

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.

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off	
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity	
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other	
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon		
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal		

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

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

THE SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENE / 270 FNL / 1310 FEL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311278 / LONG: -103.607162 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 1000 FEL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311742 / LONG: -103.606159 (TVD: 12308 feet, MD: 12371 feet)

PPP: NENE / 1 FNL / 1000 FEL / TWSP: 23S / RANGE: 33E / SECTION: 19 / LAT: 32.297511 / LONG: -103.606145 (TVD: 12492 feet, MD: 17600 feet)

BHL: SESE / 1370 FSL / 1000 FEL / TWSP: 23S / RANGE: 33E / SECTION: 30 / LAT: 32.272244 / LONG: -103.60612 (TVD: 12535 feet, MD: 26629 feet)

CONFIDENTIAL

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) 746-1283 Fax: (575) 746-9720

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 30-025-50279	Pool Code 98177	Pool Name WC-025 G-09 S223332A; UPR WOLFCAMP
Property Code 332964	Property Name MEAT LOVER FEDERAL COM	Well Number 602H
OGRID No. 229137	Operator Name COG OPERATING LLC	Elevation 3716.5'

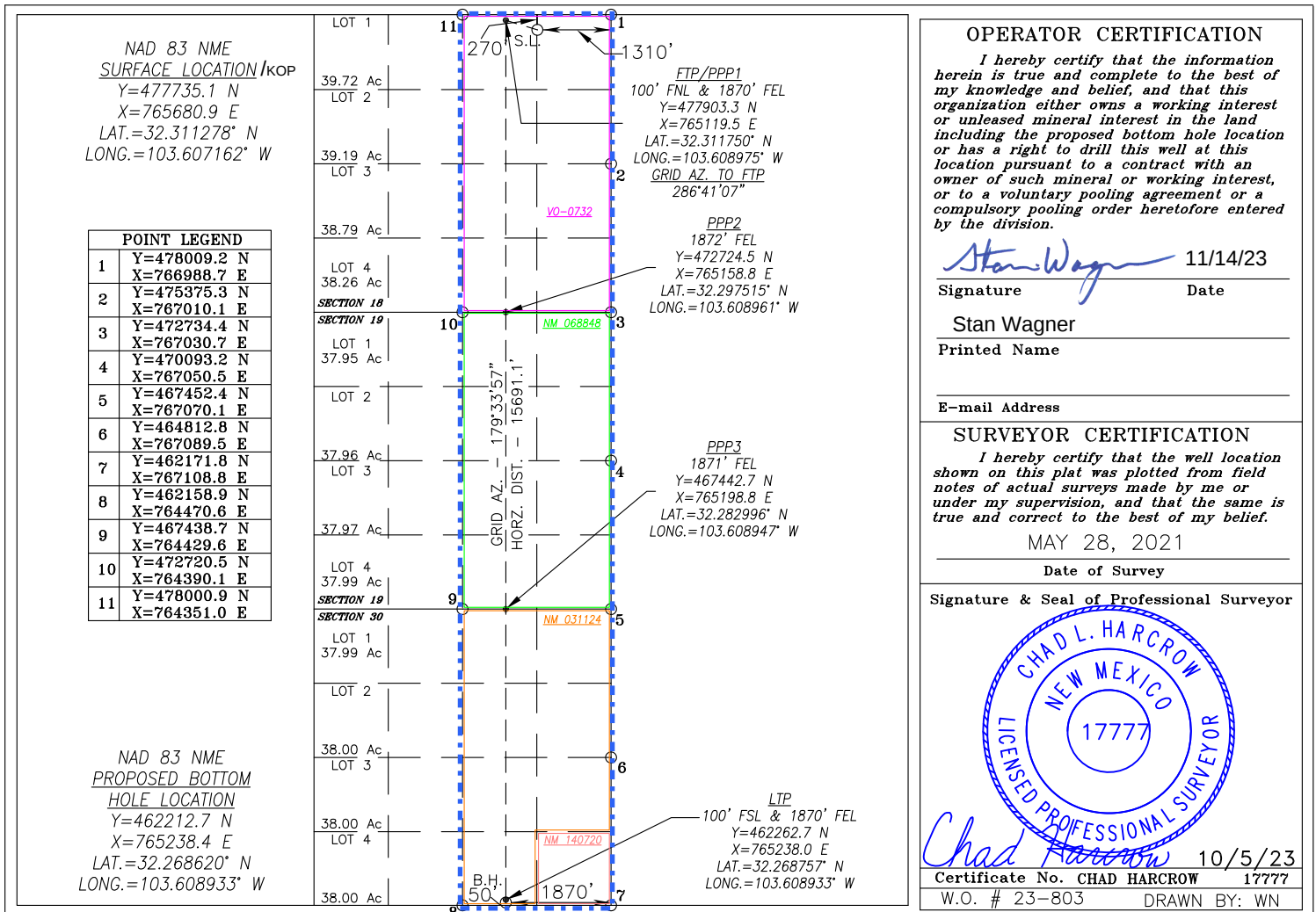
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	18	23-S	33-E		270	NORTH	1310	EAST	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
0	30	23-S	33-E		50	SOUTH	1870	EAST	LEA
Dedicated Acres 960	Joint or Infill	Consolidation Code Com	Order No.						

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



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST

MEAT LOVER FED COM PROJECT

**MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM
#602H**

OWB

Plan: PWP4

Standard Planning Report

14 November, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

Project	LEA COUNTY SOUTHEAST		
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		MEAT LOVER FED COM PROJECT			
Site Position:		Northing:	477,926.73 usft	Latitude:	32° 18' 42.901 N
From:	Map	Easting:	720,599.28 usft	Longitude:	103° 37' 9.447 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "		

Well	MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H					
Well Position	+N/-S	0.0 usft	Northing:	477,675.40 usft	Latitude:	32° 18' 40.155 N
	+E/-W	0.0 usft	Easting:	724,497.60 usft	Longitude:	103° 36' 24.044 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,716.5 usft
Grid Convergence:		0.39 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	4/25/2022	6.47	59.98	47,667.87671005

Design	PWP4			
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	181.63

Plan Survey Tool Program	Date	11/14/2023			
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	27,984.8 PWP4 (OWB)	r.5 MWD+IFR1		
			OWSG MWD + IFR1 rev.5		

ConocoPhillips
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Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,100.0	6.00	260.00	2,098.9	-5.5	-30.9	1.00	1.00	0.00	260.00	
2,320.3	8.00	293.00	2,317.7	-1.5	-56.4	2.00	0.91	14.98	80.58	
5,857.1	8.00	293.00	5,820.0	190.9	-509.5	0.00	0.00	0.00	0.00	
6,657.1	0.00	0.00	6,617.4	212.7	-560.8	1.00	-1.00	8.38	180.00	
11,977.2	0.00	0.00	11,937.5	212.7	-560.8	0.00	0.00	0.00	0.00	
12,727.2	90.00	179.57	12,415.0	-264.8	-557.2	12.00	12.00	23.94	179.57	
27,984.8	90.00	179.57	12,415.0	-15,522.0	-442.8	0.00	0.00	0.00	0.00	

ConocoPhillips

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Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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	1.00	260.00	1,600.0	-0.2	-0.9	0.2	1.00	1.00	0.00	
1,700.0	2.00	260.00	1,700.0	-0.6	-3.4	0.7	1.00	1.00	0.00	
1,800.0	3.00	260.00	1,799.9	-1.4	-7.7	1.6	1.00	1.00	0.00	
1,900.0	4.00	260.00	1,899.7	-2.4	-13.7	2.8	1.00	1.00	0.00	
2,000.0	5.00	260.00	1,999.4	-3.8	-21.5	4.4	1.00	1.00	0.00	
2,100.0	6.00	260.00	2,098.9	-5.5	-30.9	6.3	1.00	1.00	0.00	
2,200.0	6.63	277.36	2,198.3	-5.6	-41.8	6.8	2.00	0.63	17.36	
2,300.0	7.73	290.76	2,297.5	-2.5	-53.8	4.0	2.00	1.11	13.40	
2,320.3	8.00	293.00	2,317.7	-1.5	-56.4	3.1	2.00	1.31	11.02	
2,400.0	8.00	293.00	2,396.6	2.9	-66.6	-1.0	0.00	0.00	0.00	
2,500.0	8.00	293.00	2,495.6	8.3	-79.4	-6.0	0.00	0.00	0.00	
2,600.0	8.00	293.00	2,594.6	13.8	-92.2	-11.1	0.00	0.00	0.00	
2,700.0	8.00	293.00	2,693.6	19.2	-105.0	-16.2	0.00	0.00	0.00	
2,800.0	8.00	293.00	2,792.7	24.6	-117.8	-21.3	0.00	0.00	0.00	
2,900.0	8.00	293.00	2,891.7	30.1	-130.6	-26.3	0.00	0.00	0.00	
3,000.0	8.00	293.00	2,990.7	35.5	-143.4	-31.4	0.00	0.00	0.00	
3,100.0	8.00	293.00	3,089.7	40.9	-156.3	-36.5	0.00	0.00	0.00	
3,200.0	8.00	293.00	3,188.8	46.4	-169.1	-41.5	0.00	0.00	0.00	
3,300.0	8.00	293.00	3,287.8	51.8	-181.9	-46.6	0.00	0.00	0.00	
3,400.0	8.00	293.00	3,386.8	57.3	-194.7	-51.7	0.00	0.00	0.00	
3,500.0	8.00	293.00	3,485.9	62.7	-207.5	-56.7	0.00	0.00	0.00	
3,600.0	8.00	293.00	3,584.9	68.1	-220.3	-61.8	0.00	0.00	0.00	
3,700.0	8.00	293.00	3,683.9	73.6	-233.1	-66.9	0.00	0.00	0.00	
3,800.0	8.00	293.00	3,782.9	79.0	-245.9	-72.0	0.00	0.00	0.00	
3,900.0	8.00	293.00	3,882.0	84.4	-258.7	-77.0	0.00	0.00	0.00	
4,000.0	8.00	293.00	3,981.0	89.9	-271.6	-82.1	0.00	0.00	0.00	
4,100.0	8.00	293.00	4,080.0	95.3	-284.4	-87.2	0.00	0.00	0.00	
4,200.0	8.00	293.00	4,179.0	100.8	-297.2	-92.2	0.00	0.00	0.00	
4,300.0	8.00	293.00	4,278.1	106.2	-310.0	-97.3	0.00	0.00	0.00	
4,400.0	8.00	293.00	4,377.1	111.6	-322.8	-102.4	0.00	0.00	0.00	
4,500.0	8.00	293.00	4,476.1	117.1	-335.6	-107.5	0.00	0.00	0.00	
4,600.0	8.00	293.00	4,575.2	122.5	-348.4	-112.5	0.00	0.00	0.00	
4,700.0	8.00	293.00	4,674.2	127.9	-361.2	-117.6	0.00	0.00	0.00	
4,800.0	8.00	293.00	4,773.2	133.4	-374.0	-122.7	0.00	0.00	0.00	
4,900.0	8.00	293.00	4,872.2	138.8	-386.9	-127.7	0.00	0.00	0.00	
5,000.0	8.00	293.00	4,971.3	144.3	-399.7	-132.8	0.00	0.00	0.00	
5,100.0	8.00	293.00	5,070.3	149.7	-412.5	-137.9	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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	8.00	293.00	5,169.3	155.1	-425.3	-142.9	0.00	0.00	0.00	
5,300.0	8.00	293.00	5,268.3	160.6	-438.1	-148.0	0.00	0.00	0.00	
5,400.0	8.00	293.00	5,367.4	166.0	-450.9	-153.1	0.00	0.00	0.00	
5,500.0	8.00	293.00	5,466.4	171.5	-463.7	-158.2	0.00	0.00	0.00	
5,600.0	8.00	293.00	5,565.4	176.9	-476.5	-163.2	0.00	0.00	0.00	
5,700.0	8.00	293.00	5,664.4	182.3	-489.3	-168.3	0.00	0.00	0.00	
5,800.0	8.00	293.00	5,763.5	187.8	-502.2	-173.4	0.00	0.00	0.00	
5,857.1	8.00	293.00	5,820.0	190.9	-509.5	-176.3	0.00	0.00	0.00	
5,900.0	7.57	293.00	5,862.5	193.1	-514.8	-178.4	1.00	-1.00	0.00	
6,000.0	6.57	293.00	5,961.8	197.9	-526.2	-182.9	1.00	-1.00	0.00	
6,100.0	5.57	293.00	6,061.2	202.1	-535.9	-186.7	1.00	-1.00	0.00	
6,200.0	4.57	293.00	6,160.8	205.5	-544.0	-189.9	1.00	-1.00	0.00	
6,300.0	3.57	293.00	6,260.6	208.3	-550.6	-192.5	1.00	-1.00	0.00	
6,400.0	2.57	293.00	6,360.4	210.4	-555.5	-194.5	1.00	-1.00	0.00	
6,500.0	1.57	293.00	6,460.3	211.8	-558.8	-195.8	1.00	-1.00	0.00	
6,600.0	0.57	293.00	6,560.3	212.5	-560.5	-196.5	1.00	-1.00	0.00	
6,657.1	0.00	0.00	6,617.4	212.7	-560.8	-196.6	1.00	-1.00	117.37	
6,700.0	0.00	0.00	6,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
6,900.0	0.00	0.00	6,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,960.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,060.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,160.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,260.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,400.0	0.00	0.00	7,360.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,500.0	0.00	0.00	7,460.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,560.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,960.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,060.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,160.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,260.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,360.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,460.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,560.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,960.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,060.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,160.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,260.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,360.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,460.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,560.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,960.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,060.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,160.3	212.7	-560.8	-196.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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)	
10,300.0	0.00	0.00	10,260.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,360.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,460.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,560.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,960.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,060.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,160.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,260.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,360.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,460.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,560.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,660.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,760.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,860.3	212.7	-560.8	-196.6	0.00	0.00	0.00	
11,977.2	0.00	0.00	11,937.5	212.7	-560.8	-196.6	0.00	0.00	0.00	
12,000.0	2.74	179.57	11,960.3	212.1	-560.8	-196.0	12.00	12.00	786.90	
12,025.0	5.74	179.57	11,985.2	210.3	-560.8	-194.2	12.00	12.00	0.00	
12,050.0	8.74	179.57	12,010.0	207.1	-560.8	-191.0	12.00	12.00	0.00	
12,075.0	11.74	179.57	12,034.6	202.7	-560.7	-186.6	12.00	12.00	0.00	
12,100.0	14.74	179.57	12,059.0	196.9	-560.7	-180.9	12.00	12.00	0.00	
12,125.0	17.74	179.57	12,083.0	190.0	-560.6	-173.9	12.00	12.00	0.00	
12,150.0	20.74	179.57	12,106.6	181.7	-560.6	-165.7	12.00	12.00	0.00	
12,175.0	23.74	179.57	12,129.7	172.3	-560.5	-156.2	12.00	12.00	0.00	
12,200.0	26.74	179.57	12,152.3	161.6	-560.4	-145.6	12.00	12.00	0.00	
12,225.0	29.74	179.57	12,174.3	149.8	-560.3	-133.7	12.00	12.00	0.00	
12,250.0	32.74	179.57	12,195.7	136.8	-560.2	-120.8	12.00	12.00	0.00	
12,275.0	35.74	179.57	12,216.4	122.7	-560.1	-106.7	12.00	12.00	0.00	
12,300.0	38.74	179.57	12,236.3	107.6	-560.0	-91.6	12.00	12.00	0.00	
12,325.0	41.74	179.57	12,255.4	91.5	-559.9	-75.5	12.00	12.00	0.00	
12,350.0	44.74	179.57	12,273.6	74.4	-559.8	-58.4	12.00	12.00	0.00	
12,375.0	47.74	179.57	12,290.9	56.3	-559.6	-40.3	12.00	12.00	0.00	
12,400.0	50.74	179.57	12,307.2	37.4	-559.5	-21.4	12.00	12.00	0.00	
12,425.0	53.74	179.57	12,322.5	17.6	-559.3	-1.6	12.00	12.00	0.00	
12,450.0	56.74	179.57	12,336.7	-2.9	-559.2	18.9	12.00	12.00	0.00	
12,475.0	59.74	179.57	12,349.9	-24.2	-559.0	40.1	12.00	12.00	0.00	
12,500.0	62.74	179.57	12,361.9	-46.1	-558.9	62.0	12.00	12.00	0.00	
12,525.0	65.74	179.57	12,372.8	-68.6	-558.7	84.5	12.00	12.00	0.00	
12,550.0	68.74	179.57	12,382.5	-91.7	-558.5	107.5	12.00	12.00	0.00	
12,575.0	71.74	179.57	12,390.9	-115.2	-558.3	131.1	12.00	12.00	0.00	
12,600.0	74.74	179.57	12,398.1	-139.1	-558.2	155.0	12.00	12.00	0.00	
12,625.0	77.74	179.57	12,404.1	-163.4	-558.0	179.2	12.00	12.00	0.00	
12,650.0	80.74	179.57	12,408.7	-188.0	-557.8	203.8	12.00	12.00	0.00	
12,675.0	83.74	179.57	12,412.1	-212.7	-557.6	228.5	12.00	12.00	0.00	
12,700.0	86.74	179.57	12,414.2	-237.6	-557.4	253.4	12.00	12.00	0.00	
12,727.2	90.00	179.57	12,415.0	-264.8	-557.2	280.6	12.00	12.00	0.00	
12,800.0	90.00	179.57	12,415.0	-337.6	-556.7	353.4	0.00	0.00	0.00	
12,900.0	90.00	179.57	12,415.0	-437.6	-555.9	453.3	0.00	0.00	0.00	
13,000.0	90.00	179.57	12,415.0	-537.6	-555.2	553.2	0.00	0.00	0.00	
13,100.0	90.00	179.57	12,415.0	-637.6	-554.4	653.2	0.00	0.00	0.00	
13,200.0	90.00	179.57	12,415.0	-737.6	-553.7	753.1	0.00	0.00	0.00	

