

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	

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well		
☐ Oil Well	☐ Gas Well	☐ Other
2. Name of Operator		
3a. Address	3b. Phone No. (include area code)	
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		

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 recompleation 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 / 1280 FEL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311277 / LONG: -103.607064 (TVD: 0 feet, MD: 0 feet)

PPP: NENE / 100 FNL / 330 FEL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311735 / LONG: -103.60399 (TVD: 12312 feet, MD: 12443 feet)

PPP: NENE / 1 FNL / 330 FEL / TWSP: 23S / RANGE: 33E / SECTION: 19 / LAT: 32.297509 / LONG: -103.603977 (TVD: 12495 feet, MD: 17600 feet)

BHL: NESE / 1370 FSL / 330 FEL / TWSP: 23S / RANGE: 33E / SECTION: 30 / LAT: 32.27224 / LONG: -103.603953 (TVD: 12542 feet, MD: 26693 feet)

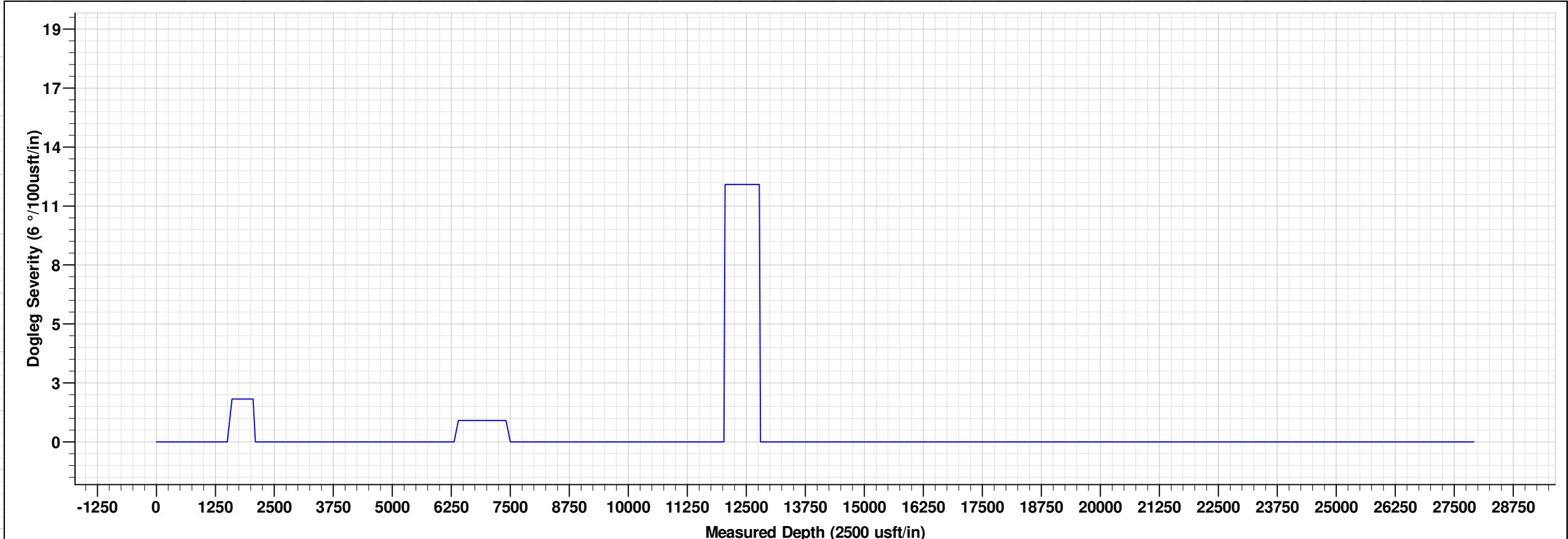
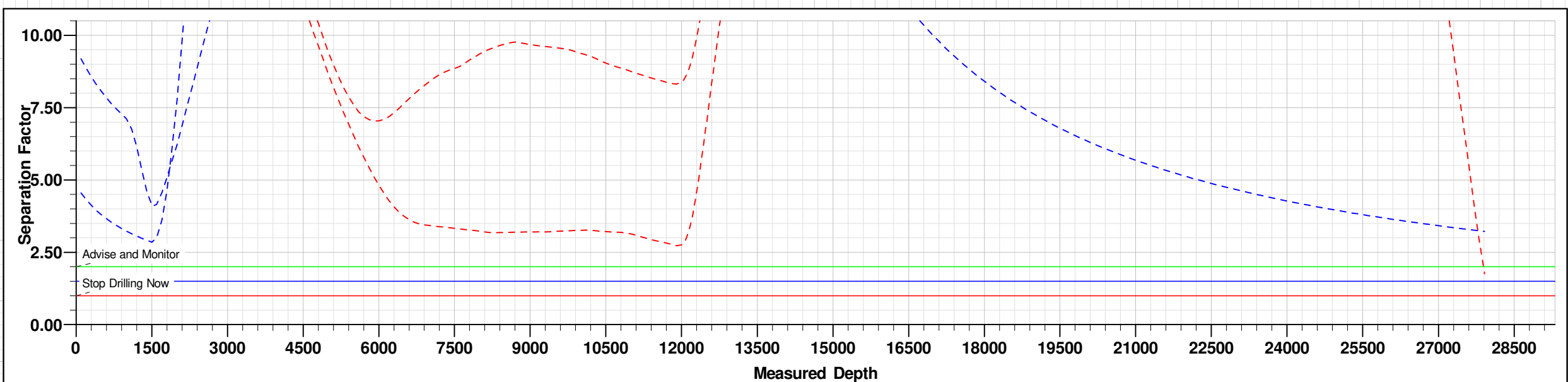
CONFIDENTIAL



