for good cause shown.

33. The infill well requirements in 19.15.13.9 NMAC through 19.15.13.12 NMAC shall be applicable.

34. Operator shall submit each owner of an uncommitted working interest in the pool ("Pooled Working Interest") an itemized schedule of estimated costs to drill, complete, and equip the well ("Estimated Well Costs").

35. No later than thirty (30) days after Operator submits the Estimated Well Costs, the owner of a Pooled Working Interest shall elect whether to pay its share of the Estimated Well Costs or its share of the actual costs to drill, complete and equip the well ("Actual Well Costs") out of production from the well. An owner of a Pooled Working Interest who elects to pay its share of the Estimated Well Costs shall render payment to Operator no later than thirty (30) days after the expiration of the election period, and shall be liable for operating costs, but not risk charges, for the well. An owner of a Pooled Working Interest who fails to pay its share of the Estimated Well Costs or who elects to pay its share of the Actual Well Costs out of production from the well shall be considered to be a "Non-Consenting Pooled Working Interest."

36. No later than one hundred eighty (180) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the Actual Well Costs. The Actual Well Costs shall be considered to be the Reasonable Well Costs unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written

objection, OCD shall determine the Reasonable Well Costs after public notice and hearing.

37. No later than sixty (60) days after the expiration of the period to file a written objection to the Actual Well Costs or OCD's order determining the Reasonable Well Costs, whichever is later, each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs shall pay to Operator its share of the Reasonable Well Costs that exceed the Estimated Well Costs, or Operator shall pay to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs its share of the Estimated Well Costs that exceed the Reasonable Well Costs.

38. The reasonable charges for supervision to drill and produce a well ("Supervision Charges") shall not exceed the rates specified in Exhibit A, provided however that the rates shall be adjusted annually pursuant to the COPAS form entitled "Accounting Procedure-Joint Operations."

39. No later than within ninety (90) days after Operator submits a Form C-105 for a well, Operator shall submit to each owner of a Pooled Working Interest an itemized schedule of the reasonable charges for operating and maintaining the well ("Operating Charges"), provided however that Operating Charges shall not include the Reasonable Well Costs or Supervision Charges. The Operating Charges shall be considered final unless an owner of a Pooled Working Interest files a written objection no later than forty-five (45) days after receipt of the schedule. If an owner of a Pooled Working Interest files a timely written objection, OCD shall determine the Operating Charges after public notice and hearing.

40. Operator may withhold the following costs and charges from the share of production due to each owner of a Pooled Working Interest who paid its share of the Estimated Well Costs: (a) the proportionate share of the Supervision Charges; and (b) the proportionate share of the Operating Charges.

41. Operator may withhold the following costs and charges from the share of production due to each owner of a Non-Consenting Pooled Working Interest: (a) the proportionate share of the Reasonable Well Costs; (b) the proportionate share of the Supervision and Operating Charges; and (c) the percentage of the Reasonable Well Costs specified as the charge for risk described in Exhibit A.

42. Operator shall distribute a proportionate share of the costs and charges withheld pursuant to paragraph 38 to each Pooled Working Interest that paid its share of the Estimated Well Costs.

43. Each year on the anniversary of this Order, and no later than ninety (90) days after each payout, Operator shall provide to each owner of a Non-Consenting Pooled Working Interest a schedule of the revenue attributable to a well and the Supervision and Operating Costs charged against that revenue.

44. Any cost or charge that is paid out of production shall be withheld only from the share due to an owner of a Pooled Working Interest. No cost or charge shall be withheld from the share due to an owner of a royalty interests. For the purpose of this Order, an unleased mineral interest shall consist of a seven-eighths (7/8) working interest and a one-eighth (1/8) royalty interest.

45. Except as provided above, Operator shall hold the revenue attributable to a well that is not disbursed for any reason for the account of the person(s) entitled to the revenue as provided in the Oil and Gas Proceeds Payment Act, NMSA 1978, Sections 70-10-1 *et seq.*, and relinquish such revenue as provided in the Uniform Unclaimed Property Act, NMSA 1978, Sections 7-8A-1 *et seq.*

46. The Unit shall terminate if (a) the owners of all Pooled Working Interests reach a voluntary agreement; or (b) the well(s) drilled on the Unit are plugged and abandoned in accordance with the applicable rules. Operator shall inform OCD no later than thirty (30) days after such occurrence.

47. OCD retains jurisdiction of this matter for the entry of such orders as may be deemed necessary.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Date: 4/30/2023