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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)
13,300.0	90.00	179.57	12,415.0	-837.6	-552.9	853.0	0.00	0.00	0.00
13,400.0	90.00	179.57	12,415.0	-937.6	-552.2	953.0	0.00	0.00	0.00
13,500.0	90.00	179.57	12,415.0	-1,037.6	-551.4	1,052.9	0.00	0.00	0.00
13,600.0	90.00	179.57	12,415.0	-1,137.6	-550.7	1,152.8	0.00	0.00	0.00
13,700.0	90.00	179.57	12,415.0	-1,237.6	-549.9	1,252.8	0.00	0.00	0.00
13,800.0	90.00	179.57	12,415.0	-1,337.6	-549.2	1,352.7	0.00	0.00	0.00
13,900.0	90.00	179.57	12,415.0	-1,437.6	-548.4	1,452.6	0.00	0.00	0.00
14,000.0	90.00	179.57	12,415.0	-1,537.6	-547.7	1,552.6	0.00	0.00	0.00
14,100.0	90.00	179.57	12,415.0	-1,637.6	-546.9	1,652.5	0.00	0.00	0.00
14,200.0	90.00	179.57	12,415.0	-1,737.6	-546.2	1,752.4	0.00	0.00	0.00
14,300.0	90.00	179.57	12,415.0	-1,837.6	-545.4	1,852.4	0.00	0.00	0.00
14,400.0	90.00	179.57	12,415.0	-1,937.6	-544.7	1,952.3	0.00	0.00	0.00
14,500.0	90.00	179.57	12,415.0	-2,037.6	-543.9	2,052.2	0.00	0.00	0.00
14,600.0	90.00	179.57	12,415.0	-2,137.6	-543.2	2,152.2	0.00	0.00	0.00
14,700.0	90.00	179.57	12,415.0	-2,237.6	-542.4	2,252.1	0.00	0.00	0.00
14,800.0	90.00	179.57	12,415.0	-2,337.6	-541.7	2,352.1	0.00	0.00	0.00
14,900.0	90.00	179.57	12,415.0	-2,437.6	-540.9	2,452.0	0.00	0.00	0.00
15,000.0	90.00	179.57	12,415.0	-2,537.6	-540.2	2,551.9	0.00	0.00	0.00
15,100.0	90.00	179.57	12,415.0	-2,637.5	-539.4	2,651.9	0.00	0.00	0.00
15,200.0	90.00	179.57	12,415.0	-2,737.5	-538.7	2,751.8	0.00	0.00	0.00
15,300.0	90.00	179.57	12,415.0	-2,837.5	-537.9	2,851.7	0.00	0.00	0.00
15,400.0	90.00	179.57	12,415.0	-2,937.5	-537.2	2,951.7	0.00	0.00	0.00
15,500.0	90.00	179.57	12,415.0	-3,037.5	-536.4	3,051.6	0.00	0.00	0.00
15,600.0	90.00	179.57	12,415.0	-3,137.5	-535.7	3,151.5	0.00	0.00	0.00
15,700.0	90.00	179.57	12,415.0	-3,237.5	-534.9	3,251.5	0.00	0.00	0.00
15,800.0	90.00	179.57	12,415.0	-3,337.5	-534.2	3,351.4	0.00	0.00	0.00
15,900.0	90.00	179.57	12,415.0	-3,437.5	-533.4	3,451.3	0.00	0.00	0.00
16,000.0	90.00	179.57	12,415.0	-3,537.5	-532.7	3,551.3	0.00	0.00	0.00
16,100.0	90.00	179.57	12,415.0	-3,637.5	-531.9	3,651.2	0.00	0.00	0.00
16,200.0	90.00	179.57	12,415.0	-3,737.5	-531.2	3,751.1	0.00	0.00	0.00
16,300.0	90.00	179.57	12,415.0	-3,837.5	-530.4	3,851.1	0.00	0.00	0.00
16,400.0	90.00	179.57	12,415.0	-3,937.5	-529.7	3,951.0	0.00	0.00	0.00
16,500.0	90.00	179.57	12,415.0	-4,037.5	-528.9	4,051.0	0.00	0.00	0.00
16,600.0	90.00	179.57	12,415.0	-4,137.5	-528.2	4,150.9	0.00	0.00	0.00
16,700.0	90.00	179.57	12,415.0	-4,237.5	-527.4	4,250.8	0.00	0.00	0.00
16,800.0	90.00	179.57	12,415.0	-4,337.5	-526.7	4,350.8	0.00	0.00	0.00
16,900.0	90.00	179.57	12,415.0	-4,437.5	-525.9	4,450.7	0.00	0.00	0.00
17,000.0	90.00	179.57	12,415.0	-4,537.5	-525.2	4,550.6	0.00	0.00	0.00
17,100.0	90.00	179.57	12,415.0	-4,637.5	-524.4	4,650.6	0.00	0.00	0.00
17,200.0	90.00	179.57	12,415.0	-4,737.5	-523.7	4,750.5	0.00	0.00	0.00
17,300.0	90.00	179.57	12,415.0	-4,837.5	-522.9	4,850.4	0.00	0.00	0.00
17,400.0	90.00	179.57	12,415.0	-4,937.5	-522.2	4,950.4	0.00	0.00	0.00
17,500.0	90.00	179.57	12,415.0	-5,037.5	-521.4	5,050.3	0.00	0.00	0.00
17,600.0	90.00	179.57	12,415.0	-5,137.5	-520.7	5,150.2	0.00	0.00	0.00
17,700.0	90.00	179.57	12,415.0	-5,237.5	-519.9	5,250.2	0.00	0.00	0.00
17,800.0	90.00	179.57	12,415.0	-5,337.5	-519.2	5,350.1	0.00	0.00	0.00
17,900.0	90.00	179.57	12,415.0	-5,437.5	-518.4	5,450.0	0.00	0.00	0.00
18,000.0	90.00	179.57	12,415.0	-5,537.5	-517.7	5,550.0	0.00	0.00	0.00
18,100.0	90.00	179.57	12,415.0	-5,637.5	-516.9	5,649.9	0.00	0.00	0.00
18,200.0	90.00	179.57	12,415.0	-5,737.5	-516.2	5,749.8	0.00	0.00	0.00
18,300.0	90.00	179.57	12,415.0	-5,837.5	-515.4	5,849.8	0.00	0.00	0.00
18,400.0	90.00	179.57	12,415.0	-5,937.5	-514.7	5,949.7	0.00	0.00	0.00
18,500.0	90.00	179.57	12,415.0	-6,037.5	-513.9	6,049.7	0.00	0.00	0.00

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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)	
18,600.0	90.00	179.57	12,415.0	-6,137.5	-513.2	6,149.6	0.00	0.00	0.00	
18,700.0	90.00	179.57	12,415.0	-6,237.4	-512.4	6,249.5	0.00	0.00	0.00	
18,800.0	90.00	179.57	12,415.0	-6,337.4	-511.7	6,349.5	0.00	0.00	0.00	
18,900.0	90.00	179.57	12,415.0	-6,437.4	-510.9	6,449.4	0.00	0.00	0.00	
19,000.0	90.00	179.57	12,415.0	-6,537.4	-510.2	6,549.3	0.00	0.00	0.00	
19,100.0	90.00	179.57	12,415.0	-6,637.4	-509.4	6,649.3	0.00	0.00	0.00	
19,200.0	90.00	179.57	12,415.0	-6,737.4	-508.7	6,749.2	0.00	0.00	0.00	
19,300.0	90.00	179.57	12,415.0	-6,837.4	-507.9	6,849.1	0.00	0.00	0.00	
19,400.0	90.00	179.57	12,415.0	-6,937.4	-507.2	6,949.1	0.00	0.00	0.00	
19,500.0	90.00	179.57	12,415.0	-7,037.4	-506.4	7,049.0	0.00	0.00	0.00	
19,600.0	90.00	179.57	12,415.0	-7,137.4	-505.7	7,148.9	0.00	0.00	0.00	
19,700.0	90.00	179.57	12,415.0	-7,237.4	-504.9	7,248.9	0.00	0.00	0.00	
19,800.0	90.00	179.57	12,415.0	-7,337.4	-504.2	7,348.8	0.00	0.00	0.00	
19,900.0	90.00	179.57	12,415.0	-7,437.4	-503.4	7,448.7	0.00	0.00	0.00	
20,000.0	90.00	179.57	12,415.0	-7,537.4	-502.7	7,548.7	0.00	0.00	0.00	
20,100.0	90.00	179.57	12,415.0	-7,637.4	-501.9	7,648.6	0.00	0.00	0.00	
20,200.0	90.00	179.57	12,415.0	-7,737.4	-501.2	7,748.6	0.00	0.00	0.00	
20,300.0	90.00	179.57	12,415.0	-7,837.4	-500.4	7,848.5	0.00	0.00	0.00	
20,400.0	90.00	179.57	12,415.0	-7,937.4	-499.7	7,948.4	0.00	0.00	0.00	
20,500.0	90.00	179.57	12,415.0	-8,037.4	-498.9	8,048.4	0.00	0.00	0.00	
20,600.0	90.00	179.57	12,415.0	-8,137.4	-498.2	8,148.3	0.00	0.00	0.00	
20,700.0	90.00	179.57	12,415.0	-8,237.4	-497.4	8,248.2	0.00	0.00	0.00	
20,800.0	90.00	179.57	12,415.0	-8,337.4	-496.7	8,348.2	0.00	0.00	0.00	
20,900.0	90.00	179.57	12,415.0	-8,437.4	-495.9	8,448.1	0.00	0.00	0.00	
21,000.0	90.00	179.57	12,415.0	-8,537.4	-495.2	8,548.0	0.00	0.00	0.00	
21,100.0	90.00	179.57	12,415.0	-8,637.4	-494.4	8,648.0	0.00	0.00	0.00	
21,200.0	90.00	179.57	12,415.0	-8,737.4	-493.7	8,747.9	0.00	0.00	0.00	
21,300.0	90.00	179.57	12,415.0	-8,837.4	-492.9	8,847.8	0.00	0.00	0.00	
21,400.0	90.00	179.57	12,415.0	-8,937.4	-492.2	8,947.8	0.00	0.00	0.00	
21,500.0	90.00	179.57	12,415.0	-9,037.4	-491.4	9,047.7	0.00	0.00	0.00	
21,600.0	90.00	179.57	12,415.0	-9,137.4	-490.7	9,147.6	0.00	0.00	0.00	
21,700.0	90.00	179.57	12,415.0	-9,237.4	-489.9	9,247.6	0.00	0.00	0.00	
21,800.0	90.00	179.57	12,415.0	-9,337.4	-489.2	9,347.5	0.00	0.00	0.00	
21,900.0	90.00	179.57	12,415.0	-9,437.4	-488.4	9,447.4	0.00	0.00	0.00	
22,000.0	90.00	179.57	12,415.0	-9,537.4	-487.7	9,547.4	0.00	0.00	0.00	
22,100.0	90.00	179.57	12,415.0	-9,637.4	-487.0	9,647.3	0.00	0.00	0.00	
22,200.0	90.00	179.57	12,415.0	-9,737.3	-486.2	9,747.3	0.00	0.00	0.00	
22,300.0	90.00	179.57	12,415.0	-9,837.3	-485.5	9,847.2	0.00	0.00	0.00	
22,400.0	90.00	179.57	12,415.0	-9,937.3	-484.7	9,947.1	0.00	0.00	0.00	
22,500.0	90.00	179.57	12,415.0	-10,037.3	-484.0	10,047.1	0.00	0.00	0.00	
22,600.0	90.00	179.57	12,415.0	-10,137.3	-483.2	10,147.0	0.00	0.00	0.00	
22,700.0	90.00	179.57	12,415.0	-10,237.3	-482.5	10,246.9	0.00	0.00	0.00	
22,800.0	90.00	179.57	12,415.0	-10,337.3	-481.7	10,346.9	0.00	0.00	0.00	
22,900.0	90.00	179.57	12,415.0	-10,437.3	-481.0	10,446.8	0.00	0.00	0.00	
23,000.0	90.00	179.57	12,415.0	-10,537.3	-480.2	10,546.7	0.00	0.00	0.00	
23,100.0	90.00	179.57	12,415.0	-10,637.3	-479.5	10,646.7	0.00	0.00	0.00	
23,200.0	90.00	179.57	12,415.0	-10,737.3	-478.7	10,746.6	0.00	0.00	0.00	
23,300.0	90.00	179.57	12,415.0	-10,837.3	-478.0	10,846.5	0.00	0.00	0.00	
23,400.0	90.00	179.57	12,415.0	-10,937.3	-477.2	10,946.5	0.00	0.00	0.00	
23,500.0	90.00	179.57	12,415.0	-11,037.3	-476.5	11,046.4	0.00	0.00	0.00	
23,600.0	90.00	179.57	12,415.0	-11,137.3	-475.7	11,146.3	0.00	0.00	0.00	
23,700.0	90.00	179.57	12,415.0	-11,237.3	-475.0	11,246.3	0.00	0.00	0.00	
23,800.0	90.00	179.57	12,415.0	-11,337.3	-474.2	11,346.2	0.00	0.00	0.00	

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Planning Report

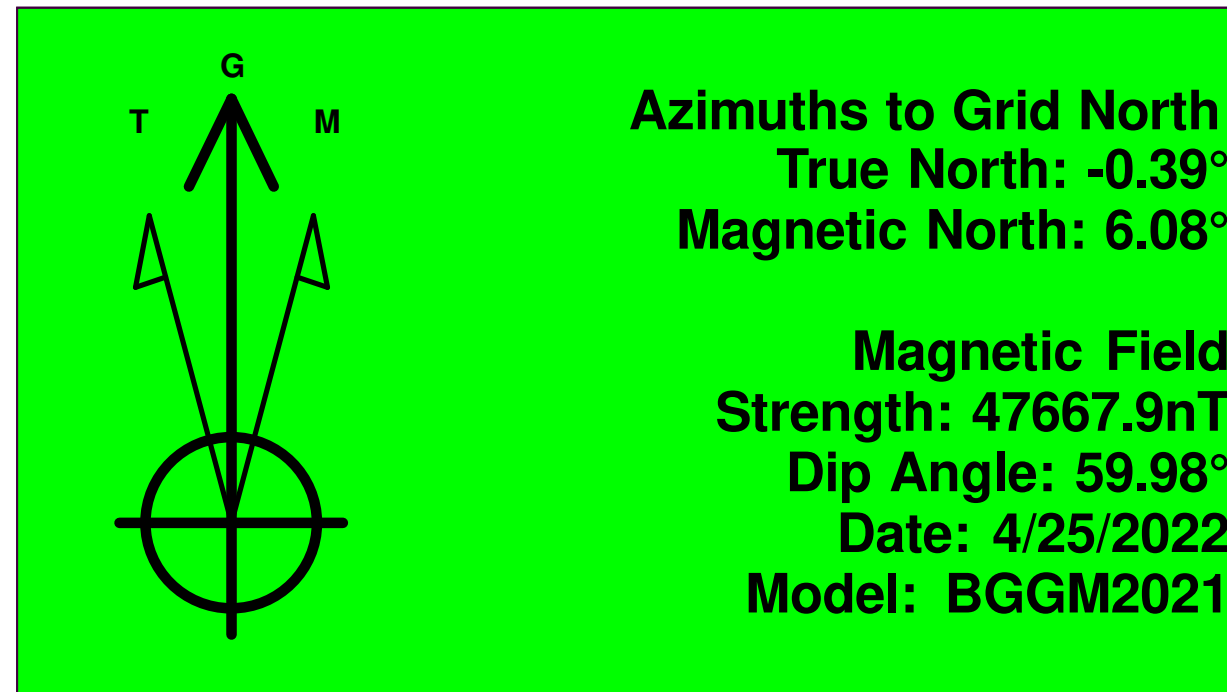
Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