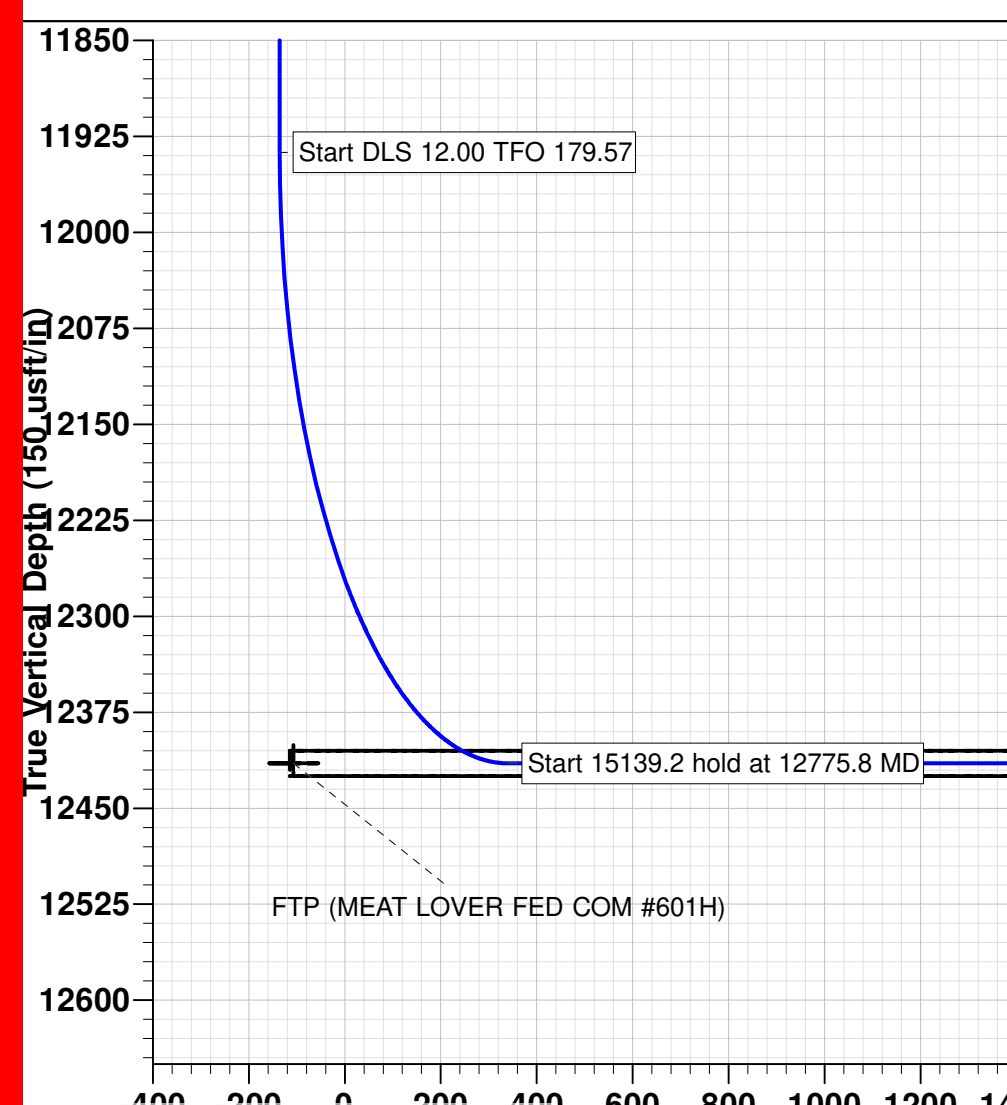
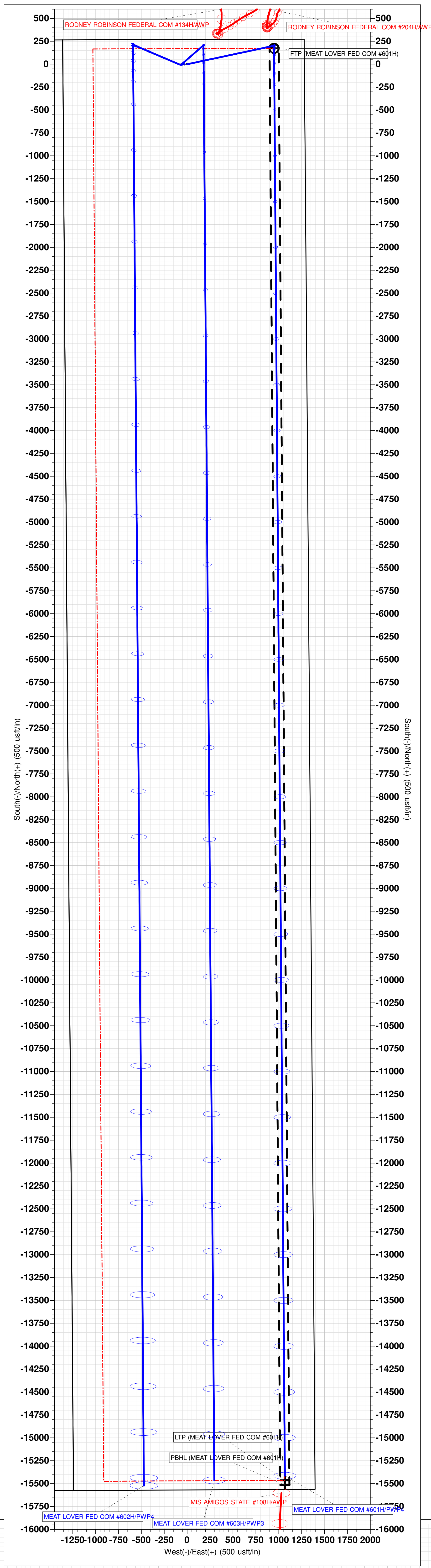
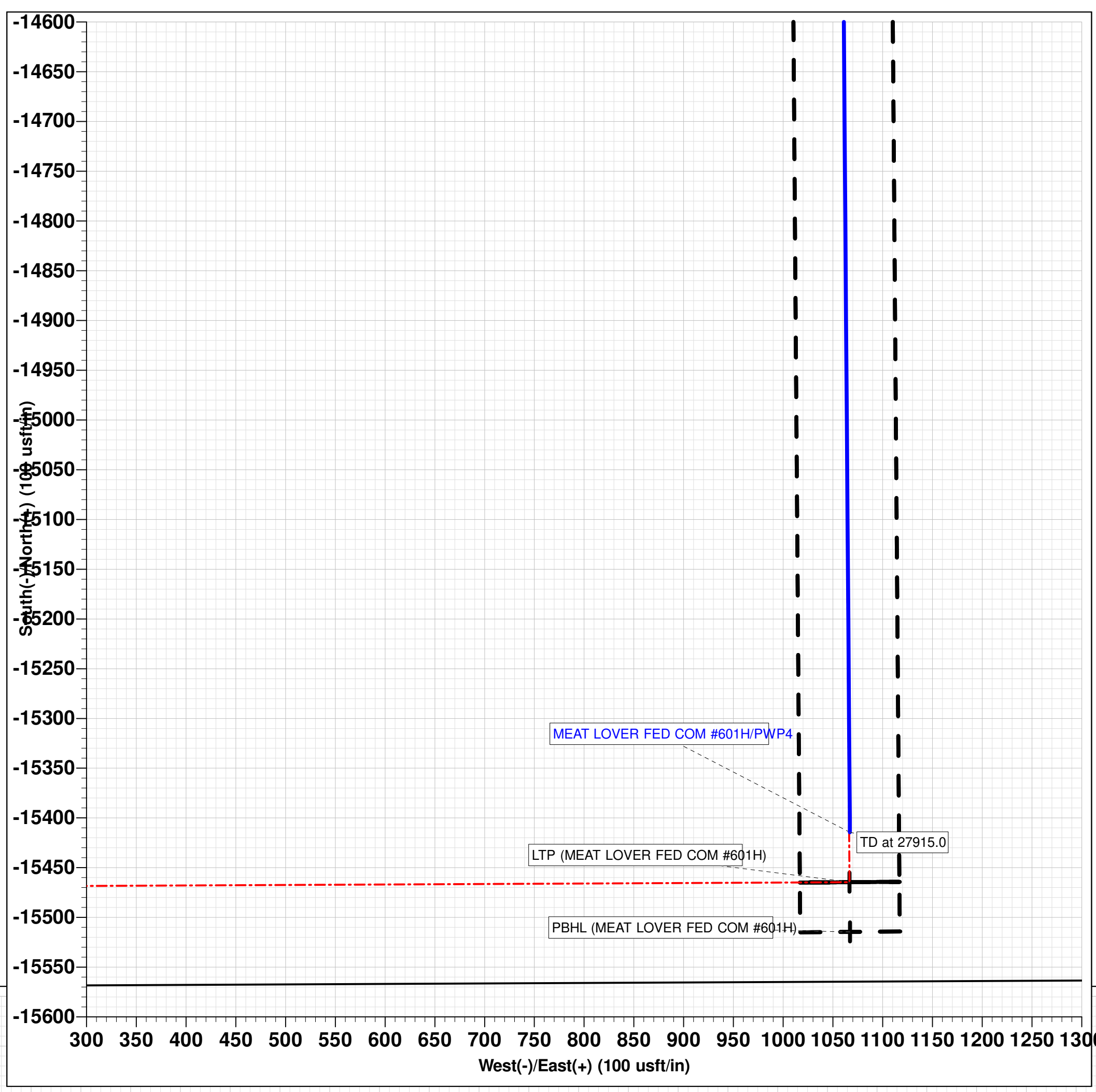
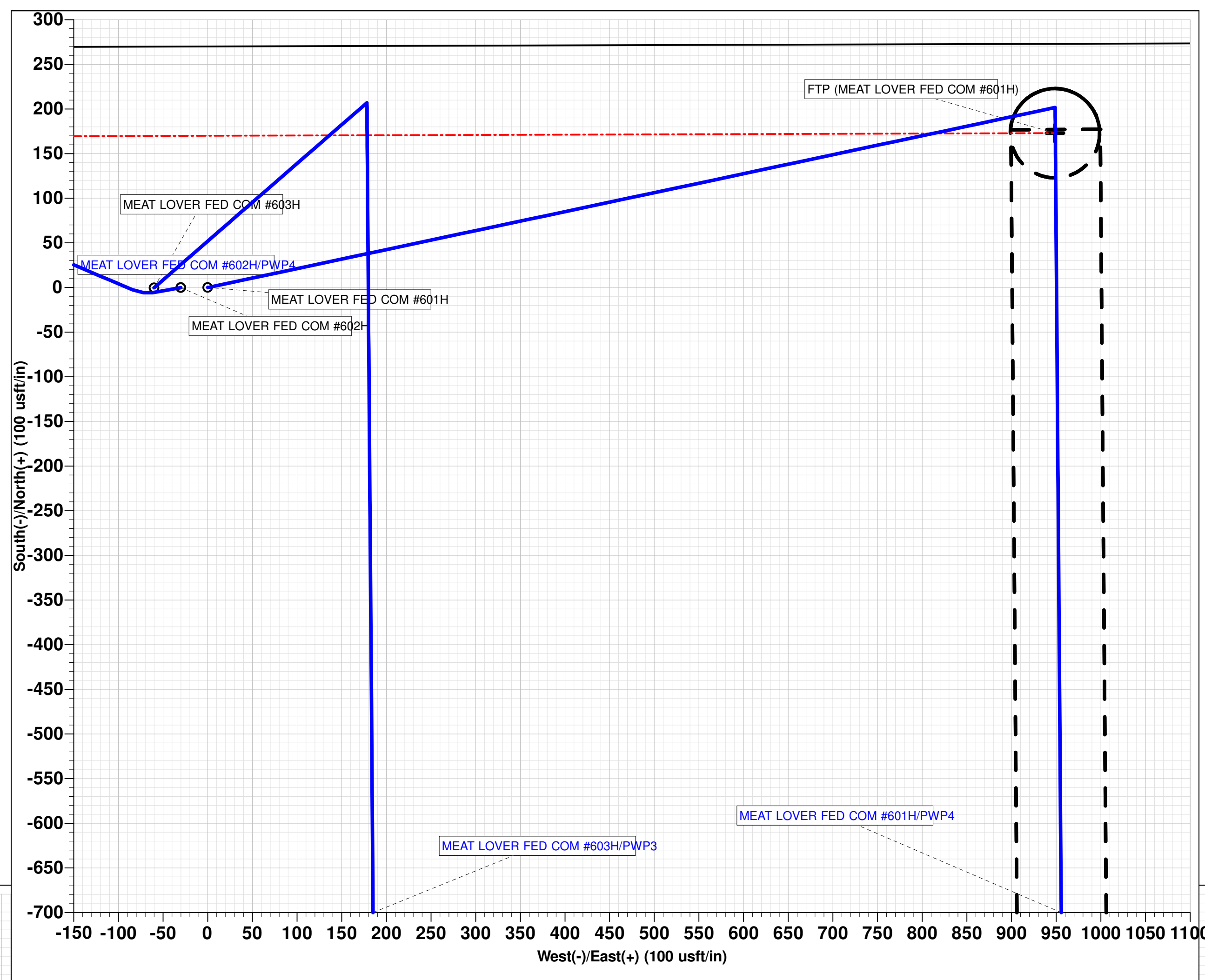
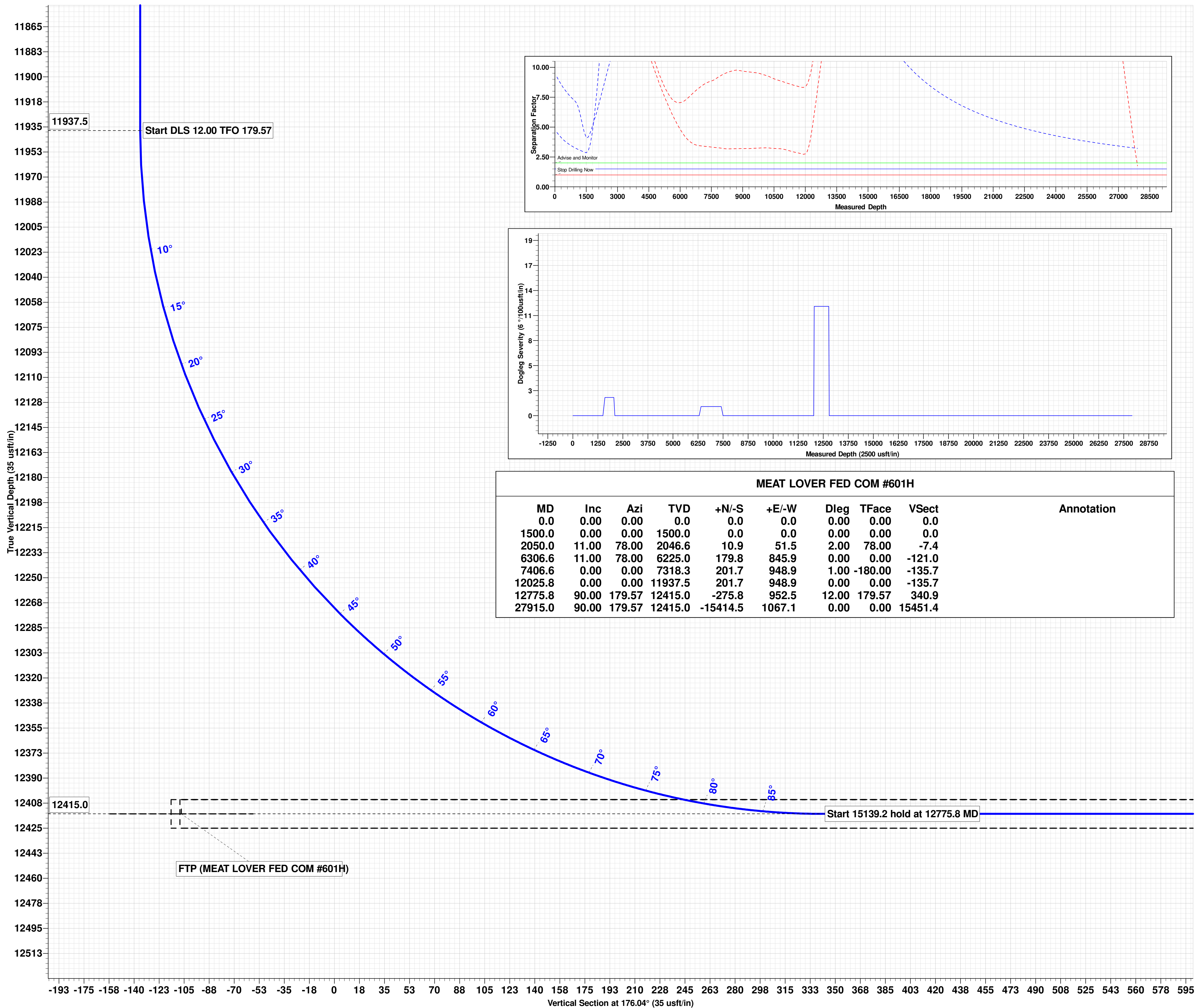