DYLAN M FUGE
DIRECTOR (ACTING)
DMF/jag

Exhibit A

Received by OCD: 7/17/2023 9:35:33 AM

COMPULSORY POOLING APPLICATION CHECKLIST	
ALL INFORMATION IN THE APPLICATION MUST BE SUPPORTED BY SIGNED AFFIDAVITS	
Case: 23333	**APPLICANT'S RESPONSE**
Date	**March 2, 2023**
Applicant	**COG Operating LLC**
Designated Operator & OGRID (affiliation if applicable)	**OGRID No. 229137**
Applicant's Counsel:	Hinkle Shanor LLP
Case Title:	Application of COG Operating LLC for Compulsory Pooling and Approval of Non-Standard Spacing Unit, Lea County, New Mexico
Entries of Appearance/Intervenors:	None
Well Family	Bandana
Formation/Pool	
Formation Name(s) or Vertical Extent:	Bone Spring
Primary Product (Oil or Gas):	Oil
Pooling this vertical extent:	Base of the Avalon interval of the Bone Spring Formation to the base of the Bone Spring Formation
Pool Name and Pool Code:	Fairview Mills; Bone Spring Pool (Code 96340)
Well Location Setback Rules:	Statewide
Spacing Unit	
Type (Horizontal/Vertical)	Horizontal
Size (Acres)	960 acres
Building Blocks:	quarter-quarter
Orientation:	North/South
Description: TRS/County	S/2 of Section 12 and all of Section 13, Township 25 South, Range 34 East, Lea County
Standard Horizontal Well Spacing Unit (Y/N), If No, describe and is approval of non-standard unit requested in this application?	No. Approval of Non-Standard Spacing Unit requested in this application.
Other Situations	
Depth Severance: Y/N. If yes, description	Yes. COG seeks to pool interests from the base of the Avalon interval of the Bone Spring formation at a stratigraphic equivalent of approximately 10,625' to the base of the Bone Spring formation at a stratigraphic equivalent of approximately 12,671' as shown on the Jamaica 12 Federal 1 well log (API # 30-025-33451).
Proximity Tracts: If yes, description	No
Proximity Defining Well: if yes, description	N/A
Applicant's Ownership in Each Tract	Exhibit A-4
Well(s)	
Name & API (if assigned), surface and bottom hole location, footages, completion target, orientation, completion status (standard or non-standard)	Add wells as needed
Well #1	Bandana Fed Com 601H (API # ---) SHL: 2380' FNL & 1475' FEL (Unit G), Section 12, T25S, R34E BHL: 50' FSL & 1000' FEL (Unit P), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,682' TVD)

COG Operating LLC
Case No. 23333 Exhibit D-2

Well #2	Bandana Fed Com 602H (API # ---) SHL: 2380' FNL & 1535' FEL (Unit G), Section 12, T25S, R34E BHL: 50' FSL & 2320' FEL (Unit O), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,654' TVD)
Well #3	Bandana Fed Com 603H (API # ---) SHL: 1896' FNL & 1493' FWL (Unit F), Section 12, T25S, R34E BHL: 50' FSL & 1640' FWL (Unit N), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,631' TVD)
Well #4	Bandana Fed Com 604H (API # ---) SHL: 1861' FNL & 1445' FWL (Unit F), Section 12, T25S, R34E BHL: 50' FSL & 330' FWL (Unit M), Section 13, T25S, R34E Completion Target: Bone Spring (Approx. 12,588' TVD)
Horizontal Well First and Last Take Points	Exhibit A-3
Completion Target (Formation, TVD and MD)	Exhibit A-5
AFE Capex and Operating Costs	
Drilling Supervision/Month $	$8,000.00
Production Supervision/Month $	$800.00
Justification for Supervision Costs	Exhibit A
Requested Risk Charge	200%
Notice of Hearing	
Proposed Notice of Hearing	Exhibit A-2
Proof of Mailed Notice of Hearing (20 days before hearing)	Exhibit C-1, Exhibit C-2, Exhibit C-3
Proof of Published Notice of Hearing (10 days before hearing)	Exhibit C-4
Ownership Determination	
Land Ownership Schematic of the Spacing Unit	Exhibit A-4
Tract List (including lease numbers and owners)	Exhibit A-4
If approval of Non-Standard Spacing Unit is requested, Tract List (including lease numbers and owners) of Tracts subject to notice requirements.	Exhibit A-6
Pooled Parties (including ownership type)	Exhibit A-4
Unlocatable Parties to be Pooled	N/A
Ownership Depth Severance (including percentage above & below)	Exhibit A-4
Joinder	
Sample Copy of Proposal Letter	Exhibit A-5
List of Interest Owners (ie Exhibit A of JOA)	Exhibit A-4
Chronology of Contact with Non-Joined Working Interests	Exhibit A-7
Overhead Rates In Proposal Letter	Exhibit A-5
Cost Estimate to Drill and Complete	Exhibit A-5
Cost Estimate to Equip Well	Exhibit A-5
Cost Estimate for Production Facilities	Exhibit A-5
Geology	
Summary (including special considerations)	Exhibit B
Spacing Unit Schematic	Exhibit B-1
Gunbarrel/Lateral Trajectory Schematic	N/A
Well Orientation (with rationale)	Exhibit B

Target Formation	Exhibit B
HSU Cross Section	Exhibit B-3
Depth Severance Discussion	Exhibit A
Forms, Figures and Tables	
C-102	Exhibit A-3
Tracts	Exhibit A-4
Summary of Interests, Unit Recapitulation (Tracts)	Exhibit A-5
General Location Map (including basin)	Exhibit B-1
Well Bore Location Map	Exhibit B-1
Structure Contour Map - Subsea Depth	Exhibit B-2
Cross Section Location Map (including wells)	Exhibit B-3
Cross Section (including Landing Zone)	Exhibit B-4
Additional Information	
Special Provisions/Stipulations	N/A
CERTIFICATION: I hereby certify that the information provided in this checklist is complete and accurate.	
Printed Name (Attorney or Party Representative):	Dana S. Hardy
Signed Name (Attorney or Party Representative):	*/s/ Dana S. Hardy*
Date:	3/07/2023

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

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

CONDITIONS

Action 240860

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 240860
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	8/11/2023