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)	
23,900.0	90.00	179.57	12,415.0	-11,437.3	-473.5	11,446.2	0.00	0.00	0.00	
24,000.0	90.00	179.57	12,415.0	-11,537.3	-472.7	11,546.1	0.00	0.00	0.00	
24,100.0	90.00	179.57	12,415.0	-11,637.3	-472.0	11,646.0	0.00	0.00	0.00	
24,200.0	90.00	179.57	12,415.0	-11,737.3	-471.2	11,746.0	0.00	0.00	0.00	
24,300.0	90.00	179.57	12,415.0	-11,837.3	-470.5	11,845.9	0.00	0.00	0.00	
24,400.0	90.00	179.57	12,415.0	-11,937.3	-469.7	11,945.8	0.00	0.00	0.00	
24,500.0	90.00	179.57	12,415.0	-12,037.3	-469.0	12,045.8	0.00	0.00	0.00	
24,600.0	90.00	179.57	12,415.0	-12,137.3	-468.2	12,145.7	0.00	0.00	0.00	
24,700.0	90.00	179.57	12,415.0	-12,237.3	-467.5	12,245.6	0.00	0.00	0.00	
24,800.0	90.00	179.57	12,415.0	-12,337.3	-466.7	12,345.6	0.00	0.00	0.00	
24,900.0	90.00	179.57	12,415.0	-12,437.3	-466.0	12,445.5	0.00	0.00	0.00	
25,000.0	90.00	179.57	12,415.0	-12,537.3	-465.2	12,545.4	0.00	0.00	0.00	
25,100.0	90.00	179.57	12,415.0	-12,637.3	-464.5	12,645.4	0.00	0.00	0.00	
25,200.0	90.00	179.57	12,415.0	-12,737.3	-463.7	12,745.3	0.00	0.00	0.00	
25,300.0	90.00	179.57	12,415.0	-12,837.3	-463.0	12,845.2	0.00	0.00	0.00	
25,400.0	90.00	179.57	12,415.0	-12,937.3	-462.2	12,945.2	0.00	0.00	0.00	
25,500.0	90.00	179.57	12,415.0	-13,037.3	-461.5	13,045.1	0.00	0.00	0.00	
25,600.0	90.00	179.57	12,415.0	-13,137.3	-460.7	13,145.0	0.00	0.00	0.00	
25,700.0	90.00	179.57	12,415.0	-13,237.3	-460.0	13,245.0	0.00	0.00	0.00	
25,800.0	90.00	179.57	12,415.0	-13,337.2	-459.2	13,344.9	0.00	0.00	0.00	
25,900.0	90.00	179.57	12,415.0	-13,437.2	-458.5	13,444.9	0.00	0.00	0.00	
26,000.0	90.00	179.57	12,415.0	-13,537.2	-457.7	13,544.8	0.00	0.00	0.00	
26,100.0	90.00	179.57	12,415.0	-13,637.2	-457.0	13,644.7	0.00	0.00	0.00	
26,200.0	90.00	179.57	12,415.0	-13,737.2	-456.2	13,744.7	0.00	0.00	0.00	
26,300.0	90.00	179.57	12,415.0	-13,837.2	-455.5	13,844.6	0.00	0.00	0.00	
26,400.0	90.00	179.57	12,415.0	-13,937.2	-454.7	13,944.5	0.00	0.00	0.00	
26,500.0	90.00	179.57	12,415.0	-14,037.2	-454.0	14,044.5	0.00	0.00	0.00	
26,600.0	90.00	179.57	12,415.0	-14,137.2	-453.2	14,144.4	0.00	0.00	0.00	
26,700.0	90.00	179.57	12,415.0	-14,237.2	-452.5	14,244.3	0.00	0.00	0.00	
26,800.0	90.00	179.57	12,415.0	-14,337.2	-451.7	14,344.3	0.00	0.00	0.00	
26,900.0	90.00	179.57	12,415.0	-14,437.2	-451.0	14,444.2	0.00	0.00	0.00	
27,000.0	90.00	179.57	12,415.0	-14,537.2	-450.2	14,544.1	0.00	0.00	0.00	
27,100.0	90.00	179.57	12,415.0	-14,637.2	-449.5	14,644.1	0.00	0.00	0.00	
27,200.0	90.00	179.57	12,415.0	-14,737.2	-448.7	14,744.0	0.00	0.00	0.00	
27,300.0	90.00	179.57	12,415.0	-14,837.2	-448.0	14,843.9	0.00	0.00	0.00	
27,400.0	90.00	179.57	12,415.0	-14,937.2	-447.2	14,943.9	0.00	0.00	0.00	
27,500.0	90.00	179.57	12,415.0	-15,037.2	-446.5	15,043.8	0.00	0.00	0.00	
27,600.0	90.00	179.57	12,415.0	-15,137.2	-445.7	15,143.8	0.00	0.00	0.00	
27,700.0	90.00	179.57	12,415.0	-15,237.2	-445.0	15,243.7	0.00	0.00	0.00	
27,800.0	90.00	179.57	12,415.0	-15,337.2	-444.2	15,343.6	0.00	0.00	0.00	
27,900.0	90.00	179.57	12,415.0	-15,437.2	-443.5	15,443.6	0.00	0.00	0.00	
27,984.8	90.00	179.57	12,415.0	-15,522.0	-442.8	15,528.3	0.00	0.00	0.00	

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3743.5usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3743.5usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP4		

Design Targets									
Target Name									
- hit/miss target	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- Shape	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
LTP (MEAT LOVER FEC - plan misses target center by 34.8usft at 27900.0usft MD (12415.0 TVD, -15437.2 N, -443.5 E) - Circle (radius 50.0)	90.00	179.58	12,415.0	-15,472.0	-443.2	462,203.40	724,054.40	32° 16' 7.082 N	103° 36' 30.427 W
PBHL (MEAT LOVER FE - plan hits target center - Rectangle (sides W100.0 H15,691.9 D20.0)	0.00	359.57	12,415.0	-15,522.0	-442.8	462,153.40	724,054.80	32° 16' 6.587 N	103° 36' 30.426 W
FTP (MEAT LOVER FEI - plan misses target center by 167.1usft at 12375.0usft MD (12290.9 TVD, 56.3 N, -559.6 E) - Circle (radius 50.0)	0.00	0.00	12,415.0	168.2	-561.3	477,843.60	723,936.30	32° 18' 41.857 N	103° 36' 30.571 W



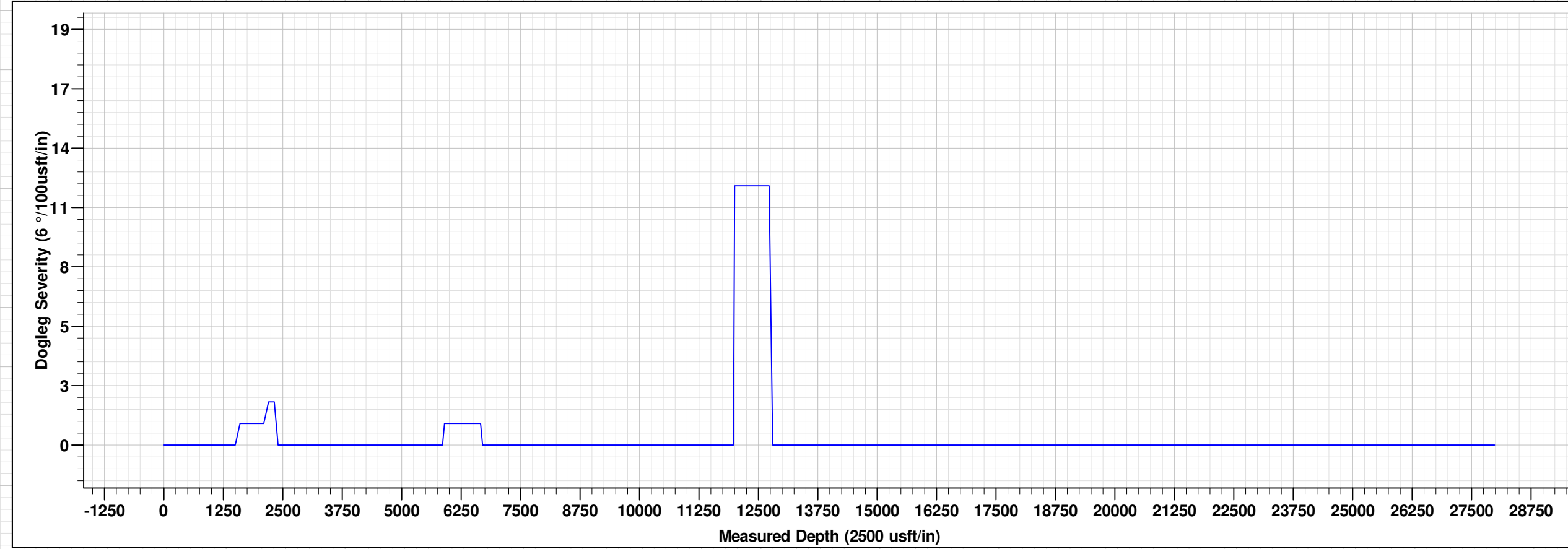
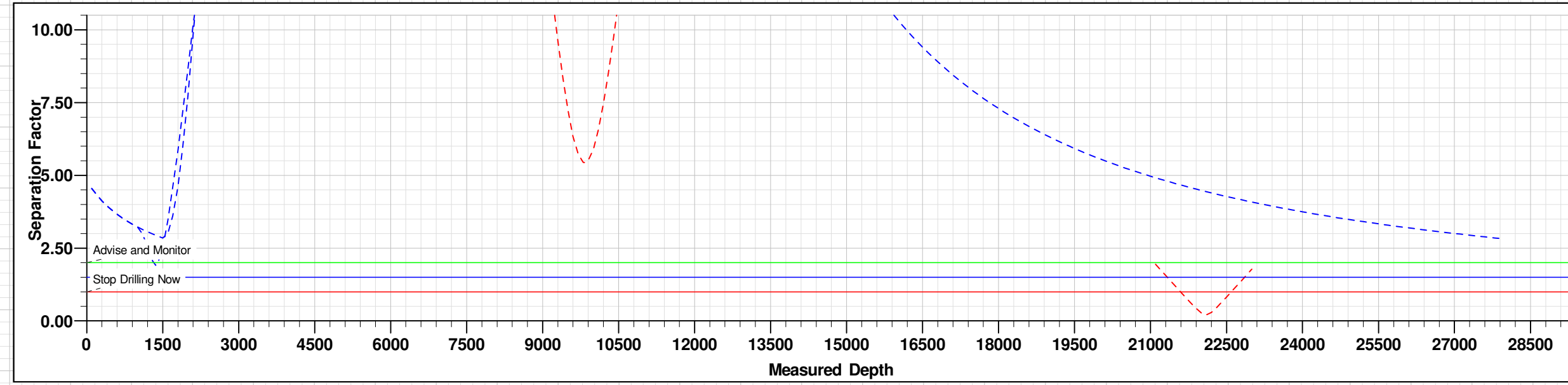
Project: LEA COUNTY SOUTHEAST
Site: MEAT LOVER FED COM PROJECT
Well: MEAT LOVER FED COM #602H
Wellbore: OWB
Design: PWP4
GL: 3716.5
KB=27 @ 3743.5usft

WELL DETAILS: MEAT LOVER FED COM #602H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	477675.40	724497.60	32° 18' 40.155 N	103° 36' 24.044 W