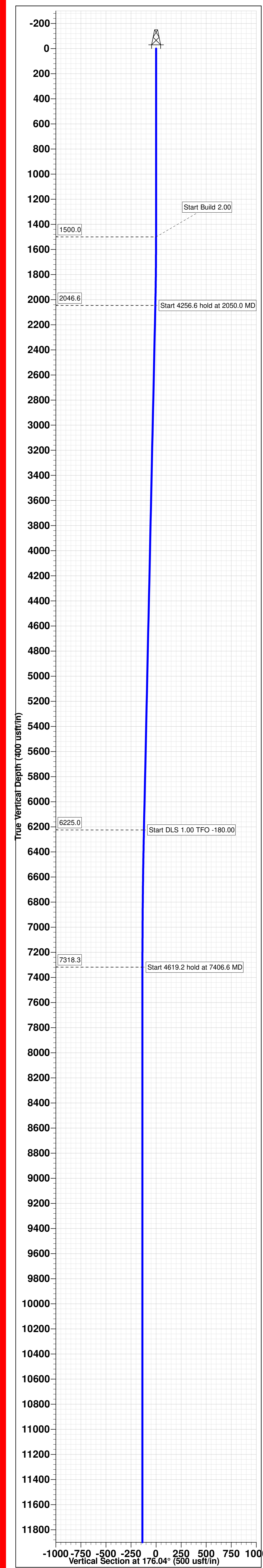
Project: LEA COUNTY SOUTHEAST
Site: MEAT LOVER FED COM PROJECT
Well: MEAT LOVER FED COM #601H
Wellbore: OWB
Design: PWP4
GL: 3715.8
KB=27 @ 3742.8usft