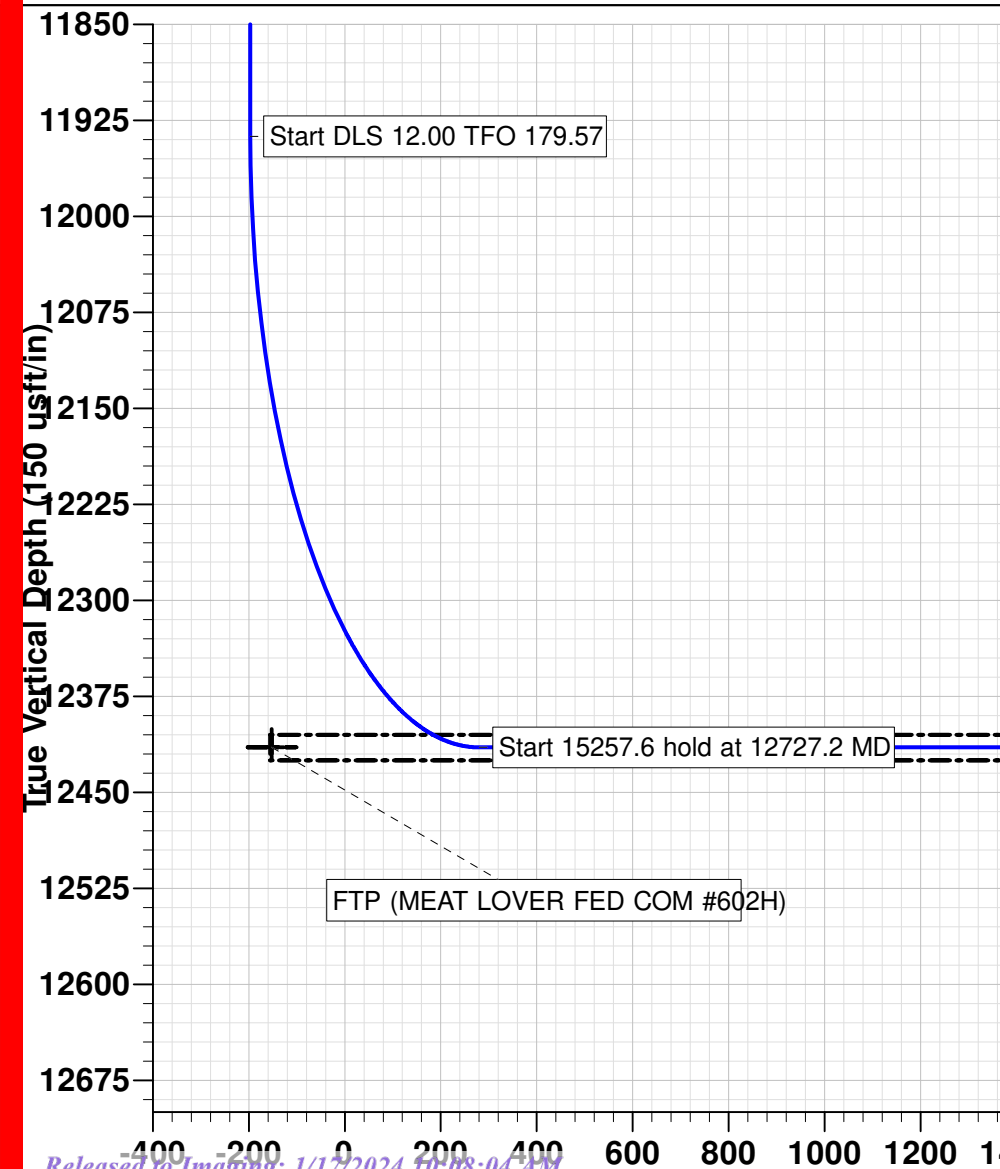
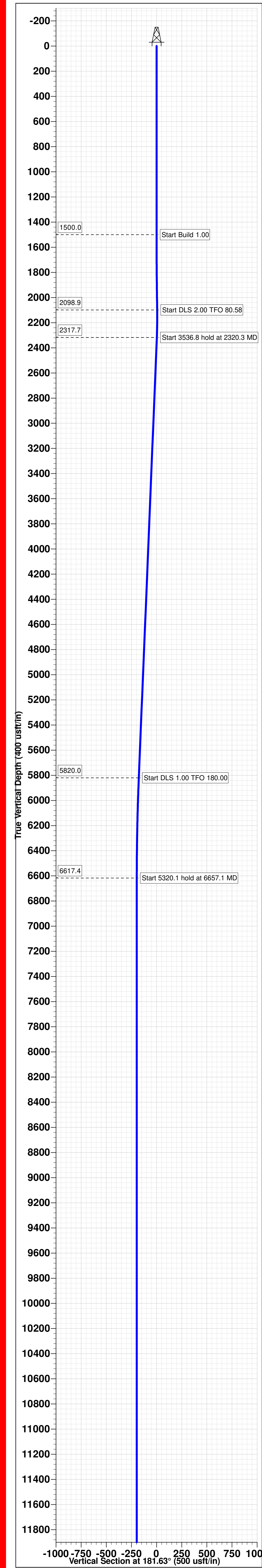
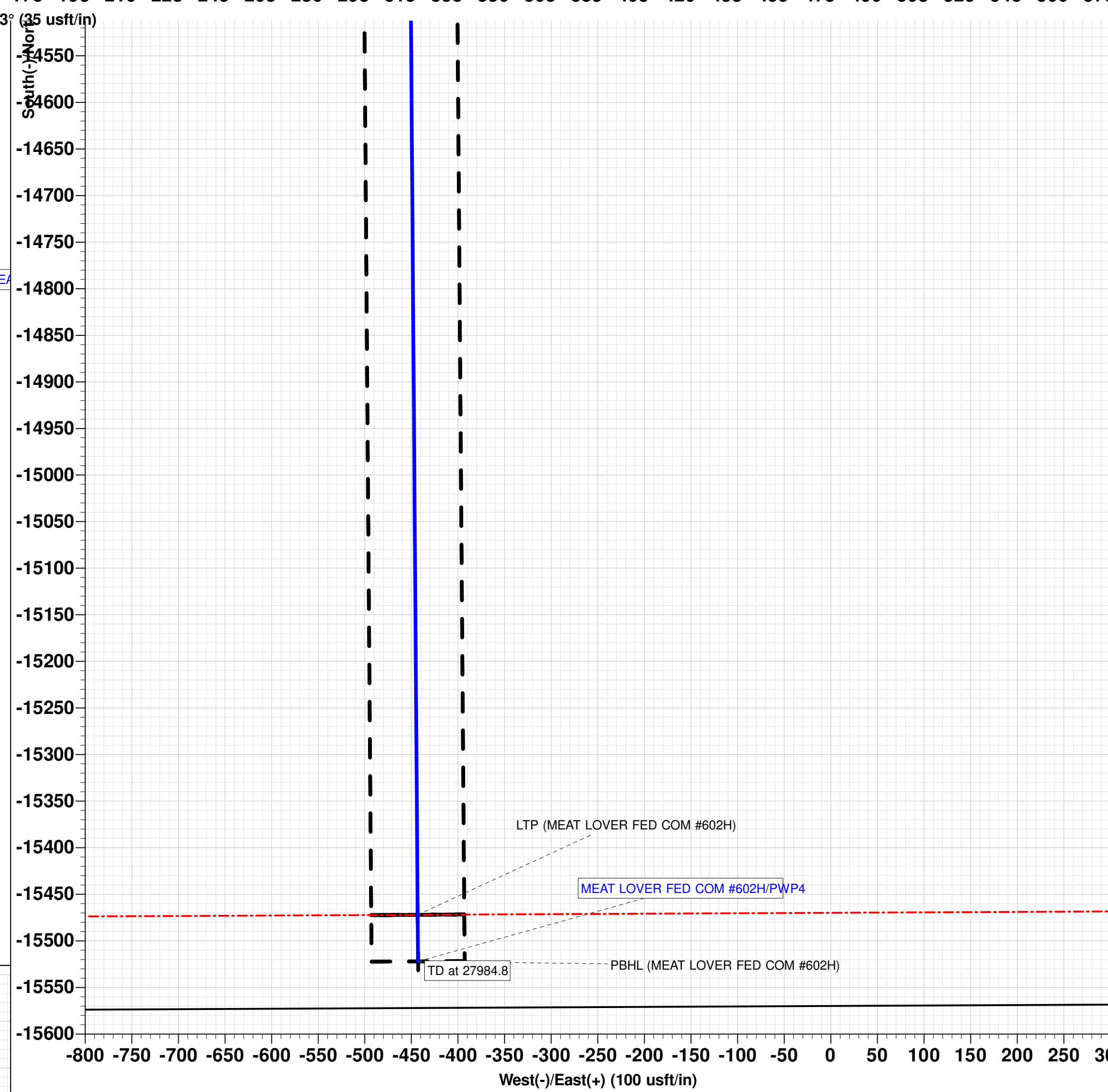
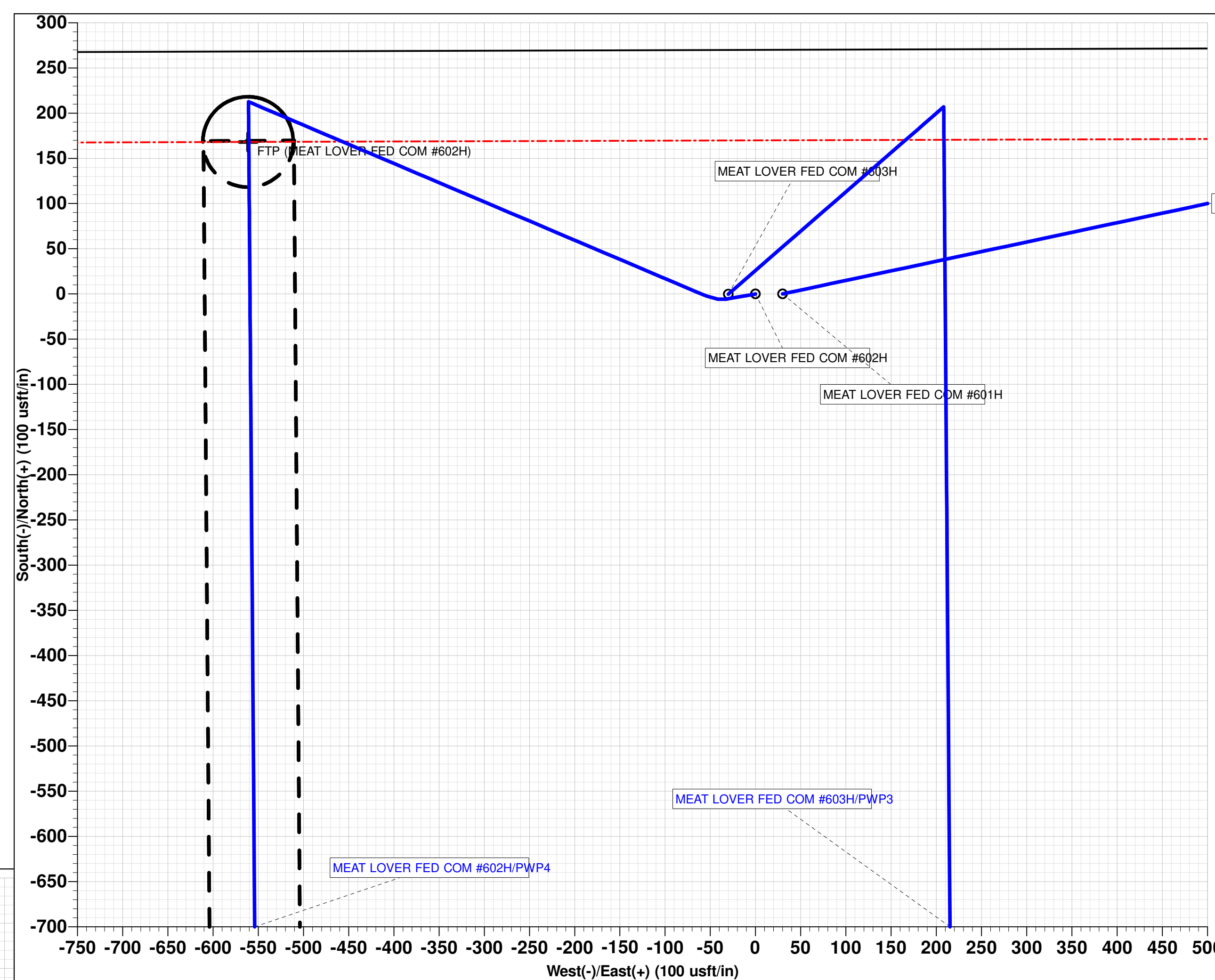
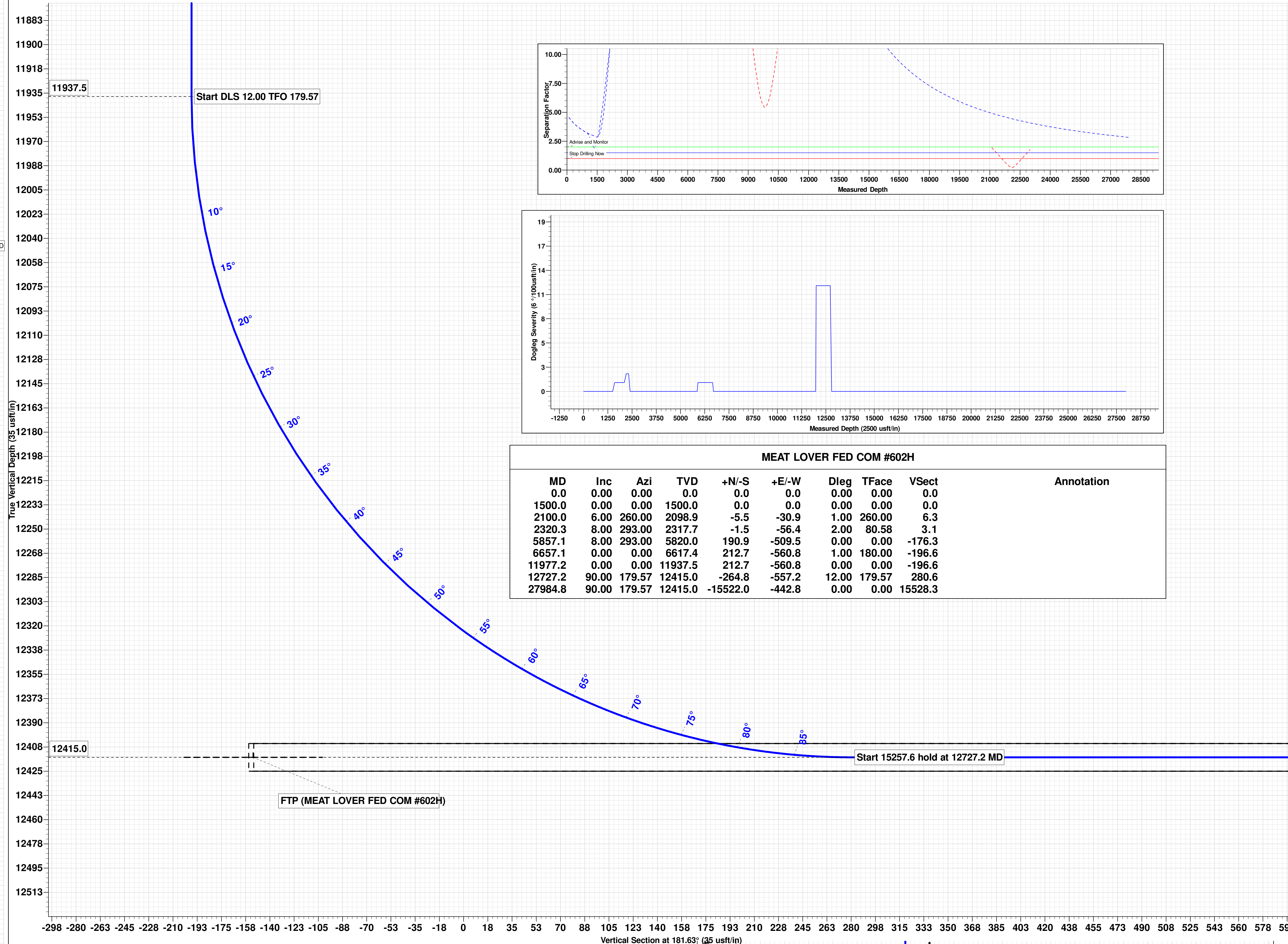
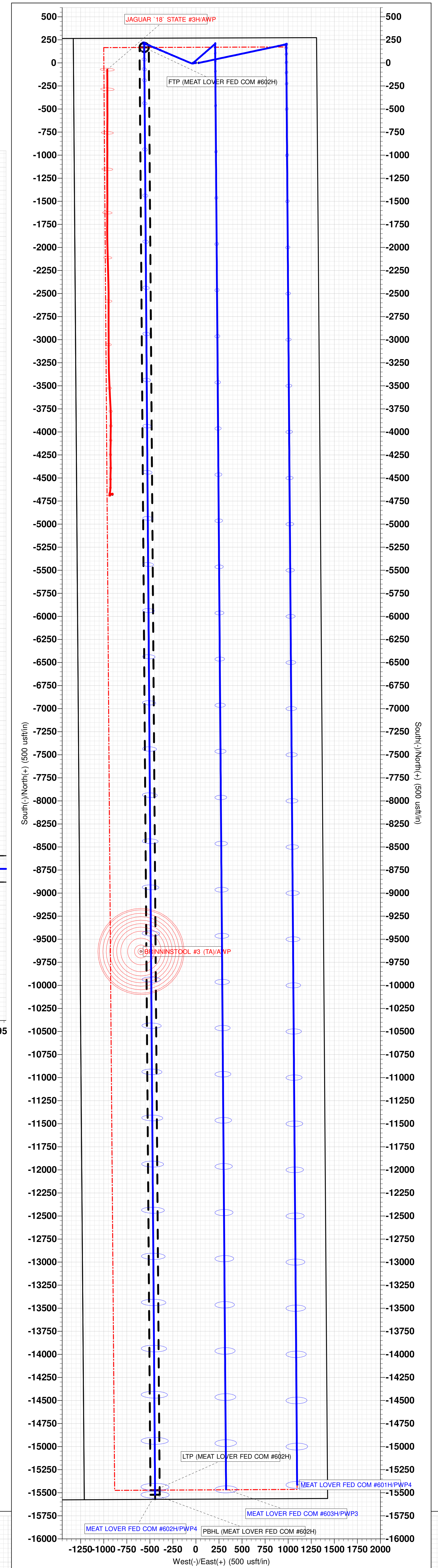
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (MEAT LOVER FED COM #602H)	12415.0	168.2	-561.3	477843.60	723936.30	32° 18' 41.857 N	103° 36' 30.571 W
LTP (MEAT LOVER FED COM #602H)	12415.0	-15472.0	-443.2	462203.40	724054.40	32° 16' 7.082 N	103° 36' 30.427 W
PBHL (MEAT LOVER FED COM #602H)	12415.0	-15522.0	-442.8	462153.40	724054.80	32° 16' 6.587 N	103° 36' 30.426 W



MEAT LOVER FED COM #602H

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
2100.0	6.00	260.00	2098.9	-5.5	-30.9	1.00	260.00	6.3	
2320.3	8.00	293.00	2317.7	-1.5	-56.4	2.00	80.58	3.1	
5857.1	8.00	293.00	5820.0	190.9	-509.5	0.00	0.00	-176.3	
6657.1	0.00	0.00	6617.4	212.7	-560.8	1.00	180.00	-196.6	
11977.2	0.00	0.00	11937.5	212.7	-560.8	0.00	0.00	-196.6	
12727.2	90.00	179.57	12415.0	-264.8	-557.2	12.00	179.57	280.6	
27984.8	90.00	179.57	12415.0	-15522.0	-442.8	0.00	0.00	15528.3	



DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST

MEAT LOVER FED COM PROJECT

MEAT LOVER FED COM #602H

OWB

PWP4

Anticollision Report

14 November, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Reference	PWP4		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD + Stations Interval 100.0usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Combined Pedal Curve
Warning Levels Evaluated at:	2.79 Sigma	Casing Method:	Added to Error Values

Survey Tool Program	Date	11/14/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	27,984.8	PWP4 (OWB)	r.5 MWD+IFR1	OWSG MWD + IFR1 rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
CALZONE FEDERAL PROJECT						
BRINNINSTOOL #3 (TA) - OWB - AWP	22,092.6	12,396.4	108.6	-420.7	0.205	Stop Drilling Now, CC, ES, S
MEAT LOVER FED COM PROJECT						
JAGUAR `18` STATE #3H - OWB - AWP	9,819.2	14,158.0	491.4	401.0	5.437	CC, ES, SF
MEAT LOVER FED COM #601H - OWB - PWP4	1,500.0	1,499.3	30.0	19.5	2.853	CC, ES, SF
MEAT LOVER FED COM #603H - OWB - PWP3	1,360.1	1,360.9	19.6	9.3	1.911	Advise and Monitor, CC, ES,

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
CALZONE FEDERAL PROJECT						
BRINNINSTOOL #3 (TA) - OWB - AWP	27,984.8	12,396.5				Out of Range @TD
MEAT LOVER FED COM PROJECT						
JAGUAR `18` STATE #3H - OWB - AWP	27,984.8	9,350.0				Out of Range @TD
MEAT LOVER FED COM #601H - OWB - PWP4	27,984.8	27,915.0				Out of Range @TD
MEAT LOVER FED COM #603H - OWB - PWP3	27,984.8	27,900.8	771.9	499.9	2.838	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: CALZONE FEDERAL PROJECT - BRINNINSTOOL #3 (TA) - OWB - AWP													Offset Site Error: 0.0 usft
Survey Program: 250-INC-ONLY													Offset Well Error: 10.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
21,100.0	12,415.0	12,392.7	12,384.8	88.0	366.2	88.03	-9,630.8	-595.6	998.6	485.8	512.77	1.947	Advise and Monitor
21,200.0	12,415.0	12,393.0	12,385.1	88.9	366.3	88.20	-9,630.8	-595.6	899.2	386.4	512.83	1.753	Advise and Monitor
21,300.0	12,415.0	12,393.4	12,385.4	89.9	366.3	88.37	-9,630.8	-595.6	800.0	287.1	512.90	1.560	Advise and Monitor
21,400.0	12,415.0	12,393.7	12,385.7	90.8	366.3	88.55	-9,630.8	-595.6	701.1	188.1	513.00	1.367	Shut in Producers
21,500.0	12,415.0	12,394.1	12,386.1	91.7	366.3	88.73	-9,630.8	-595.6	602.5	89.4	513.14	1.174	Shut in Producers
21,600.0	12,415.0	12,394.4	12,386.4	92.7	366.3	88.92	-9,630.8	-595.6	504.5	-8.9	513.36	0.983	Stop Drilling Now
21,700.0	12,415.0	12,394.8	12,386.8	93.6	366.3	89.12	-9,630.8	-595.6	407.4	-106.4	513.74	0.793	Stop Drilling Now
21,800.0	12,415.0	12,395.2	12,387.2	94.5	366.3	89.33	-9,630.8	-595.6	312.1	-202.4	514.50	0.607	Stop Drilling Now
21,900.0	12,415.0	12,395.6	12,387.6	95.5	366.3	89.54	-9,630.8	-595.6	221.1	-295.2	516.37	0.428	Stop Drilling Now
22,000.0	12,415.0	12,396.0	12,388.0	96.4	366.3	89.77	-9,630.8	-595.6	142.7	-379.1	521.82	0.274	Stop Drilling Now
22,092.6	12,415.0	12,396.4	12,388.5	97.3	366.4	89.99	-9,630.8	-595.6	108.6	-420.7	529.27	0.205	Stop Drilling Now, CC, ES, SF
22,100.0	12,415.0	12,396.5	12,388.5	97.3	366.4	90.00	-9,630.8	-595.6	108.8	-420.4	529.28	0.206	Stop Drilling Now
22,200.0	12,415.0	12,396.9	12,389.0	98.3	366.4	90.25	-9,630.8	-595.6	152.7	-369.3	521.99	0.293	Stop Drilling Now
22,300.0	12,415.0	12,397.4	12,389.4	99.2	366.4	90.50	-9,630.8	-595.6	234.1	-283.1	517.19	0.453	Stop Drilling Now
22,400.0	12,415.0	12,397.9	12,389.9	100.2	366.4	90.77	-9,630.8	-595.6	326.0	-189.4	515.39	0.632	Stop Drilling Now
22,500.0	12,415.0	12,398.5	12,390.5	101.1	366.4	91.05	-9,630.8	-595.6	421.6	-93.0	514.61	0.819	Stop Drilling Now
22,600.0	12,415.0	12,399.0	12,391.0	102.0	366.4	91.34	-9,630.8	-595.6	518.8	4.6	514.23	1.009	Shut in Producers
22,700.0	12,415.0	12,399.6	12,391.6	103.0	366.4	91.64	-9,630.8	-595.6	617.0	103.0	514.02	1.200	Shut in Producers
22,800.0	12,415.0	12,400.2	12,392.2	103.9	366.5	91.96	-9,630.8	-595.6	715.6	201.7	513.90	1.393	Shut in Producers
22,900.0	12,415.0	12,400.8	12,392.8	104.9	366.5	92.30	-9,630.8	-595.6	814.6	300.8	513.83	1.585	Advise and Monitor
23,000.0	12,415.0	12,401.5	12,393.5	105.8	366.5	92.65	-9,630.8	-595.6	913.8	400.0	513.80	1.779	Advise and Monitor