WELL DETAILS: MEAT LOVER FED COM #601H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	477675.50	724527.60	32° 18' 40.154 N	103° 36' 23.695 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (MEAT LOVER FED COM #601H)	12415.0	172.9	948.7	477848.40	725476.30
LTP (MEAT LOVER FED COM #601H)	12415.0	-15464.5	1066.8	462211.00	725594.40
PBHL (MEAT LOVER FED COM #601H)	12415.0	-15514.5	1067.2	462161.00	725594.80



MEAT LOVER FED COM #601H									
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	
2050.0	11.00	78.00	2046.6	10.9	51.5	2.00	78.00	-7.4	
6306.6	11.00	78.00	6225.0	179.8	845.9	0.00	0.00	-121.0	
7406.6	0.00	0.00	7318.3	201.7	948.9	1.00	-180.00	-135.7	
12025.8	0.00	0.00	11937.5	201.7	948.9	0.00	0.00	-135.7	
12775.8	90.00	179.57	12415.0	-275.8	952.5	12.00	179.57	340.9	
27915.0	90.00	179.57	12415.0	-15414.5	1067.1	0.00	0.00	15451.4	



MEAT LOVER FED COM #601H/PWP4

LTP (MEAT LOVER FED COM #601H)

PBHL (MEAT LOVER FED COM #601H)

DELAWARE BASIN EAST

LEA COUNTY SOUTHEAST

MEAT LOVER FED COM PROJECT

MEAT LOVER FED COM #601H

OWB

PWP4

Anticollision Report

14 November, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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	12,025.8	PWP4 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5
12,025.8	27,915.0	PWP4 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
CALZONE FEDERAL PROJECT						
RODNEY ROBINSON FEDERAL COM #134H - OWB - A	5,854.4	5,834.6	386.3	331.6	7.057	CC, ES
RODNEY ROBINSON FEDERAL COM #134H - OWB - A	5,900.0	5,877.8	386.7	331.7	7.041	SF
RODNEY ROBINSON FEDERAL COM #204H - OWB - A	8,231.1	8,173.6	205.8	141.1	3.182	CC
RODNEY ROBINSON FEDERAL COM #204H - OWB - A	11,909.4	11,852.7	207.8	131.7	2.730	ES, SF
MACHO NACHO STATE PROJECT (BULLDOG 2433)						
MIS AMIGOS STATE #108H - OWB - AWP	27,915.0	17,443.0	232.3	100.0	1.756	Advise and Monitor, CC, ES.
MEAT LOVER FED COM PROJECT						
MEAT LOVER FED COM #602H - OWB - PWP4	1,466.4	1,467.1	30.0	19.6	2.874	CC
MEAT LOVER FED COM #602H - OWB - PWP4	1,500.0	1,500.7	30.0	19.5	2.853	ES, SF
MEAT LOVER FED COM #603H - OWB - PWP3	1,517.1	1,520.3	39.2	29.7	4.092	CC, ES
MEAT LOVER FED COM #603H - OWB - PWP3	27,915.0	27,857.9	770.6	531.7	3.225	SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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

TD Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
CALZONE FEDERAL PROJECT						
RODNEY ROBINSON FEDERAL COM #134H - OWB - A	27,915.0	11,679.0				Out of Range @TD
RODNEY ROBINSON FEDERAL COM #204H - OWB - A	27,915.0	11,894.0				Out of Range @TD
MACHO NACHO STATE PROJECT (BULLDOG 2433)						
MIS AMIGOS STATE #108H - OWB - AWP	27,915.0	17,443.0	232.3	100.0	1.756	Advise and Monitor, CC, ES,
MEAT LOVER FED COM PROJECT						
MEAT LOVER FED COM #602H - OWB - PWP4	27,915.0	27,888.8				Out of Range @TD
MEAT LOVER FED COM #603H - OWB - PWP3	27,915.0	27,857.9	770.6	531.7	3.225	SF

Offset Design: CALZONE FEDERAL PROJECT - RODNEY ROBINSON FEDERAL COM #134H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 250-INC-ONLY, 1350-MWD+HDGM									Rule Assigned:				Offset Well Error: 3.0 usft	
Reference	Offset	Reference	Offset				Offset Wellbore Centre		Distance					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
3,100.0	3,077.3	3,213.4	3,202.6	6.9	34.1	-34.03	740.6	940.8	984.3	935.7	48.58	20.262		
3,200.0	3,175.5	3,304.1	3,292.6	7.1	34.2	-34.78	734.4	931.5	956.6	907.8	48.74	19.627		
3,300.0	3,273.7	3,410.7	3,398.3	7.2	34.3	-35.72	727.1	920.2	928.8	879.9	48.82	19.023		
3,400.0	3,371.8	3,514.1	3,500.8	7.4	34.4	-36.75	719.7	907.6	900.0	851.0	48.93	18.394		
3,500.0	3,470.0	3,603.0	3,588.7	7.6	34.5	-37.71	713.3	896.7	871.3	822.2	49.12	17.738		
3,600.0	3,568.1	3,694.0	3,678.9	7.7	34.6	-38.73	707.0	885.9	843.4	794.1	49.31	17.106		
3,700.0	3,666.3	3,784.6	3,768.7	7.9	34.7	-39.80	700.9	875.8	816.3	766.8	49.50	16.492		
3,800.0	3,764.5	3,877.9	3,861.2	8.1	34.8	-40.95	694.8	865.7	789.9	740.2	49.68	15.898		
3,900.0	3,862.6	3,970.8	3,953.4	8.2	34.9	-42.16	688.8	855.9	764.0	714.2	49.88	15.319		
4,000.0	3,960.8	4,081.1	4,062.8	8.4	35.0	-43.73	681.2	843.5	737.8	687.9	49.96	14.768		
4,100.0	4,059.0	4,179.6	4,160.1	8.6	35.1	-45.29	673.6	831.1	710.7	660.5	50.13	14.177		
4,200.0	4,157.1	4,265.0	4,244.8	8.8	35.2	-46.62	666.5	821.7	684.4	634.0	50.39	13.582		
4,300.0	4,255.3	4,355.8	4,334.9	9.0	35.4	-47.89	658.3	814.6	659.5	608.9	50.62	13.030		
4,400.0	4,353.5	4,449.5	4,428.0	9.1	35.5	-49.17	649.5	808.6	635.5	584.7	50.83	12.503		
4,500.0	4,451.6	4,551.8	4,529.6	9.3	35.6	-50.79	640.2	801.0	611.5	560.5	50.98	11.995		
4,600.0	4,549.8	4,659.3	4,636.0	9.5	35.8	-52.86	629.7	790.0	586.3	535.2	51.09	11.476		
4,700.0	4,647.9	4,751.1	4,726.9	9.7	35.9	-54.72	620.1	781.2	561.2	509.9	51.33	10.933		
4,800.0	4,746.1	4,848.7	4,823.5	9.9	36.1	-56.75	609.4	772.7	536.8	485.3	51.53	10.418		
4,900.0	4,844.3	4,944.2	4,917.8	10.1	36.2	-59.27	599.7	761.3	512.7	461.0	51.75	9.907		
5,000.0	4,942.4	5,034.3	5,006.8	10.2	36.4	-61.98	591.4	749.8	490.2	438.2	52.04	9.419		
5,100.0	5,040.6	5,126.7	5,098.0	10.4	36.5	-65.04	583.5	737.8	469.6	417.3	52.32	8.975		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 - RODNEY ROBINSON FEDERAL COM #134H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		250-INC-ONLY, 1350-MWD+HDGM						Rule Assigned:					Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
5,200.0	5,138.8	5,221.1	5,191.2	10.6	36.7	-68.50	575.7	724.8	450.7	398.1	52.59	8.570		
5,300.0	5,236.9	5,314.2	5,283.1	10.8	36.8	-72.18	568.2	712.0	433.7	380.9	52.88	8.202		
5,400.0	5,335.1	5,409.4	5,377.0	11.0	37.0	-76.30	560.4	698.1	418.9	365.7	53.17	7.877		
5,500.0	5,433.2	5,504.4	5,470.4	11.2	37.2	-80.87	552.4	682.7	406.1	352.6	53.49	7.592		
5,600.0	5,531.4	5,596.9	5,561.3	11.4	37.4	-85.60	544.4	667.4	396.3	342.4	53.84	7.360		
5,700.0	5,629.6	5,688.2	5,651.1	11.6	37.6	-90.38	536.9	652.6	389.9	335.7	54.20	7.194		
5,800.0	5,727.7	5,783.3	5,744.7	11.8	37.7	-95.40	529.1	637.6	386.8	332.2	54.55	7.091		
5,854.4	5,781.1	5,834.6	5,795.2	11.9	37.8	-98.11	524.9	629.7	386.3	331.6	54.75	7.057	CC, ES	
5,900.0	5,825.9	5,877.8	5,837.7	12.0	37.9	-100.37	521.3	623.2	386.7	331.7	54.91	7.041	SF	
6,000.0	5,924.1	5,972.8	5,931.4	12.2	38.1	-105.22	513.4	609.6	389.4	334.1	55.28	7.045		
6,100.0	6,022.2	6,068.5	6,025.9	12.4	38.3	-109.89	505.6	596.8	394.8	339.2	55.64	7.095		
6,200.0	6,120.4	6,163.7	6,120.0	12.6	38.5	-114.31	497.9	584.8	402.6	346.6	56.01	7.189		
6,300.0	6,218.5	6,259.5	6,214.8	12.8	38.7	-118.48	490.5	573.5	412.7	356.3	56.38	7.320		
6,306.6	6,225.0	6,265.8	6,221.1	12.8	38.7	-118.74	490.0	572.7	413.4	357.0	56.40	7.330		
6,400.0	6,316.8	6,356.2	6,310.7	13.0	38.9	-122.38	483.3	562.9	424.1	367.4	56.74	7.475		
6,500.0	6,415.5	6,450.9	6,404.6	13.2	39.1	-125.79	476.5	552.8	436.4	379.3	57.08	7.645		
6,600.0	6,514.3	6,548.8	6,501.8	13.4	39.3	-128.91	469.8	542.7	449.0	391.6	57.44	7.817		
6,700.0	6,613.5	6,648.7	6,601.0	13.6	39.5	-131.67	463.0	533.1	461.1	403.3	57.81	7.977		
6,800.0	6,712.8	6,747.9	6,699.6	13.7	39.7	-134.04	456.6	524.5	472.4	414.3	58.16	8.123		
6,900.0	6,812.3	6,843.5	6,794.7	13.9	40.0	-136.08	450.4	516.1	483.2	424.7	58.49	8.262		
7,000.0	6,912.0	6,937.9	6,888.4	14.1	40.2	-137.89	444.5	507.0	494.1	435.3	58.80	8.403		
7,100.0	7,011.8	7,036.9	6,986.7	14.3	40.4	-139.62	438.2	497.2	504.4	445.2	59.15	8.526		
7,200.0	7,111.7	7,134.6	7,083.8	14.4	40.6	-141.12	432.0	487.4	513.8	454.3	59.49	8.637		
7,300.0	7,211.7	7,234.0	7,182.4	14.6	40.8	-142.43	426.0	477.7	522.1	462.3	59.83	8.727		
7,400.0	7,311.7	7,334.2	7,282.0	14.7	41.0	-143.56	420.2	467.9	529.3	469.1	60.16	8.798		
7,406.6	7,318.3	7,340.9	7,288.7	14.7	41.1	-65.63	419.8	467.3	529.7	469.5	60.18	8.802		
7,500.0	7,411.7	7,435.1	7,382.4	14.7	41.3	-66.53	414.6	458.7	535.5	475.0	60.48	8.855		
7,600.0	7,511.7	7,528.8	7,475.5	14.8	41.5	-67.35	409.9	450.1	542.0	481.3	60.73	8.924		
7,700.0	7,611.7	7,619.3	7,565.3	14.8	41.7	-68.27	404.6	439.8	550.3	489.3	60.96	9.028		
7,800.0	7,711.7	7,715.2	7,660.2	14.8	42.0	-69.35	398.2	427.5	559.9	498.7	61.24	9.144		
7,900.0	7,811.7	7,815.5	7,759.4	14.9	42.2	-70.43	391.6	414.6	569.8	508.2	61.57	9.255		
8,000.0	7,911.7	7,918.7	7,861.6	14.9	42.5	-71.47	385.0	401.9	579.4	517.5	61.93	9.357		
8,100.0	8,011.7	8,023.1	7,965.2	15.0	42.7	-72.43	378.6	390.1	588.3	526.0	62.29	9.444		
8,200.0	8,111.7	8,127.2	8,068.6	15.0	43.0	-73.28	372.8	379.4	596.5	533.9	62.65	9.521		
8,300.0	8,211.7	8,229.9	8,170.6	15.1	43.2	-74.05	367.3	369.6	604.1	541.1	62.99	9.590		