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - JAGUAR '18' STATE #3H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 5112-r.5 MWD												Offset Well Error: 3.0 usft		
Reference		Offset		Semi Major Axis		Highside Toolface (")	Offset Wellbore Centre		Rule Assigned: Distance			Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)			
9,000.0	8,960.3	14,158.0	9,775.0	24.1	77.2	-125.44	-72.3	-961.1	955.3	887.2	68.02	14.043		
9,100.0	9,060.3	14,158.0	9,775.0	24.1	77.2	-125.44	-72.3	-961.1	871.0	801.3	69.71	12.495		
9,200.0	9,160.3	14,158.0	9,775.0	24.2	77.2	-125.44	-72.3	-961.1	790.5	718.7	71.81	11.009		
9,300.0	9,260.3	14,158.0	9,775.0	24.2	77.2	-125.44	-72.3	-961.1	714.9	640.5	74.39	9.609		
9,400.0	9,360.3	14,158.0	9,775.0	24.3	77.2	-125.44	-72.3	-961.1	645.9	568.4	77.52	8.332		
9,500.0	9,460.3	14,158.0	9,775.0	24.3	77.2	-125.44	-72.3	-961.1	585.9	504.8	81.12	7.224		
9,600.0	9,560.3	14,158.0	9,775.0	24.4	77.2	-125.44	-72.3	-961.1	538.0	453.2	84.88	6.339		
9,700.0	9,660.3	14,158.0	9,775.0	24.4	77.2	-125.44	-72.3	-961.1	505.6	417.4	88.18	5.734		
9,800.0	9,760.3	14,158.0	9,775.0	24.5	77.2	-125.44	-72.3	-961.1	491.7	401.5	90.20	5.452		
9,819.2	9,779.5	14,158.0	9,775.0	24.5	77.2	-125.44	-72.3	-961.1	491.4	401.0	90.38	5.437	CC, ES, SF	
9,900.0	9,860.3	14,158.0	9,775.0	24.5	77.2	-125.44	-72.3	-961.1	498.0	407.6	90.37	5.511		
10,000.0	9,960.3	14,158.0	9,775.0	24.6	77.2	-125.44	-72.3	-961.1	523.6	434.8	88.81	5.896		
10,100.0	10,060.3	14,158.0	9,775.0	24.6	77.2	-125.44	-72.3	-961.1	565.9	479.7	86.20	6.565		
10,200.0	10,160.3	14,158.0	9,775.0	24.7	77.2	-125.44	-72.3	-961.1	621.6	538.4	83.28	7.464		
10,300.0	10,260.3	14,158.0	9,775.0	24.7	77.2	-125.44	-72.3	-961.1	687.5	606.9	80.53	8.537		
10,400.0	10,360.3	14,158.0	9,775.0	24.8	77.2	-125.44	-72.3	-961.1	760.8	682.6	78.15	9.735		
10,500.0	10,460.3	14,158.0	9,775.0	24.8	77.2	-125.44	-72.3	-961.1	839.6	763.4	76.18	11.021		
10,600.0	10,560.3	14,158.0	9,775.0	24.9	77.2	-125.44	-72.3	-961.1	922.5	847.9	74.61	12.365		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #601H - OWB - PWP4												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 12026-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
0.0	0.0	0.0	0.0	3.0	3.0	89.81	0.1	30.0	30.0				
100.0	100.0	99.3	99.3	3.1	3.1	89.81	0.1	30.0	30.0	23.4	6.59	4.552	
200.0	200.0	199.3	199.3	3.3	3.2	89.81	0.1	30.0	30.0	23.1	6.94	4.324	
300.0	300.0	299.3	299.3	3.6	3.3	89.81	0.1	30.0	30.0	22.7	7.27	4.127	
400.0	400.0	399.3	399.3	3.8	3.4	89.81	0.1	30.0	30.0	22.4	7.59	3.954	
500.0	500.0	499.3	499.3	4.0	3.6	89.81	0.1	30.0	30.0	22.1	7.89	3.801	
600.0	600.0	599.3	599.3	4.1	3.7	89.81	0.1	30.0	30.0	21.8	8.19	3.664	
700.0	700.0	699.3	699.3	4.3	3.8	89.81	0.1	30.0	30.0	21.5	8.47	3.541	
800.0	800.0	799.3	799.3	4.5	3.9	89.81	0.1	30.0	30.0	21.2	8.75	3.428	
900.0	900.0	899.3	899.3	4.7	4.0	89.81	0.1	30.0	30.0	21.0	9.02	3.326	
1,000.0	1,000.0	999.3	999.3	4.8	4.2	89.81	0.1	30.0	30.0	20.7	9.28	3.231	
1,100.0	1,100.0	1,099.3	1,099.3	5.0	4.3	89.81	0.1	30.0	30.0	20.5	9.54	3.144	
1,200.0	1,200.0	1,199.3	1,199.3	5.2	4.4	89.81	0.1	30.0	30.0	20.2	9.79	3.064	
1,300.0	1,300.0	1,299.3	1,299.3	5.3	4.5	89.81	0.1	30.0	30.0	20.0	10.04	2.989	
1,400.0	1,400.0	1,399.3	1,399.3	5.5	4.6	89.81	0.1	30.0	30.0	19.7	10.28	2.919	
1,500.0	1,500.0	1,499.3	1,499.3	5.6	4.8	89.81	0.1	30.0	30.0	19.5	10.52	2.853 CC, ES, SF	
1,600.0	1,600.0	1,598.2	1,598.2	5.8	4.9	-171.05	0.5	31.6	32.5	21.7	10.82	3.005	
1,700.0	1,700.0	1,696.7	1,696.5	5.9	5.0	-172.99	1.5	36.6	40.2	29.1	11.13	3.612	
1,800.0	1,799.9	1,794.3	1,793.8	6.0	5.1	-174.98	3.2	44.8	53.0	41.5	11.44	4.631	
1,900.0	1,899.7	1,890.6	1,889.4	6.2	5.3	-176.54	5.6	56.0	70.9	59.1	11.77	6.022	
2,000.0	1,999.4	1,985.2	1,982.9	6.4	5.5	-177.67	8.6	70.1	93.7	81.6	12.10	7.746	
2,100.0	2,098.9	2,079.0	2,075.1	6.6	5.6	-178.48	12.2	86.9	121.3	109.0	12.37	9.810	
2,200.0	2,198.3	2,174.5	2,168.9	6.9	5.7	163.79	16.0	104.7	150.9	138.2	12.70	11.877	
2,300.0	2,297.5	2,269.8	2,262.4	7.1	5.8	151.10	19.8	122.5	181.0	167.9	13.06	13.858	
2,320.3	2,317.7	2,289.1	2,281.4	7.1	5.8	149.09	20.5	126.1	187.2	174.1	13.12	14.274	
2,400.0	2,396.6	2,364.9	2,355.7	7.3	5.9	150.29	23.5	140.2	211.7	198.3	13.39	15.810	
2,500.0	2,495.6	2,459.9	2,449.0	7.6	6.0	151.46	27.3	158.0	242.5	228.8	13.77	17.617	
2,600.0	2,594.6	2,554.9	2,542.3	7.9	6.1	152.36	31.1	175.7	273.4	259.2	14.16	19.308	
2,700.0	2,693.6	2,650.0	2,635.6	8.2	6.3	153.08	34.8	193.5	304.3	289.8	14.57	20.887	
2,800.0	2,792.7	2,745.0	2,728.8	8.5	6.4	153.66	38.6	211.2	335.3	320.3	15.00	22.359	
2,900.0	2,891.7	2,840.0	2,822.1	8.8	6.5	154.15	42.4	228.9	366.3	350.9	15.44	23.731	
3,000.0	2,990.7	2,935.1	2,915.4	9.2	6.7	154.56	46.2	246.7	397.3	381.4	15.89	25.009	
3,100.0	3,089.7	3,030.1	3,008.7	9.5	6.8	154.92	49.9	264.4	428.4	412.0	16.35	26.199	
3,200.0	3,188.8	3,125.1	3,102.0	9.8	7.0	155.22	53.7	282.1	459.4	442.6	16.82	27.308	
3,300.0	3,287.8	3,220.1	3,195.3	10.2	7.1	155.49	57.5	299.9	490.5	473.2	17.31	28.341	
3,400.0	3,386.8	3,315.2	3,288.6	10.6	7.3	155.72	61.2	317.6	521.5	503.7	17.80	29.305	
3,500.0	3,485.9	3,410.2	3,381.8	10.9	7.4	155.93	65.0	335.4	552.6	534.3	18.30	30.204	
3,600.0	3,584.9	3,505.2	3,475.1	11.3	7.6	156.11	68.8	353.1	583.7	564.9	18.80	31.043	
3,700.0	3,683.9	3,600.3	3,568.4	11.7	7.7	156.28	72.5	370.8	614.8	595.4	19.32	31.828	
3,800.0	3,782.9	3,695.3	3,661.7	12.0	7.9	156.43	76.3	388.6	645.9	626.0	19.83	32.562	
3,900.0	3,882.0	3,790.3	3,755.0	12.4	8.1	156.57	80.1	406.3	676.9	656.6	20.36	33.249	
4,000.0	3,981.0	3,885.4	3,848.3	12.8	8.2	156.69	83.9	424.0	708.0	687.1	20.89	33.894	
4,100.0	4,080.0	3,980.4	3,941.6	13.2	8.4	156.81	87.6	441.8	739.1	717.7	21.42	34.499	
4,200.0	4,179.0	4,075.4	4,034.9	13.6	8.6	156.91	91.4	459.5	770.2	748.3	21.96	35.068	
4,300.0	4,278.1	4,170.5	4,128.1	14.0	8.7	157.01	95.2	477.2	801.3	778.8	22.51	35.602	
4,400.0	4,377.1	4,265.5	4,221.4	14.4	8.9	157.10	98.9	495.0	832.4	809.4	23.06	36.106	
4,500.0	4,476.1	4,360.5	4,314.7	14.8	9.1	157.18	102.7	512.7	863.5	839.9	23.61	36.580	
4,600.0	4,575.2	4,455.6	4,408.0	15.2	9.2	157.26	106.5	530.5	894.6	870.5	24.16	37.028	
4,700.0	4,674.2	4,550.6	4,501.3	15.6	9.4	157.33	110.2	548.2	925.8	901.0	24.72	37.451	
4,800.0	4,773.2	4,645.6	4,594.6	16.0	9.6	157.40	114.0	565.9	956.9	931.6	25.28	37.851	
4,900.0	4,872.2	4,740.7	4,687.9	16.4	9.8	157.47	117.8	583.7	988.0	962.1	25.84	38.229	