8,400.0	8,311.7	8,335.4	8,275.6	15.1	43.5	-74.79	361.6	360.5	611.1	547.7	63.35	9.646		
8,500.0	8,411.7	8,436.5	8,376.3	15.2	43.7	-75.44	356.6	352.4	617.5	553.8	63.68	9.697		
8,600.0	8,511.7	8,539.6	8,479.0	15.2	44.0	-76.04	351.8	344.8	623.6	559.6	64.02	9.741		
8,700.0	8,611.7	8,650.6	8,589.6	15.2	44.3	-76.60	347.4	337.4	629.1	564.7	64.39	9.770		
8,800.0	8,711.7	8,770.7	8,709.6	15.3	44.5	-77.00	343.6	334.1	631.0	566.3	64.76	9.744		
8,900.0	8,811.7	8,870.5	8,809.4	15.3	44.8	-77.27	340.9	332.7	631.8	566.7	65.07	9.709		
9,000.0	8,911.7	8,969.1	8,907.9	15.4	45.0	-77.47	339.0	331.1	632.9	567.5	65.37	9.682		
9,100.0	9,011.7	9,069.9	9,008.7	15.4	45.2	-77.43	339.6	330.1	634.0	568.4	65.66	9.655		
9,200.0	9,111.7	9,167.4	9,106.2	15.5	45.4	-77.34	340.9	329.2	635.2	569.3	65.95	9.632		
9,300.0	9,211.7	9,265.5	9,204.3	15.5	45.6	-77.38	340.8	327.5	636.8	570.6	66.25	9.612		
9,400.0	9,311.7	9,363.1	9,301.9	15.6	45.9	-77.63	338.5	325.1	638.8	572.2	66.57	9.596		
9,500.0	9,411.7	9,467.4	9,406.1	15.6	46.1	-77.82	336.8	322.8	640.6	573.7	66.89	9.576		
9,600.0	9,511.7	9,568.3	9,506.9	15.7	46.3	-77.84	336.9	321.4	641.9	574.7	67.21	9.551		
9,700.0	9,611.7	9,663.5	9,602.2	15.7	46.6	-77.84	337.3	319.7	643.7	576.2	67.51	9.535		
9,800.0	9,711.7	9,782.2	9,720.9	15.8	46.8	-77.90	336.7	319.1	644.1	576.3	67.85	9.494		
9,900.0	9,811.7	9,884.7	9,823.4	15.8	47.0	-77.99	335.4	320.2	642.8	574.6	68.15	9.432		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 - RODNEY ROBINSON FEDERAL COM #134H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program:		250-INC-ONLY, 1350-MWD+HDGM						Rule Assigned:					Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis 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)				
10,000.0	9,911.7	9,980.4	9,919.0	15.9	47.3	-78.08	334.3	320.8	641.9	573.5	68.46	9.377		
10,100.0	10,011.7	10,077.6	10,016.2	15.9	47.5	-78.18	333.1	320.9	641.6	572.8	68.78	9.329		
10,200.0	10,111.7	10,188.6	10,127.2	16.0	47.7	-78.26	332.1	321.2	641.2	572.1	69.09	9.280		
10,300.0	10,211.7	10,299.1	10,237.6	16.0	48.0	-78.24	331.7	324.5	638.2	568.8	69.38	9.199		
10,400.0	10,311.7	10,394.0	10,332.5	16.1	48.2	-78.17	331.8	327.7	634.9	565.3	69.68	9.112		
10,500.0	10,411.7	10,490.8	10,429.3	16.2	48.4	-78.10	332.1	330.1	632.6	562.6	69.98	9.039		
10,600.0	10,511.7	10,585.0	10,523.4	16.2	48.6	-78.04	332.4	331.9	630.8	560.5	70.29	8.974		
10,700.0	10,611.7	10,683.6	10,622.1	16.3	48.8	-77.99	332.7	333.0	629.7	559.1	70.59	8.920		
10,800.0	10,711.7	10,782.2	10,720.6	16.3	49.0	-77.96	332.8	334.0	628.7	557.8	70.90	8.867		
10,900.0	10,811.7	10,885.1	10,823.6	16.4	49.2	-78.01	332.1	335.0	627.7	556.5	71.22	8.813		
11,000.0	10,911.7	10,987.0	10,925.4	16.4	49.5	-78.09	330.9	336.2	626.2	554.7	71.54	8.753		
11,100.0	11,011.7	11,084.3	11,022.7	16.5	49.7	-78.17	329.8	337.4	624.8	553.0	71.87	8.694		
11,200.0	11,111.7	11,183.9	11,122.3	16.6	49.9	-78.25	328.7	338.3	623.7	551.5	72.20	8.638		
11,300.0	11,211.7	11,282.7	11,221.1	16.6	50.2	-78.38	327.1	339.0	622.7	550.2	72.54	8.584		
11,400.0	11,311.7	11,383.6	11,322.0	16.7	50.4	-78.53	325.3	339.7	621.7	548.8	72.88	8.530		
11,500.0	11,411.7	11,482.2	11,420.5	16.7	50.7	-78.65	323.8	340.4	620.7	547.5	73.22	8.477		
11,600.0	11,511.7	11,581.3	11,519.7	16.8	50.9	-78.76	322.6	340.8	620.0	546.4	73.56	8.428		
11,700.0	11,611.7	11,680.3	11,618.5	16.9	51.1	-78.31	327.2	342.4	619.4	545.5	73.89	8.382		
11,800.0	11,711.7	11,784.0	11,719.2	16.9	51.3	-76.14	349.9	348.4	618.5	544.4	74.18	8.338		
11,824.0	11,735.7	11,805.6	11,739.5	16.9	51.4	-75.44	357.2	350.3	618.5	544.2	74.25	8.330		
11,900.0	11,811.7	11,870.0	11,798.1	17.0	51.5	-72.98	382.9	356.8	619.4	545.0	74.44	8.321		
12,000.0	11,911.7	11,938.1	11,857.2	17.0	51.6	-69.86	416.1	364.3	625.4	550.8	74.54	8.389		
12,025.8	11,937.5	11,965.0	11,879.5	17.1	51.6	-68.52	430.6	367.2	628.1	553.6	74.55	8.425		
12,050.0	11,961.7	11,965.0	11,879.5	17.1	51.6	111.57	430.6	367.2	631.2	556.7	74.45	8.478		
12,075.0	11,986.6	11,965.0	11,879.5	17.1	51.6	111.05	430.6	367.2	635.7	561.5	74.27	8.561		
12,100.0	12,011.4	11,989.9	11,899.8	17.1	51.6	111.94	444.9	369.8	640.9	566.6	74.28	8.628		
12,125.0	12,036.0	11,999.4	11,907.2	17.1	51.6	111.81	450.6	370.7	647.4	573.3	74.14	8.732		
12,150.0	12,060.3	12,007.9	11,913.9	17.1	51.7	111.51	455.9	371.4	655.1	581.1	73.98	8.855		
12,175.0	12,084.3	12,015.6	11,919.9	17.1	51.7	111.02	460.7	372.1	663.9	590.1	73.80	8.996		
12,200.0	12,107.8	12,022.3	11,925.1	17.1	51.7	110.34	465.0	372.7	673.7	600.1	73.60	9.154		
12,225.0	12,131.0	12,028.2	11,929.5	17.1	51.7	109.44	468.8	373.1	684.7	611.3	73.38	9.330		
12,250.0	12,153.5	12,033.3	11,933.3	17.1	51.7	108.32	472.1	373.5	696.7	623.5	73.16	9.523		
12,275.0	12,175.5	12,060.0	11,952.9	17.2	51.7	108.95	490.2	375.4	710.3	637.1	73.24	9.699		
12,300.0	12,196.9	12,060.0	11,952.9	17.2	51.7	107.09	490.2	375.4	724.0	651.0	72.97	9.922		
12,325.0	12,217.5	12,060.0	11,952.9	17.2	51.7	105.03	490.2	375.4	738.5	665.8	72.71	10.157		
12,350.0	12,237.3	12,060.0	11,952.9	17.2	51.7	102.76	490.2	375.4	753.9	681.4	72.46	10.404		
12,375.0	12,256.4	12,060.0	11,952.9	17.2	51.7	100.29	490.2	375.4	770.0	697.7	72.23	10.659		
12,400.0	12,274.5	12,060.0	11,952.9	17.2	51.7	97.62	490.2	375.4	786.7	714.7	72.03	10.922		
12,425.0	12,291.8	12,060.0	11,952.9	17.2	51.7	94.77	490.2	375.4	804.0	732.1	71.84	11.190		
12,450.0	12,308.0	12,060.0	11,952.9	17.2	51.7	91.75	490.2	375.4	821.7	750.0	71.69	11.462		
12,475.0	12,323.3	12,060.0	11,952.9	17.3	51.7	88.58	490.2	375.4	839.9	768.3	71.56	11.737		
12,500.0	12,337.5	12,060.0	11,952.9	17.3	51.7	85.30	490.2	375.4	858.3	786.9	71.46	12.012		
12,525.0	12,350.6	12,060.0	11,952.9	17.3	51.7	81.93	490.2	375.4	877.1	805.7	71.38	12.287		
12,550.0	12,362.5	12,060.0	11,952.9	17.3	51.7	78.51	490.2	375.4	896.0	824.6	71.33	12.560		
12,575.0	12,373.4	12,060.0	11,952.9	17.3	51.7	75.08	490.2	375.4	915.0	843.7	71.31	12.831		
12,600.0	12,383.0	12,060.0	11,952.9	17.4	51.7	71.67	490.2	375.4	934.1	862.8	71.31	13.099		
12,625.0	12,391.3	12,060.0	11,952.9	17.4	51.7	68.33	490.2	375.4	953.2	881.9	71.34	13.362		
12,650.0	12,398.5	12,027.9	11,929.3	17.4	51.7	62.88	468.6	373.1	970.9	900.0	70.88	13.697		
12,675.0	12,404.4	12,023.8	11,926.2	17.4	51.7	59.68	465.9	372.8	989.5	918.6	70.89	13.958		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 - RODNEY ROBINSON FEDERAL COM #204H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: Reference		250-INC-ONLY, 1449-MWD+HDGM						Rule Assigned: Distance					Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
3,200.0	3,175.5	3,316.1	3,302.8	7.1	37.8	-27.17	653.4	1,027.5	975.4	921.9	53.58	18.207		
3,300.0	3,273.7	3,406.2	3,392.0	7.2	37.8	-27.25	641.2	1,022.8	946.2	892.4	53.74	17.606		
3,400.0	3,371.8	3,498.0	3,482.9	7.4	37.9	-27.32	629.0	1,018.5	917.5	863.6	53.90	17.021		
3,500.0	3,470.0	3,585.5	3,569.6	7.6	38.0	-27.41	617.9	1,014.8	889.4	835.3	54.09	16.442		
3,600.0	3,568.1	3,677.8	3,661.2	7.7	38.1	-27.52	606.6	1,011.2	861.9	807.7	54.26	15.884		
3,700.0	3,666.3	3,765.6	3,748.3	7.9	38.2	-27.67	596.8	1,007.8	835.1	780.7	54.46	15.335		
3,800.0	3,764.5	3,871.3	3,853.3	8.1	38.3	-27.91	585.4	1,003.5	808.5	753.9	54.57	14.816		
3,900.0	3,862.6	3,983.8	3,964.9	8.2	38.4	-28.27	572.9	996.6	780.0	725.3	54.62	14.279		
4,000.0	3,960.8	4,075.2	4,055.5	8.4	38.5	-28.68	563.1	989.7	750.8	696.0	54.82	13.696		
4,100.0	4,059.0	4,160.0	4,139.7	8.6	38.6	-29.05	554.4	984.4	722.9	667.8	55.07	13.127		
4,200.0	4,157.1	4,240.9	4,220.1	8.8	38.7	-29.32	546.1	981.4	696.8	641.4	55.34	12.592		
4,300.0	4,255.3	4,331.0	4,309.8	9.0	38.8	-29.51	536.6	979.9	672.1	616.6	55.55	12.098		
4,400.0	4,353.5	4,428.8	4,407.0	9.1	38.9	-29.68	526.2	979.1	647.9	592.1	55.74	11.623		
4,500.0	4,451.6	4,539.5	4,517.0	9.3	39.0	-29.98	514.2	976.5	622.6	566.7	55.85	11.147		
4,600.0	4,549.8	4,635.3	4,612.1	9.5	39.1	-30.34	503.8	972.9	596.2	540.1	56.06	10.635		
4,700.0	4,647.9	4,728.5	4,704.7	9.7	39.2	-30.75	494.0	969.4	570.1	513.8	56.28	10.129		
4,800.0	4,746.1	4,822.3	4,798.0	9.9	39.4	-31.20	484.4	966.4	544.5	488.0	56.51	9.637		
4,900.0	4,844.3	4,924.7	4,899.8	10.1	39.5	-31.95	475.0	961.5	518.6	462.0	56.66	9.153		
5,000.0	4,942.4	5,014.9	4,989.7	10.2	39.6	-32.85	467.9	956.3	493.0	436.0	56.92	8.661		
5,100.0	5,040.6	5,105.0	5,079.4	10.4	39.7	-33.82	461.6	952.0	468.7	411.5	57.17	8.198		
5,200.0	5,138.8	5,197.8	5,171.9	10.6	39.9	-34.93	455.8	948.3	445.7	388.3	57.41	7.764		
5,300.0	5,236.9	5,295.2	5,269.1	10.8	40.0	-36.29	450.3	944.3	423.3	365.7	57.61	7.347		
5,400.0	5,335.1	5,392.4	5,366.0	11.0	40.1	-37.95	445.5	939.4	401.0	343.2	57.81	6.936		
5,500.0	5,433.2	5,488.2	5,461.6	11.2	40.3	-39.80	441.0	934.5	379.2	321.2	58.03	6.535		
5,600.0	5,531.4	5,583.2	5,556.4	11.4	40.4	-41.86	436.8	929.8	358.2	300.0	58.24	6.150		
5,700.0	5,629.6	5,678.2	5,651.2	11.6	40.6	-44.20	433.2	925.3	338.3	279.8	58.46	5.787		
5,800.0	5,727.7	5,774.4	5,747.3	11.8	40.7	-46.83	429.8	921.0	319.3	260.7	58.66	5.444		
5,900.0	5,825.9	5,870.3	5,843.0	12.0	40.8	-49.69	426.5	917.1	301.5	242.6	58.87	5.122		
6,000.0	5,924.1	5,967.2	5,939.8	12.2	41.0	-52.90	423.2	913.5	284.7	225.6	59.06	4.820		
6,100.0	6,022.2	6,062.7	6,035.2	12.4	41.1	-56.41	420.4	910.1	269.3	210.1	59.27	4.544		
6,200.0	6,120.4	6,159.6	6,132.0	12.6	41.3	-60.40	417.9	906.6	255.5	196.0	59.46	4.297		
6,300.0	6,218.5	6,256.7	6,229.0	12.8	41.4	-64.82	415.5	903.1	243.2	183.5	59.66	4.076		
6,306.6	6,225.0	6,263.0	6,235.4	12.8	41.4	-65.13	415.3	902.9	242.4	182.7	59.68	4.062		
6,400.0	6,316.8	6,353.4	6,325.7	13.0	41.6	-69.42	413.4	899.6	233.0	173.2	59.87	3.892		
6,500.0	6,415.5	6,451.7	6,423.9	13.2	41.7	-73.95	411.2	896.4	225.1	165.0	60.09	3.746		
6,600.0	6,514.3	6,550.0	6,522.1	13.4	41.9	-78.29	408.9	893.5	219.1	158.8	60.33	3.632		
6,700.0	6,613.5	6,648.4	6,620.4	13.6	42.1	-82.41	406.6	890.6	214.5	154.0	60.58	3.542		
6,800.0	6,712.8	6,745.5	6,717.5	13.7	42.2	-85.80	405.1	889.1	212.0	151.1	60.84	3.484		
6,900.0	6,812.3	6,844.3	6,816.3	13.9	42.4	-88.60	404.3	888.4	210.8	149.7	61.10	3.450		
7,000.0	6,912.0	6,944.0	6,916.0	14.1	42.6	-91.00	403.5	887.6	210.1	148.8	61.37	3.424		
7,100.0	7,011.8	7,043.4	7,015.4	14.3	42.7	-92.98	402.7	886.7	209.8	148.2	61.64	3.404		
7,200.0	7,111.7	7,143.2	7,115.2	14.4	42.9	-94.49	402.0	885.7	209.7	147.8	61.91	3.388		
7,300.0	7,211.7	7,243.1	7,215.1	14.6	43.1	-95.59	401.3	884.6	209.7	147.5	62.17	3.373		
7,400.0	7,311.7	7,343.2	7,315.1	14.7	43.3	-96.22	400.6	883.4	209.4	147.0	62.43	3.355		
7,406.6	7,318.3	7,349.8	7,321.7	14.7	43.3	-18.25	400.6	883.3	209.4	147.0	62.44	3.353		
7,500.0	7,411.7	7,443.2	7,415.2	14.7	43.4	-18.63	399.8	882.1	209.0	146.4	62.69	3.335		
7,600.0	7,511.7	7,543.4	7,515.3	14.8	43.6	-19.18	398.7	880.3	208.6	145.7	62.96	3.314		
7,700.0	7,611.7	7,643.2	7,615.1	14.8	43.8	-19.78	397.6	878.4	208.2	145.0	63.23	3.293		
7,800.0	7,711.7	7,743.3	7,715.2	14.8	44.0	-20.23	396.8	877.0	207.9	144.4	63.50	3.274		
7,900.0	7,811.7	7,843.5	7,815.4	14.9	44.2	-20.58	395.9	876.0	207.5	143.7	63.78	3.253		
8,000.0	7,911.7	7,943.6	7,915.4	14.9	44.4	-20.80	395.2	875.4	207.0	142.9	64.05	3.231		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 - RODNEY ROBINSON FEDERAL COM #204H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 250-INC-ONLY, 1449-MWD+HDGM													Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