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance		Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)			
0.0	0.0	0.0	0.0	3.0	3.0	-90.19	-0.1	-30.0	30.0					
100.0	100.0	99.9	99.9	3.1	3.1	-90.19	-0.1	-30.0	30.0	23.4	6.59	4.551		
200.0	200.0	199.9	199.9	3.3	3.2	-90.19	-0.1	-30.0	30.0	23.1	6.94	4.324		
300.0	300.0	299.9	299.9	3.6	3.3	-90.19	-0.1	-30.0	30.0	22.7	7.27	4.127		
400.0	400.0	399.9	399.9	3.8	3.4	-90.19	-0.1	-30.0	30.0	22.4	7.59	3.954		
500.0	500.0	499.9	499.9	4.0	3.6	-90.19	-0.1	-30.0	30.0	22.1	7.89	3.801		
600.0	600.0	599.9	599.9	4.1	3.7	-90.19	-0.1	-30.0	30.0	21.8	8.19	3.664		
700.0	700.0	699.9	699.9	4.3	3.8	-90.19	-0.1	-30.0	30.0	21.5	8.47	3.540		
800.0	800.0	799.9	799.9	4.5	3.9	-90.19	-0.1	-30.0	30.0	21.2	8.75	3.428		
900.0	900.0	899.9	899.9	4.7	4.0	-90.19	-0.1	-30.0	30.0	21.0	9.02	3.326		
1,000.0	1,000.0	999.9	999.9	4.8	4.2	-90.19	-0.1	-30.0	30.0	20.7	9.28	3.231		
1,100.0	1,100.0	1,100.7	1,100.6	5.0	4.3	-87.88	1.1	-28.7	28.7	19.1	9.60	2.990		
1,200.0	1,200.0	1,201.2	1,201.0	5.2	4.6	-79.59	4.5	-24.7	25.1	15.2	9.87	2.543		
1,300.0	1,300.0	1,301.2	1,300.6	5.3	4.8	-60.36	10.3	-18.1	20.8	10.7	10.09	2.060		
1,360.1	1,360.1	1,360.9	1,360.0	5.4	4.9	-41.00	14.8	-12.9	19.6	9.3	10.26	1.911 Advise and Monitor, CC, ES, SF		
1,400.0	1,400.0	1,400.5	1,399.2	5.5	5.0	-26.04	18.2	-8.9	20.3	9.9	10.43	1.947 Advise and Monitor		
1,500.0	1,500.0	1,499.5	1,497.2	5.6	5.1	3.13	27.3	1.5	27.4	16.5	10.90	2.518		
1,600.0	1,600.0	1,598.4	1,595.2	5.8	5.2	119.15	36.3	11.9	38.9	27.7	11.25	3.458		
1,700.0	1,700.0	1,697.1	1,692.9	5.9	5.3	128.99	45.3	22.2	53.1	41.5	11.54	4.600		
1,800.0	1,799.9	1,795.5	1,790.4	6.0	5.5	135.59	54.3	32.6	69.4	57.6	11.81	5.872		
1,900.0	1,899.7	1,893.6	1,887.5	6.2	5.6	140.34	63.3	42.9	87.6	75.5	12.10	7.237		
2,000.0	1,999.4	1,991.4	1,984.3	6.4	5.7	143.97	72.2	53.2	107.5	95.1	12.40	8.673		
2,100.0	2,098.9	2,088.8	2,080.8	6.6	5.9	146.85	81.1	63.4	129.2	116.5	12.72	10.161		
2,200.0	2,198.3	2,186.1	2,177.2	6.9	6.0	132.12	90.0	73.6	151.3	138.2	13.09	11.558		
2,300.0	2,297.5	2,283.4	2,273.5	7.1	6.2	121.71	98.8	83.8	172.6	159.1	13.46	12.825		
2,320.3	2,317.7	2,303.1	2,293.1	7.1	6.2	120.12	100.7	85.9	176.8	163.3	13.50	13.095		
2,400.0	2,396.6	2,380.6	2,369.8	7.3	6.3	122.67	107.7	94.0	193.7	179.9	13.76	14.079		
2,500.0	2,495.6	2,477.8	2,466.0	7.6	6.5	125.30	116.6	104.2	215.2	201.1	14.10	15.265		
2,600.0	2,594.6	2,575.0	2,562.3	7.9	6.6	127.46	125.5	114.5	237.1	222.7	14.46	16.401		
2,700.0	2,693.6	2,672.2	2,658.6	8.2	6.8	129.25	134.4	124.7	259.3	244.5	14.83	17.484		
2,800.0	2,792.7	2,769.5	2,754.8	8.5	6.9	130.76	143.2	134.9	281.7	266.5	15.22	18.511		
2,900.0	2,891.7	2,866.7	2,851.1	8.8	7.1	132.05	152.1	145.1	304.2	288.6	15.62	19.482		
3,000.0	2,990.7	2,963.9	2,947.4	9.2	7.2	133.16	161.0	155.3	326.9	310.9	16.03	20.398		
3,100.0	3,089.7	3,061.1	3,043.6	9.5	7.4	134.12	169.9	165.5	349.7	333.2	16.43	21.280		
3,200.0	3,188.8	3,164.2	3,145.9	9.8	7.6	135.06	178.7	175.7	371.8	354.9	16.88	22.025		
3,300.0	3,287.8	3,268.4	3,249.4	10.2	7.7	136.00	186.5	184.7	392.4	375.0	17.35	22.609		
3,400.0	3,386.8	3,373.3	3,353.8	10.6	7.9	136.94	193.1	192.2	411.3	393.5	17.83	23.065		
3,500.0	3,485.9	3,478.7	3,458.9	10.9	8.1	137.90	198.4	198.3	428.7	410.4	18.32	23.402		
3,600.0	3,584.9	3,584.7	3,564.6	11.3	8.2	138.88	202.4	203.0	444.6	425.8	18.81	23.632		
3,700.0	3,683.9	3,691.0	3,670.9	11.7	8.4	139.90	205.2	206.2	458.8	439.5	19.31	23.765		
3,800.0	3,782.9	3,797.8	3,777.6	12.0	8.6	140.95	206.7	208.0	471.6	451.7	19.80	23.810		
3,900.0	3,882.0	3,902.0	3,881.9	12.4	8.6	142.02	207.0	208.3	482.8	462.6	20.24	23.855		
4,000.0	3,981.0	4,001.0	3,980.9	12.8	8.7	143.01	207.0	208.3	493.9	473.2	20.68	23.882		
4,100.0	4,080.0	4,100.0	4,079.9	13.2	8.8	143.96	207.0	208.3	505.1	484.0	21.13	23.905		
4,200.0	4,179.0	4,199.1	4,178.9	13.6	8.9	144.86	207.0	208.3	516.5	494.9	21.59	23.922		
4,300.0	4,278.1	4,298.1	4,278.0	14.0	9.0	145.73	207.0	208.3	528.0	505.9	22.06	23.935		
4,400.0	4,377.1	4,397.1	4,377.0	14.4	9.0	146.56	207.0	208.3	539.6	517.0	22.53	23.944		
4,500.0	4,476.1	4,496.1	4,476.0	14.8	9.1	147.35	207.0	208.3	551.3	528.3	23.02	23.950		
4,600.0	4,575.2	4,595.2	4,575.1	15.2	9.2	148.12	207.0	208.3	563.1	539.6	23.51	23.952		
4,700.0	4,674.2	4,694.2	4,674.1	15.6	9.3	148.85	207.0	208.3	575.0	551.0	24.01	23.952		
4,800.0	4,773.2	4,793.2	4,773.1	16.0	9.4	149.55	207.0	208.3	587.0	562.4	24.51	23.949		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
4,900.0	4,872.2	4,892.3	4,872.1	16.4	9.4	150.22	207.0	208.3	599.0	574.0	25.02	23.944	
5,000.0	4,971.3	4,991.3	4,971.2	16.8	9.5	150.87	207.0	208.3	611.2	585.6	25.53	23.938	
5,100.0	5,070.3	5,090.3	5,070.2	17.2	9.6	151.49	207.0	208.3	623.4	597.3	26.05	23.929	
5,200.0	5,169.3	5,189.3	5,169.2	17.6	9.7	152.09	207.0	208.3	635.7	609.1	26.58	23.919	
5,300.0	5,268.3	5,288.4	5,268.2	18.0	9.8	152.66	207.0	208.3	648.0	620.9	27.10	23.909	
5,400.0	5,367.4	5,387.4	5,367.3	18.4	9.9	153.21	207.0	208.3	660.5	632.8	27.64	23.897	
5,500.0	5,466.4	5,486.4	5,466.3	18.8	10.0	153.75	207.0	208.3	672.9	644.8	28.18	23.884	
5,600.0	5,565.4	5,585.4	5,565.3	19.3	10.0	154.26	207.0	208.3	685.5	656.8	28.72	23.871	
5,700.0	5,664.4	5,684.5	5,664.3	19.7	10.1	154.76	207.0	208.3	698.1	668.8	29.26	23.857	
5,800.0	5,763.5	5,783.5	5,763.4	20.1	10.2	155.23	207.0	208.3	710.7	680.9	29.81	23.842	
5,857.1	5,820.0	5,840.0	5,819.9	20.3	10.3	155.50	207.0	208.3	717.9	687.8	30.11	23.845	
5,900.0	5,862.5	5,882.5	5,862.4	20.5	10.3	155.71	207.0	208.3	723.2	692.9	30.33	23.845	
6,000.0	5,961.8	5,981.8	5,961.7	20.9	10.4	156.15	207.0	208.3	734.5	703.6	30.87	23.796	
6,100.0	6,061.2	6,081.2	6,061.1	21.3	10.5	156.52	207.0	208.3	744.2	712.8	31.38	23.711	
6,200.0	6,160.8	6,180.8	6,160.7	21.7	10.6	156.82	207.0	208.3	752.3	720.4	31.88	23.595	
6,300.0	6,260.6	6,280.6	6,260.5	22.0	10.7	157.06	207.0	208.3	758.8	726.5	32.36	23.452	
6,400.0	6,360.4	6,380.4	6,360.3	22.4	10.7	157.23	207.0	208.3	763.8	731.0	32.80	23.284	
6,500.0	6,460.3	6,480.4	6,460.2	22.7	10.8	157.35	207.0	208.3	767.1	733.9	33.21	23.099	
6,600.0	6,560.3	6,580.3	6,560.2	22.9	10.9	157.41	207.0	208.3	768.8	735.3	33.56	22.909	
6,657.1	6,617.4	6,637.4	6,617.3	23.0	11.0	90.42	207.0	208.3	769.1	735.4	33.66	22.850	
6,700.0	6,660.3	6,680.3	6,660.2	23.0	11.0	90.42	207.0	208.3	769.1	735.4	33.68	22.835	
6,800.0	6,760.3	6,780.3	6,760.2	23.1	11.1	90.42	207.0	208.3	769.1	735.3	33.76	22.783	
6,900.0	6,860.3	6,880.3	6,860.2	23.1	11.2	90.42	207.0	208.3	769.1	735.3	33.83	22.731	
7,000.0	6,960.3	6,980.3	6,960.2	23.2	11.3	90.42	207.0	208.3	769.1	735.2	33.91	22.679	
7,100.0	7,060.3	7,080.3	7,060.2	23.2	11.4	90.42	207.0	208.3	769.1	735.1	33.99	22.628	
7,200.0	7,160.3	7,180.3	7,160.2	23.2	11.5	90.42	207.0	208.3	769.1	735.0	34.07	22.576	
7,300.0	7,260.3	7,280.3	7,260.2	23.3	11.6	90.42	207.0	208.3	769.1	734.9	34.15	22.524	
7,400.0	7,360.3	7,380.3	7,360.2	23.3	11.7	90.42	207.0	208.3	769.1	734.9	34.22	22.473	
7,500.0	7,460.3	7,480.3	7,460.2	23.4	11.8	90.42	207.0	208.3	769.1	734.8	34.30	22.421	
7,600.0	7,560.3	7,580.3	7,560.2	23.4	11.9	90.42	207.0	208.3	769.1	734.7	34.38	22.370	
7,700.0	7,660.3	7,680.3	7,660.2	23.5	12.0	90.42	207.0	208.3	769.1	734.6	34.46	22.319	
7,800.0	7,760.3	7,780.3	7,760.2	23.5	12.1	90.42	207.0	208.3	769.1	734.6	34.54	22.268	
7,900.0	7,860.3	7,880.3	7,860.2	23.6	12.2	90.42	207.0	208.3	769.1	734.5	34.62	22.217	
8,000.0	7,960.3	7,980.3	7,960.2	23.6	12.3	90.42	207.0	208.3	769.1	734.4	34.70	22.166	
8,100.0	8,060.3	8,080.3	8,060.2	23.6	12.4	90.42	207.0	208.3	769.1	734.3	34.78	22.115	
8,200.0	8,160.3	8,180.3	8,160.2	23.7	12.5	90.42	207.0	208.3	769.1	734.2	34.86	22.064	
8,300.0	8,260.3	8,280.3	8,260.2	23.7	12.6	90.42	207.0	208.3	769.1	734.2	34.94	22.014	
8,400.0	8,360.3	8,380.3	8,360.2	23.8	12.6	90.42	207.0	208.3	769.1	734.1	35.02	21.963	
8,500.0	8,460.3	8,480.3	8,460.2	23.8	12.7	90.42	207.0	208.3	769.1	734.0	35.10	21.913	
8,600.0	8,560.3	8,580.3	8,560.2	23.9	12.8	90.42	207.0	208.3	769.1	733.9	35.18	21.863	
8,700.0	8,660.3	8,680.3	8,660.2	23.9	12.9	90.42	207.0	208.3	769.1	733.8	35.26	21.812	
8,800.0	8,760.3	8,780.3	8,760.2	24.0	13.0	90.42	207.0	208.3	769.1	733.7	35.34	21.762	
8,900.0	8,860.3	8,880.3	8,860.2	24.0	13.1	90.42	207.0	208.3	769.1	733.7	35.42	21.713	
9,000.0	8,960.3	8,980.3	8,960.2	24.1	13.2	90.42	207.0	208.3	769.1	733.6	35.50	21.663	
9,100.0	9,060.3	9,080.3	9,060.2	24.1	13.3	90.42	207.0	208.3	769.1	733.5	35.58	21.613	
9,200.0	9,160.3	9,180.3	9,160.2	24.2	13.4	90.42	207.0	208.3	769.1	733.4	35.67	21.564	
9,300.0	9,260.3	9,280.3	9,260.2	24.2	13.5	90.42	207.0	208.3	769.1	733.3	35.75	21.514	
9,400.0	9,360.3	9,380.3	9,360.2	24.3	13.6	90.42	207.0	208.3	769.1	733.3	35.83	21.465	
9,500.0	9,460.3	9,480.3	9,460.2	24.3	13.7	90.42	207.0	208.3	769.1	733.2	35.91	21.416	
9,600.0	9,560.3	9,580.3	9,560.2	24.4	13.8	90.42	207.0	208.3	769.1	733.1	35.99	21.367	
9,700.0	9,660.3	9,680.3	9,660.2	24.4	14.0	90.42	207.0	208.3	769.1	733.0	36.08	21.318	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Separation	Factor		
Depth	Depth	Depth	Depth	(usft)	(usft)	Toolface	+N/-S	+E/-W	Centres	Ellipses	(usft)			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
9,800.0	9,760.3	9,780.3	9,760.2	24.5	14.1	90.42	207.0	208.3	769.1	732.9	36.16	21.269		
9,900.0	9,860.3	9,880.3	9,860.2	24.5	14.2	90.42	207.0	208.3	769.1	732.8	36.24	21.220		
10,000.0	9,960.3	9,980.3	9,960.2	24.6	14.3	90.42	207.0	208.3	769.1	732.8	36.33	21.172		
10,100.0	10,060.3	10,080.3	10,060.2	24.6	14.4	90.42	207.0	208.3	769.1	732.7	36.41	21.123		
10,200.0	10,160.3	10,180.3	10,160.2	24.7	14.5	90.42	207.0	208.3	769.1	732.6	36.49	21.075		
10,300.0	10,260.3	10,280.3	10,260.2	24.7	14.6	90.42	207.0	208.3	769.1	732.5	36.58	21.027		
10,400.0	10,360.3	10,380.3	10,360.2	24.8	14.7	90.42	207.0	208.3	769.1	732.4	36.66	20.979		
10,500.0	10,460.3	10,480.3	10,460.2	24.8	14.8	90.42	207.0	208.3	769.1	732.3	36.74	20.931		
10,600.0	10,560.3	10,580.3	10,560.2	24.9	14.9	90.42	207.0	208.3	769.1	732.3	36.83	20.883		
10,700.0	10,660.3	10,680.3	10,660.2	24.9	15.0	90.42	207.0	208.3	769.1	732.2	36.91	20.835		
10,800.0	10,760.3	10,780.3	10,760.2	25.0	15.1	90.42	207.0	208.3	769.1	732.1	37.00	20.788		
10,900.0	10,860.3	10,880.3	10,860.2	25.0	15.2	90.42	207.0	208.3	769.1	732.0	37.08	20.740		
11,000.0	10,960.3	10,980.3	10,960.2	25.1	15.3	90.42	207.0	208.3	769.1	731.9	37.17	20.693		
11,100.0	11,060.3	11,080.3	11,060.2	25.1	15.4	90.42	207.0	208.3	769.1	731.8	37.25	20.646		
11,200.0	11,160.3	11,180.3	11,160.2	25.2	15.5	90.42	207.0	208.3	769.1	731.8	37.34	20.599		
11,300.0	11,260.3	11,280.3	11,260.2	25.2	15.6	90.42	207.0	208.3	769.1	731.7	37.42	20.552		
11,400.0	11,360.3	11,380.3	11,360.2	25.3	15.7	90.42	207.0	208.3	769.1	731.6	37.51	20.505		
11,500.0	11,460.3	11,480.3	11,460.2	25.3	15.8	90.42	207.0	208.3	769.1	731.5	37.59	20.459		
11,600.0	11,560.3	11,580.3	11,560.2	25.4	15.9	90.42	207.0	208.3	769.1	731.4	37.68	20.412		
11,700.0	11,660.3	11,680.3	11,660.2	25.4	16.0	90.42	207.0	208.3	769.1	731.3	37.76	20.366		
11,800.0	11,760.3	11,780.3	11,760.2	25.5	16.1	90.42	207.0	208.3	769.1	731.2	37.85	20.319		
11,900.0	11,860.3	11,880.3	11,860.2	25.5	16.2	90.42	207.0	208.3	769.1	731.2	37.94	20.273		
11,977.2	11,937.5	11,957.5	11,937.4	25.6	16.3	90.42	207.0	208.3	769.1	731.1	37.99	20.242		
12,000.0	11,960.3	11,979.8	11,959.7	25.6	16.3	-89.15	206.5	208.3	769.1	731.1	38.03	20.224		
12,025.0	11,985.2	12,004.2	11,984.0	25.5	16.3	-89.16	204.8	208.3	769.1	731.1	38.02	20.228		
12,050.0	12,010.0	12,028.6	12,008.3	25.5	16.3	-89.16	201.8	208.3	769.1	731.1	38.01	20.233		
12,075.0	12,034.6	12,053.1	12,032.3	25.5	16.3	-89.17	197.5	208.3	769.1	731.1	38.00	20.238		
12,100.0	12,059.0	12,077.5	12,056.1	25.4	16.3	-89.18	192.1	208.4	769.1	731.1	37.99	20.244		
12,125.0	12,083.0	12,101.9	12,079.6	25.4	16.3	-89.19	185.4	208.4	769.1	731.1	37.98	20.250		
12,150.0	12,106.6	12,126.4	12,102.8	25.4	16.4	-89.21	177.5	208.5	769.1	731.1	37.97	20.257		
12,175.0	12,129.7	12,150.8	12,125.5	25.3	16.4	-89.22	168.5	208.6	769.1	731.1	37.95	20.263		
12,200.0	12,152.3	12,175.3	12,147.7	25.3	16.4	-89.24	158.3	208.6	769.1	731.1	37.94	20.270		
12,225.0	12,174.3	12,200.0	12,169.6	25.2	16.4	-89.26	146.8	208.7	769.1	731.1	37.93	20.275		
12,250.0	12,195.7	12,224.3	12,190.5	25.2	16.4	-89.29	134.5	208.8	769.1	731.1	37.92	20.282		
12,275.0	12,216.4	12,248.8	12,211.0	25.2	16.5	-89.31	121.0	208.9	769.1	731.2	37.91	20.286		
12,300.0	12,236.3	12,273.3	12,230.7	25.1	16.5	-89.34	106.4	209.0	769.1	731.2	37.90	20.290		
12,325.0	12,255.4	12,297.9	12,249.7	25.1	16.5	-89.37	90.8	209.2	769.1	731.2	37.90	20.293		
12,350.0	12,273.6	12,322.5	12,267.9	25.1	16.5	-89.40	74.3	209.3	769.1	731.2	37.90	20.294		
12,375.0	12,290.9	12,347.0	12,285.2	25.0	16.6	-89.43	56.8	209.4	769.1	731.2	37.90	20.293		
12,400.0	12,307.2	12,371.7	12,301.6	25.0	16.6	-89.46	38.5	209.5	769.0	731.1	37.90	20.291		
12,425.0	12,322.5	12,396.3	12,317.0	25.0	16.6	-89.50	19.3	209.7	769.0	731.1	37.91	20.286		
12,450.0	12,336.7	12,420.9	12,331.5	25.0	16.6	-89.53	-0.7	209.8	769.0	731.1	37.92	20.279		
12,475.0	12,349.9	12,445.6	12,344.9	25.0	16.7	-89.57	-21.4	210.0	769.0	731.1	37.94	20.270		
12,500.0	12,361.9	12,470.3	12,357.2	25.0	16.7	-89.61	-42.8	210.2	769.0	731.1	37.96	20.257		
12,525.0	12,372.8	12,495.1	12,368.4	25.0	16.7	-89.65	-64.8	210.3	769.0	731.0	37.99	20.242		
12,550.0	12,382.5	12,519.8	12,378.5	25.0	16.7	-89.69	-87.4	210.5	769.0	731.0	38.03	20.224		
12,575.0	12,390.9	12,544.6	12,387.4	25.0	16.7	-89.73	-110.6	210.7	769.0	731.0	38.07	20.203		
12,600.0	12,398.1	12,569.4	12,395.1	25.0	16.8	-89.77	-134.2	210.9	769.0	730.9	38.11	20.178		
12,625.0	12,404.1	12,594.3	12,401.6	25.0	16.8	-89.82	-158.2	211.0	769.0	730.9	38.16	20.151		
12,638.8	12,406.8	12,608.0	12,404.6	25.0	16.8	-89.84	-171.6	211.1	769.0	730.8	38.20	20.134		
12,650.0	12,408.7	12,619.2	12,406.8	25.0	16.8	-89.86	-182.5	211.2	769.0	730.8	38.22	20.120		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation
Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)	Warning
12,675.0	12,412.1	12,644.1	12,410.7	25.0	16.8	-89.90	-207.1	211.4	769.0	730.7	38.29	20.086
12,700.0	12,414.2	12,669.0	12,413.4	25.1	16.8	-89.95	-231.9	211.6	769.0	730.7	38.36	20.050
12,727.2	12,415.0	12,696.2	12,414.8	25.1	16.8	-90.00	-259.0	211.8	769.0	730.6	38.44	20.007
12,800.0	12,415.0	12,769.0	12,415.0	25.2	16.9	-90.01	-331.8	212.3	769.0	730.3	38.69	19.876
12,900.0	12,415.0	12,869.0	12,415.0	25.4	16.9	-90.01	-431.8	213.1	769.0	729.9	39.11	19.662
13,000.0	12,415.0	12,969.0	12,415.0	25.6	16.9	-90.01	-531.8	213.9	769.1	729.4	39.60	19.418
13,100.0	12,415.0	13,069.0	12,415.0	25.8	17.0	-90.01	-631.8	214.6	769.1	728.9	40.17	19.147
13,200.0	12,415.0	13,169.0	12,415.0	26.1	17.0	-90.01	-731.8	215.4	769.1	728.3	40.79	18.853
13,300.0	12,415.0	13,269.0	12,415.0	26.4	17.1	-90.01	-831.8	216.1	769.1	727.6	41.48	18.540
13,400.0	12,415.0	13,369.0	12,415.0	26.8	17.2	-90.01	-931.8	216.9	769.1	726.8	42.23	18.211
13,500.0	12,415.0	13,469.0	12,415.0	27.1	17.3	-90.01	-1,031.8	217.6	769.1	726.0	43.04	17.870
13,600.0	12,415.0	13,569.0	12,415.0	27.5	17.4	-90.01	-1,131.8	218.4	769.1	725.2	43.90	17.520
13,700.0	12,415.0	13,669.0	12,415.0	28.0	17.5	-90.01	-1,231.8	219.2	769.1	724.3	44.81	17.165
13,800.0	12,415.0	13,769.0	12,415.0	28.4	17.7	-90.01	-1,331.8	219.9	769.1	723.3	45.76	16.806
13,900.0	12,415.0	13,869.0	12,415.0	28.9	18.0	-90.01	-1,431.8	220.7	769.1	722.3	46.77	16.446
14,000.0	12,415.0	13,969.0	12,415.0	29.4	18.3	-90.01	-1,531.8	221.4	769.1	721.3	47.81	16.088
14,100.0	12,415.0	14,069.0	12,415.0	29.9	18.7	-90.01	-1,631.8	222.2	769.1	720.2	48.89	15.732
14,200.0	12,415.0	14,169.0	12,415.0	30.5	19.2	-90.01	-1,731.8	222.9	769.1	719.1	50.01	15.380
14,300.0	12,415.0	14,269.0	12,415.0	31.0	19.7	-90.01	-1,831.8	223.7	769.1	718.0	51.16	15.034
14,400.0	12,415.0	14,369.0	12,415.0	31.6	20.3	-90.01	-1,931.8	224.4	769.1	716.8	52.34	14.694
14,500.0	12,415.0	14,469.0	12,415.0	32.2	20.9	-90.01	-2,031.7	225.2	769.2	715.6	53.56	14.361
14,600.0	12,415.0	14,569.0	12,415.0	32.8	21.5	-90.01	-2,131.7	226.0	769.2	714.4	54.80	14.036
14,700.0	12,415.0	14,669.0	12,415.0	33.5	22.2	-90.01	-2,231.7	226.7	769.2	713.1	56.06	13.720
14,800.0	12,415.0	14,769.0	12,415.0	34.1	22.8	-90.01	-2,331.7	227.5	769.2	711.8	57.35	13.411
14,900.0	12,415.0	14,869.0	12,415.0	34.8	23.5	-90.01	-2,431.7	228.2	769.2	710.5	58.67	13.111
15,000.0	12,415.0	14,969.0	12,415.0	35.5	24.1	-90.01	-2,531.7	229.0	769.2	709.2	60.00	12.820
15,100.0	12,415.0	15,069.0	12,415.0	36.2	24.8	-90.01	-2,631.7	229.7	769.2	707.8	61.35	12.537
15,200.0	12,415.0	15,169.0	12,415.0	36.9	25.5	-90.01	-2,731.7	230.5	769.2	706.5	62.72	12.263
15,300.0	12,415.0	15,269.0	12,415.0	37.6	26.2	-90.01	-2,831.7	231.3	769.2	705.1	64.11	11.998
15,400.0	12,415.0	15,369.0	12,415.0	38.3	26.9	-90.01	-2,931.7	232.0	769.2	703.7	65.52	11.741
15,500.0	12,415.0	15,469.0	12,415.0	39.1	27.6	-90.01	-3,031.7	232.8	769.2	702.3	66.94	11.492
15,600.0	12,415.0	15,569.0	12,415.0	39.8	28.3	-90.01	-3,131.7	233.5	769.2	700.9	68.37	11.251
15,700.0	12,415.0	15,669.0	12,415.0	40.6	29.0	-90.01	-3,231.7	234.3	769.2	699.4	69.82	11.018
15,800.0	12,415.0	15,769.0	12,415.0	41.4	29.7	-90.01	-3,331.7	235.0	769.2	698.0	71.28	10.792
15,900.0	12,415.0	15,869.0	12,415.0	42.1	30.4	-90.01	-3,431.7	235.8	769.2	696.5	72.75	10.574
16,000.0	12,415.0	15,969.0	12,415.0	42.9	31.1	-90.01	-3,531.7	236.6	769.3	695.0	74.23	10.363
16,100.0	12,415.0	16,069.0	12,415.0	43.7	31.8	-90.01	-3,631.7	237.3	769.3	693.5	75.72	10.159
16,200.0	12,415.0	16,169.0	12,415.0	44.5	32.5	-90.01	-3,731.7	238.1	769.3	692.0	77.22	9.962
16,300.0	12,415.0	16,269.0	12,415.0	45.3	33.2	-90.01	-3,831.7	238.8	769.3	690.5	78.73	9.771
16,400.0	12,415.0	16,369.0	12,415.0	46.1	34.0	-90.01	-3,931.7	239.6	769.3	689.0	80.25	9.586
16,500.0	12,415.0	16,469.0	12,415.0	47.0	34.7	-90.01	-4,031.7	240.3	769.3	687.5	81.78	9.407
16,600.0	12,415.0	16,569.0	12,415.0	47.8	35.4	-90.01	-4,131.7	241.1	769.3	686.0	83.31	9.234
16,700.0	12,415.0	16,669.0	12,415.0	48.6	36.1	-90.01	-4,231.7	241.8	769.3	684.4	84.85	9.066
16,800.0	12,415.0	16,769.0	12,415.0	49.4	36.9	-90.01	-4,331.7	242.6	769.3	682.9	86.40	8.904
16,900.0	12,415.0	16,869.0	12,415.0	50.3	37.6	-90.01	-4,431.7	243.4	769.3	681.4	87.96	8.746
17,000.0	12,415.0	16,969.0	12,415.0	51.1	38.3	-90.01	-4,531.7	244.1	769.3	679.8	89.52	8.594
17,100.0	12,415.0	17,069.0	12,415.0	52.0	39.1	-90.01	-4,631.7	244.9	769.3	678.2	91.09	8.446
17,200.0	12,415.0	17,169.0	12,415.0	52.8	39.8	-90.01	-4,731.7	245.6	769.3	676.7	92.66	8.303
17,300.0	12,415.0	17,269.0	12,415.0	53.7	40.5	-90.01	-4,831.7	246.4	769.3	675.1	94.24	8.164
17,400.0	12,415.0	17,369.0	12,415.0	54.6	41.3	-90.01	-4,931.7	247.1	769.3	673.5	95.82	8.029
17,500.0	12,415.0	17,469.0	12,415.0	55.4	42.0	-90.01	-5,031.7	247.9	769.4	671.9	97.41	7.898

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation
Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)	Warning
17,600.0	12,415.0	17,569.0	12,415.0	56.3	42.8	-90.01	-5,131.7	248.7	769.4	670.4	99.00	7.771
17,700.0	12,415.0	17,669.0	12,415.0	57.2	43.5	-90.01	-5,231.7	249.4	769.4	668.8	100.60	7.648
17,800.0	12,415.0	17,769.0	12,415.0	58.0	44.2	-90.01	-5,331.7	250.2	769.4	667.2	102.20	7.528
17,900.0	12,415.0	17,869.0	12,415.0	58.9	45.0	-90.01	-5,431.7	250.9	769.4	665.6	103.80	7.412
18,000.0	12,415.0	17,969.0	12,415.0	59.8	45.7	-90.01	-5,531.6	251.7	769.4	664.0	105.41	7.299
18,100.0	12,415.0	18,069.0	12,415.0	60.7	46.5	-90.01	-5,631.6	252.4	769.4	662.4	107.02	7.189
18,200.0	12,415.0	18,169.0	12,415.0	61.6	47.2	-90.01	-5,731.6	253.2	769.4	660.8	108.64	7.082
18,300.0	12,415.0	18,269.0	12,415.0	62.4	48.0	-90.01	-5,831.6	253.9	769.4	659.1	110.26	6.978
18,400.0	12,415.0	18,369.0	12,415.0	63.3	48.7	-90.01	-5,931.6	254.7	769.4	657.5	111.88	6.877
18,500.0	12,415.0	18,469.0	12,415.0	64.2	49.5	-90.01	-6,031.6	255.5	769.4	655.9	113.50	6.779
18,600.0	12,415.0	18,569.0	12,415.0	65.1	50.2	-90.01	-6,131.6	256.2	769.4	654.3	115.13	6.683
18,700.0	12,415.0	18,669.0	12,415.0	66.0	51.0	-90.01	-6,231.6	257.0	769.4	652.7	116.76	6.590
18,800.0	12,415.0	18,769.0	12,415.0	66.9	51.7	-90.01	-6,331.6	257.7	769.4	651.0	118.39	6.499
18,900.0	12,415.0	18,869.0	12,415.0	67.8	52.5	-90.01	-6,431.6	258.5	769.4	649.4	120.03	6.410
19,000.0	12,415.0	18,969.0	12,415.0	68.7	53.2	-90.01	-6,531.6	259.2	769.5	647.8	121.67	6.324
19,100.0	12,415.0	19,069.0	12,415.0	69.6	54.0	-90.01	-6,631.6	260.0	769.5	646.2	123.31	6.240
19,200.0	12,415.0	19,169.0	12,415.0	70.5	54.7	-90.01	-6,731.6	260.8	769.5	644.5	124.95	6.158
19,300.0	12,415.0	19,269.0	12,415.0	71.4	55.5	-90.01	-6,831.6	261.5	769.5	642.9	126.59	6.078
19,400.0	12,415.0	19,369.0	12,415.0	72.3	56.2	-90.01	-6,931.6	262.3	769.5	641.2	128.24	6.000
19,500.0	12,415.0	19,469.0	12,415.0	73.3	57.0	-90.01	-7,031.6	263.0	769.5	639.6	129.89	5.924
19,600.0	12,415.0	19,569.0	12,415.0	74.2	57.7	-90.01	-7,131.6	263.8	769.5	638.0	131.54	5.850
19,700.0	12,415.0	19,669.0	12,415.0	75.1	58.5	-90.01	-7,231.6	264.5	769.5	636.3	133.19	5.777
19,800.0	12,415.0	19,769.0	12,415.0	76.0	59.2	-90.01	-7,331.6	265.3	769.5	634.7	134.85	5.707
19,900.0	12,415.0	19,869.0	12,415.0	76.9	60.0	-90.01	-7,431.6	266.0	769.5	633.0	136.50	5.637
20,000.0	12,415.0	19,969.0	12,415.0	77.8	60.7	-90.01	-7,531.6	266.8	769.5	631.4	138.16	5.570
20,100.0	12,415.0	20,069.0	12,415.0	78.8	61.5	-90.01	-7,631.6	267.6	769.5	629.7	139.82	5.504
20,200.0	12,415.0	20,169.0	12,415.0	79.7	62.2	-90.01	-7,731.6	268.3	769.5	628.1	141.48	5.439
20,300.0	12,415.0	20,269.0	12,415.0	80.6	63.0	-90.01	-7,831.6	269.1	769.5	626.4	143.14	5.376
20,400.0	12,415.0	20,369.0	12,415.0	81.5	63.7	-90.01	-7,931.6	269.8	769.5	624.7	144.80	5.314
20,500.0	12,415.0	20,469.0	12,415.0	82.4	64.5	-90.01	-8,031.6	270.6	769.6	623.1	146.47	5.254
20,600.0	12,415.0	20,569.0	12,415.0	83.4	65.2	-90.01	-8,131.6	271.3	769.6	621.4	148.13	5.195
20,700.0	12,415.0	20,669.0	12,415.0	84.3	66.0	-90.01	-8,231.6	272.1	769.6	619.8	149.80	5.137
20,800.0	12,415.0	20,769.0	12,415.0	85.2	66.8	-90.01	-8,331.6	272.9	769.6	618.1	151.47	5.081
20,900.0	12,415.0	20,869.0	12,415.0	86.1	67.5	-90.01	-8,431.6	273.6	769.6	616.4	153.14	5.025
21,000.0	12,415.0	20,969.0	12,415.0	87.1	68.3	-90.01	-8,531.6	274.4	769.6	614.8	154.81	4.971
21,100.0	12,415.0	21,069.0	12,415.0	88.0	69.0	-90.01	-8,631.6	275.1	769.6	613.1	156.48	4.918
21,200.0	12,415.0	21,169.0	12,415.0	88.9	69.8	-90.01	-8,731.6	275.9	769.6	611.4	158.15	4.866
21,300.0	12,415.0	21,269.0	12,415.0	89.9	70.5	-90.01	-8,831.6	276.6	769.6	609.8	159.83	4.815
21,400.0	12,415.0	21,369.0	12,415.0	90.8	71.3	-90.01	-8,931.6	277.4	769.6	608.1	161.50	4.765
21,500.0	12,415.0	21,469.0	12,415.0	91.7	72.0	-90.01	-9,031.5	278.1	769.6	606.4	163.18	4.716
21,600.0	12,415.0	21,569.0	12,415.0	92.7	72.8	-90.01	-9,131.5	278.9	769.6	604.8	164.86	4.668
21,700.0	12,415.0	21,669.0	12,415.0	93.6	73.6	-90.01	-9,231.5	279.7	769.6	603.1	166.53	4.621
21,800.0	12,415.0	21,769.0	12,415.0	94.5	74.3	-90.01	-9,331.5	280.4	769.6	601.4	168.21	4.575
21,900.0	12,415.0	21,869.0	12,415.0	95.5	75.1	-90.01	-9,431.5	281.2	769.6	599.8	169.89	4.530
22,000.0	12,415.0	21,969.0	12,415.0	96.4	75.8	-90.01	-9,531.5	281.9	769.7	598.1	171.57	4.486
22,100.0	12,415.0	22,069.0	12,415.0	97.3	76.6	-90.01	-9,631.5	282.7	769.7	596.4	173.25	4.442
22,200.0	12,415.0	22,169.0	12,415.0	98.3	77.4	-90.01	-9,731.5	283.4	769.7	594.7	174.94	4.400
22,300.0	12,415.0	22,269.0	12,415.0	99.2	78.1	-90.01	-9,831.5	284.2	769.7	593.1	176.62	4.358
22,400.0	12,415.0	22,369.0	12,415.0	100.2	78.9	-90.01	-9,931.5	285.0	769.7	591.4	178.30	4.317
22,500.0	12,415.0	22,469.0	12,415.0	101.1	79.6	-90.01	-10,031.5	285.7	769.7	589.7	179.99	4.276
22,600.0	12,415.0	22,569.0	12,415.0	102.0	80.4	-90.01	-10,131.5	286.5	769.7	588.0	181.67	4.237

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation	Warning	
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Separation	Factor
Depth	Depth	Depth	Depth	(usft)	(usft)	Toolface	+N/-S	+E/-W	Centres	Ellipses	(usft)	
(usft)	(usft)	(usft)	(usft)			(°)	(usft)	(usft)	(usft)	(usft)		
22,700.0	12,415.0	22,669.0	12,415.0	103.0	81.1	-90.01	-10,231.5	287.2	769.7	586.3	183.36	4.198
22,800.0	12,415.0	22,769.0	12,415.0	103.9	81.9	-90.01	-10,331.5	288.0	769.7	584.7	185.05	4.160
22,900.0	12,415.0	22,869.0	12,415.0	104.9	82.7	-90.01	-10,431.5	288.7	769.7	583.0	186.73	4.122
23,000.0	12,415.0	22,969.0	12,415.0	105.8	83.4	-90.01	-10,531.5	289.5	769.7	581.3	188.42	4.085
23,100.0	12,415.0	23,069.0	12,415.0	106.7	84.2	-90.01	-10,631.5	290.2	769.7	579.6	190.11	4.049
23,200.0	12,415.0	23,169.0	12,415.0	107.7	84.9	-90.01	-10,731.5	291.0	769.7	577.9	191.80	4.013
23,300.0	12,415.0	23,269.0	12,415.0	108.6	85.7	-90.01	-10,831.5	291.8	769.7	576.3	193.49	3.978
23,400.0	12,415.0	23,369.0	12,415.0	109.6	86.5	-90.01	-10,931.5	292.5	769.7	574.6	195.18	3.944
23,500.0	12,415.0	23,469.0	12,415.0	110.5	87.2	-90.01	-11,031.5	293.3	769.8	572.9	196.87	3.910
23,600.0	12,415.0	23,569.0	12,415.0	111.5	88.0	-90.01	-11,131.5	294.0	769.8	571.2	198.56	3.877
23,700.0	12,415.0	23,669.0	12,415.0	112.4	88.7	-90.01	-11,231.5	294.8	769.8	569.5	200.25	3.844
23,800.0	12,415.0	23,769.0	12,415.0	113.3	89.5	-90.01	-11,331.5	295.5	769.8	567.8	201.94	3.812
23,900.0	12,415.0	23,869.0	12,415.0	114.3	90.3	-90.01	-11,431.5	296.3	769.8	566.1	203.64	3.780
24,000.0	12,415.0	23,969.0	12,415.0	115.2	91.0	-90.01	-11,531.5	297.1	769.8	564.5	205.33	3.749
24,100.0	12,415.0	24,069.0	12,415.0	116.2	91.8	-90.01	-11,631.5	297.8	769.8	562.8	207.02	3.718
24,200.0	12,415.0	24,169.0	12,415.0	117.1	92.5	-90.01	-11,731.5	298.6	769.8	561.1	208.72	3.688
24,300.0	12,415.0	24,269.0	12,415.0	118.1	93.3	-90.01	-11,831.5	299.3	769.8	559.4	210.41	3.659
24,400.0	12,415.0	24,369.0	12,415.0	119.0	94.1	-90.01	-11,931.5	300.1	769.8	557.7	212.11	3.629
24,500.0	12,415.0	24,469.0	12,415.0	120.0	94.8	-90.01	-12,031.5	300.8	769.8	556.0	213.80	3.601
24,600.0	12,415.0	24,569.0	12,415.0	120.9	95.6	-90.01	-12,131.5	301.6	769.8	554.3	215.50	3.572
24,700.0	12,415.0	24,669.0	12,415.0	121.9	96.3	-90.01	-12,231.5	302.4	769.8	552.6	217.20	3.544
24,800.0	12,415.0	24,769.0	12,415.0	122.8	97.1	-90.01	-12,331.5	303.1	769.8	550.9	218.89	3.517
24,900.0	12,415.0	24,869.0	12,415.0	123.8	97.9	-90.01	-12,431.5	303.9	769.8	549.3	220.59	3.490
25,000.0	12,415.0	24,969.0	12,415.0	124.7	98.6	-90.01	-12,531.4	304.6	769.9	547.6	222.29	3.463
25,100.0	12,415.0	25,069.0	12,415.0	125.7	99.4	-90.01	-12,631.4	305.4	769.9	545.9	223.99	3.437
25,200.0	12,415.0	25,169.0	12,415.0	126.6	100.1	-90.01	-12,731.4	306.1	769.9	544.2	225.68	3.411
25,300.0	12,415.0	25,269.0	12,415.0	127.6	100.9	-90.01	-12,831.4	306.9	769.9	542.5	227.38	3.386
25,400.0	12,415.0	25,369.0	12,415.0	128.5	101.7	-90.01	-12,931.4	307.6	769.9	540.8	229.08	3.361
25,500.0	12,415.0	25,469.0	12,415.0	129.5	102.4	-90.01	-13,031.4	308.4	769.9	539.1	230.78	3.336
25,600.0	12,415.0	25,569.0	12,415.0	130.4	103.2	-90.01	-13,131.4	309.2	769.9	537.4	232.48	3.312
25,700.0	12,415.0	25,669.0	12,415.0	131.4	104.0	-90.01	-13,231.4	309.9	769.9	535.7	234.18	3.288
25,800.0	12,415.0	25,769.0	12,415.0	132.3	104.7	-90.01	-13,331.4	310.7	769.9	534.0	235.88	3.264
25,900.0	12,415.0	25,869.0	12,415.0	133.3	105.5	-90.01	-13,431.4	311.4	769.9	532.3	237.58	3.241
26,000.0	12,415.0	25,969.0	12,415.0	134.2	106.2	-90.01	-13,531.4	312.2	769.9	530.6	239.28	3.218
26,100.0	12,415.0	26,069.0	12,415.0	135.2	107.0	-90.01	-13,631.4	312.9	769.9	528.9	240.98	3.195
26,200.0	12,415.0	26,169.0	12,415.0	136.1	107.8	-90.01	-13,731.4	313.7	769.9	527.2	242.69	3.173
26,300.0	12,415.0	26,269.0	12,415.0	137.1	108.5	-90.01	-13,831.4	314.5	769.9	525.6	244.39	3.150
26,400.0	12,415.0	26,369.0	12,415.0	138.0	109.3	-90.01	-13,931.4	315.2	769.9	523.9	246.09	3.129
26,500.0	12,415.0	26,469.0	12,415.0	139.0	110.0	-90.01	-14,031.4	316.0	770.0	522.2	247.79	3.107
26,600.0	12,415.0	26,569.0	12,415.0	139.9	110.8	-90.01	-14,131.4	316.7	770.0	520.5	249.49	3.086
26,700.0	12,415.0	26,669.0	12,415.0	140.9	111.6	-90.01	-14,231.4	317.5	770.0	518.8	251.20	3.065
26,800.0	12,415.0	26,769.0	12,415.0	141.8	112.3	-90.01	-14,331.4	318.2	770.0	517.1	252.90	3.045
26,900.0	12,415.0	26,869.0	12,415.0	142.8	113.1	-90.01	-14,431.4	319.0	770.0	515.4	254.60	3.024
27,000.0	12,415.0	26,969.0	12,415.0	143.8	113.9	-90.01	-14,531.4	319.7	770.0	513.7	256.31	3.004
27,100.0	12,415.0	27,069.0	12,415.0	144.7	114.6	-90.01	-14,631.4	320.5	770.0	512.0	258.01	2.984
27,200.0	12,415.0	27,169.0	12,415.0	145.7	115.4	-90.01	-14,731.4	321.3	770.0	510.3	259.72	2.965
27,300.0	12,415.0	27,269.0	12,415.0	146.6	116.1	-90.01	-14,831.4	322.0	770.0	508.6	261.42	2.945
27,400.0	12,415.0	27,369.0	12,415.0	147.6	116.9	-90.01	-14,931.4	322.8	770.0	506.9	263.13	2.926
27,500.0	12,415.0	27,469.0	12,415.0	148.5	117.7	-90.01	-15,031.4	323.5	770.0	505.2	264.83	2.908
27,600.0	12,415.0	27,569.0	12,415.0	149.5	118.4	-90.01	-15,131.4	324.3	770.0	503.5	266.54	2.889
27,700.0	12,415.0	27,669.0	12,415.0	150.4	119.2	-90.01	-15,231.4	325.0	770.0	501.8	268.24	2.871

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

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Offset Design:	MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #603H - OWB - PWP3											Offset Site Error:	0.0 usft
Survey Program:	0-r.5 SDI_KPR_WL_NS-CT, 11958-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:									
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
									(usft)	(usft)			
27,800.0	12,415.0	27,769.0	12,415.0	151.4	120.0	-90.01	-15,331.4	325.8	770.0	500.1	269.95	2.853	
27,900.0	12,415.0	27,869.0	12,415.0	152.4	120.7	-90.01	-15,431.4	326.6	770.0	498.4	271.65	2.835	
27,903.8	12,415.0	27,872.8	12,415.0	152.4	120.7	-90.01	-15,435.2	326.6	770.0	498.3	271.72	2.834	
27,984.8	12,415.0	27,900.8	12,415.0	153.2	121.0	-90.01	-15,463.2	326.8	771.9	499.9	271.99	2.838	

ConocoPhillips

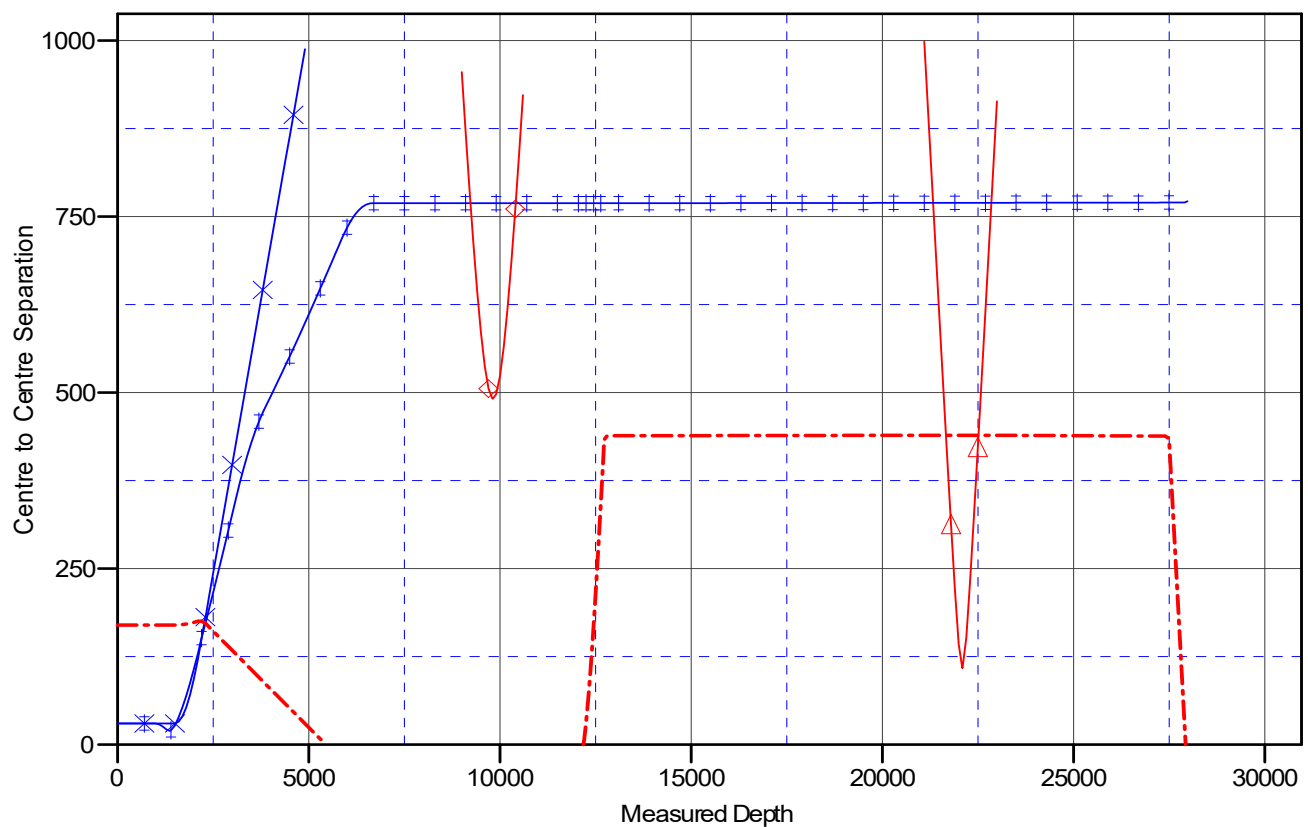
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27 @ 3743.5usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #602H - Slot MEAT LOVER
 Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Grid Convergence at Surface is: 0.39°

Ladder Plot



LEGEND

BRINNINSTOOL #3 (TA), OWB, AWP V0
 JAGUAR '18' STATE #3H, OWB, AWP V0
 MEAT LOVER FED COM #603H OWB, PWP3 V0
 MEAT LOVER FED COM #601H OWB, PWP4 V0

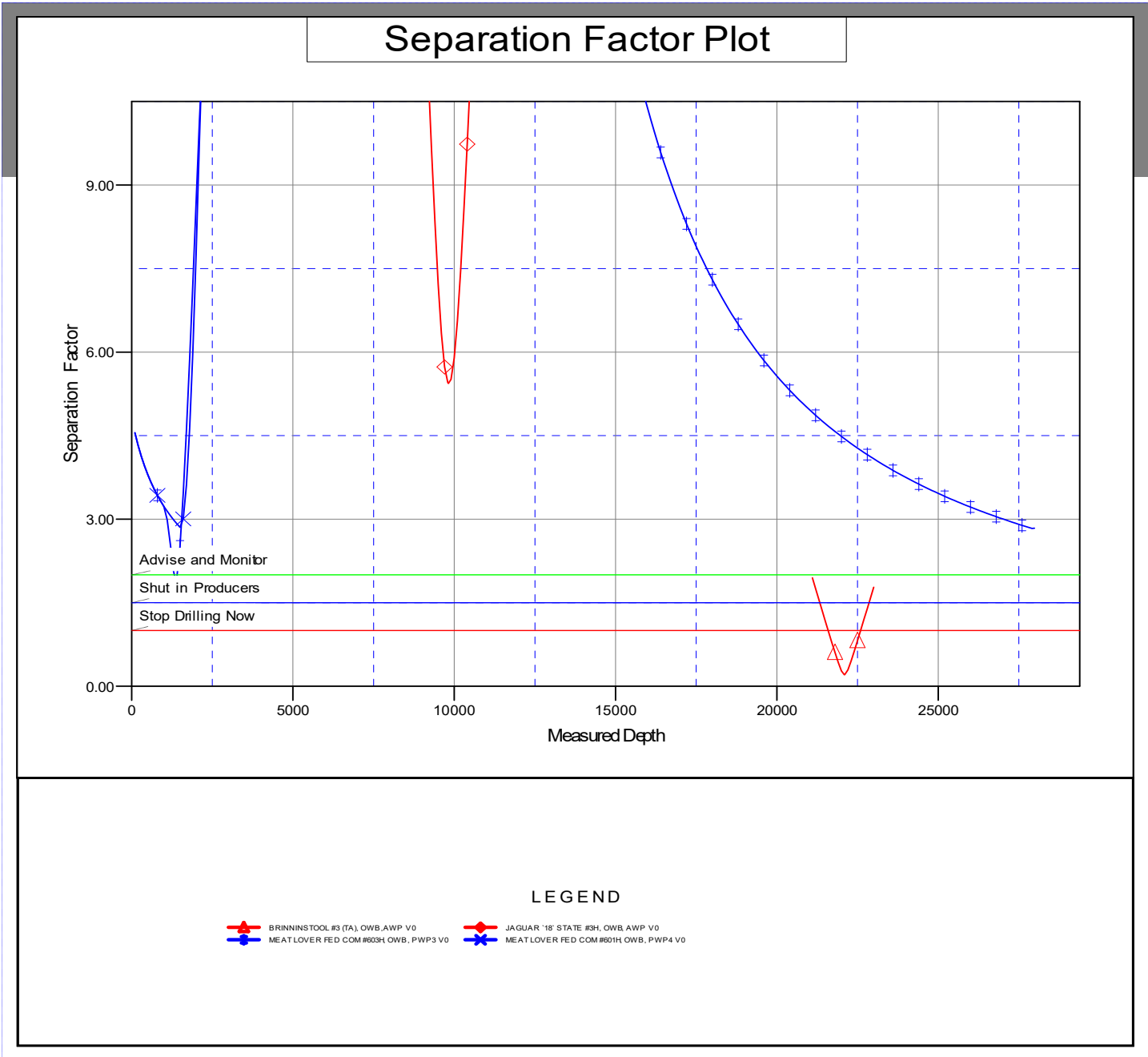
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #602H - Slot MEAT LOVER FED COM #602H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3743.5usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3743.5usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #602H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 17 Central Planning Prod
Reference Design:	PWP4	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27 @ 3743.5usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #602H - Slot MEAT LOVER
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.39°



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

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

CONDITIONS

Action 291107

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 291107
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	None	1/17/2024