8,100.0	8,011.7	8,043.6	8,015.5	15.0	44.6	-21.03	394.4	874.8	206.4	142.1	64.33	3.209		
8,200.0	8,111.7	8,143.4	8,115.2	15.0	44.8	-21.28	393.5	874.2	205.9	141.3	64.61	3.187		
8,231.1	8,142.8	8,173.6	8,145.5	15.0	44.8	-21.34	393.4	874.0	205.8	141.1	64.69	3.182 CC		
8,300.0	8,211.7	8,240.9	8,212.8	15.1	44.9	-21.35	393.7	873.8	206.1	141.3	64.87	3.178		
8,400.0	8,311.7	8,340.2	8,312.0	15.1	45.1	-21.28	394.7	873.7	207.1	142.0	65.12	3.181		
8,500.0	8,411.7	8,440.3	8,412.1	15.2	45.3	-21.32	395.6	873.2	208.2	142.8	65.39	3.184		
8,600.0	8,511.7	8,539.9	8,511.8	15.2	45.5	-21.45	396.6	872.3	209.4	143.7	65.66	3.189		
8,700.0	8,611.7	8,640.1	8,612.0	15.2	45.7	-21.44	397.7	871.9	210.6	144.7	65.93	3.194		
8,800.0	8,711.7	8,740.2	8,712.0	15.3	45.9	-21.38	398.8	871.7	211.7	145.5	66.21	3.197		
8,900.0	8,811.7	8,840.0	8,811.8	15.3	46.1	-21.43	399.8	871.1	212.9	146.4	66.48	3.202		
9,000.0	8,911.7	8,940.0	8,911.8	15.4	46.3	-21.61	400.7	870.1	214.1	147.3	66.77	3.206		
9,100.0	9,011.7	9,040.0	9,011.7	15.4	46.5	-21.98	401.3	868.4	215.3	148.2	67.07	3.209		
9,200.0	9,111.7	9,140.9	9,112.7	15.5	46.7	-22.37	401.8	866.6	216.4	149.0	67.38	3.211		
9,300.0	9,211.7	9,240.7	9,212.5	15.5	46.9	-22.36	402.4	866.3	217.1	149.4	67.66	3.208		
9,400.0	9,311.7	9,339.0	9,310.8	15.6	47.0	-22.21	403.7	866.4	218.3	150.3	67.94	3.213		
9,500.0	9,411.7	9,438.8	9,410.6	15.6	47.2	-22.01	405.7	866.4	220.1	151.8	68.22	3.226		
9,600.0	9,511.7	9,540.0	9,511.7	15.7	47.4	-21.89	407.3	866.3	221.5	153.0	68.52	3.233		
9,700.0	9,611.7	9,639.6	9,611.3	15.7	47.7	-21.82	408.5	866.1	222.8	154.0	68.82	3.237		
9,800.0	9,711.7	9,739.0	9,710.7	15.8	47.9	-21.85	409.9	865.4	224.4	155.3	69.11	3.247		
9,900.0	9,811.7	9,839.3	9,811.0	15.8	48.1	-21.87	411.5	864.7	226.1	156.7	69.42	3.257		
10,000.0	9,911.7	9,940.1	9,911.8	15.9	48.3	-21.68	413.0	864.9	227.4	157.6	69.73	3.261		
10,100.0	10,011.7	10,039.6	10,011.3	15.9	48.5	-21.45	414.6	865.2	228.7	158.7	70.03	3.267		
10,200.0	10,111.7	10,142.5	10,114.1	16.0	48.7	-20.95	416.0	866.9	229.4	159.1	70.35	3.262		
10,300.0	10,211.7	10,243.6	10,215.2	16.0	48.9	-20.16	416.8	869.9	229.2	158.5	70.66	3.243		
10,383.9	10,295.6	10,326.8	10,298.3	16.1	49.1	-19.55	417.5	872.2	229.0	158.1	70.91	3.230		
10,400.0	10,311.7	10,342.8	10,314.3	16.1	49.1	-19.44	417.7	872.7	229.0	158.1	70.96	3.228		
10,500.0	10,411.7	10,442.4	10,414.0	16.2	49.3	-18.78	418.6	875.1	229.1	157.9	71.27	3.215		
10,600.0	10,511.7	10,542.0	10,513.5	16.2	49.5	-18.32	419.5	876.8	229.4	157.8	71.58	3.205		
10,700.0	10,611.7	10,641.5	10,612.9	16.3	49.8	-18.07	420.3	877.6	229.9	158.0	71.90	3.198		
10,800.0	10,711.7	10,743.1	10,714.6	16.3	50.0	-18.03	420.8	877.6	230.4	158.2	72.23	3.189		
10,900.0	10,811.7	10,845.3	10,816.8	16.4	50.2	-17.94	420.2	878.2	229.7	157.1	72.57	3.165		
11,000.0	10,911.7	10,946.9	10,918.4	16.4	50.5	-17.85	419.0	878.9	228.3	155.4	72.91	3.131		
11,100.0	11,011.7	11,048.1	11,019.6	16.5	50.7	-17.95	416.9	879.2	226.3	153.0	73.26	3.089		
11,200.0	11,111.7	11,148.5	11,119.9	16.6	50.9	-18.17	414.3	879.1	223.9	150.3	73.60	3.042		
11,300.0	11,211.7	11,249.4	11,220.8	16.6	51.2	-18.56	411.3	878.5	221.2	147.3	73.95	2.991		
11,400.0	11,311.7	11,348.0	11,319.3	16.7	51.4	-19.06	408.0	877.6	218.4	144.1	74.31	2.939		
11,500.0	11,411.7	11,446.4	11,417.7	16.7	51.7	-19.67	405.3	876.1	216.2	141.6	74.66	2.896		
11,600.0	11,511.7	11,546.6	11,517.8	16.8	51.9	-20.28	403.1	874.5	214.7	139.7	75.02	2.862		
11,700.0	11,611.7	11,648.3	11,619.5	16.9	52.2	-20.89	400.3	873.1	212.7	137.3	75.38	2.822		
11,800.0	11,711.7	11,749.1	11,720.2	16.9	52.4	-21.59	397.0	871.6	210.1	134.4	75.74	2.774		
11,900.0	11,811.7	11,844.3	11,815.4	17.0	52.7	-22.22	394.1	870.3	207.8	131.7	76.09	2.731		
11,909.4	11,821.1	11,852.7	11,823.8	17.0	52.7	-22.25	394.0	870.2	207.8	131.7	76.11	2.730 ES, SF		
12,000.0	11,911.7	11,928.5	11,899.5	17.0	52.9	-22.18	396.0	869.7	210.4	134.1	76.25	2.759		
12,025.8	11,937.5	11,948.4	11,919.3	17.1	52.9	-21.95	397.9	869.8	212.6	136.4	76.20	2.790		
12,050.0	11,961.7	11,966.8	11,937.6	17.1	53.0	158.70	400.2	870.1	215.8	139.7	76.13	2.835		
12,075.0	11,986.6	11,990.0	11,960.5	17.1	53.0	159.17	404.0	870.8	221.1	144.9	76.17	2.903		
12,100.0	12,011.4	12,003.7	11,973.9	17.1	53.0	159.38	406.5	871.2	228.1	152.2	75.91	3.005		
12,125.0	12,036.0	12,021.4	11,991.2	17.1	53.1	159.73	410.2	871.7	236.9	161.1	75.77	3.126		
12,150.0	12,060.3	12,038.3	12,007.7	17.1	53.1	160.04	414.2	872.1	247.4	171.8	75.61	3.272		
12,175.0	12,084.3	12,054.4	12,023.2	17.1	53.1	160.29	418.2	872.4	259.6	184.1	75.45	3.440		
12,200.0	12,107.8	12,069.5	12,037.7	17.1	53.2	160.45	422.3	872.7	273.3	198.0	75.28	3.630		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 - RODNEY ROBINSON FEDERAL COM #204H - OWB - AWP											Offset Site Error:	0.0 usft
Survey Program: 250-INC-ONLY, 1449-MWD+HDGM											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum Separation	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)		
12,225.0	12,131.0	12,088.0	12,055.4	17.1	53.2	160.77	427.8	872.9	288.5	213.2	75.30	3.831
12,250.0	12,153.5	12,088.0	12,055.4	17.1	53.2	159.87	427.8	872.9	305.2	230.6	74.55	4.094
12,275.0	12,175.5	12,107.8	12,074.2	17.2	53.3	160.19	434.1	873.2	322.8	248.1	74.74	4.319
12,300.0	12,196.9	12,118.1	12,083.9	17.2	53.3	159.77	437.7	873.4	341.8	267.3	74.57	4.584
12,325.0	12,217.5	12,127.4	12,092.5	17.2	53.3	159.14	441.0	873.6	361.9	287.5	74.41	4.864
12,350.0	12,237.3	12,135.5	12,100.1	17.2	53.3	158.23	444.0	873.8	382.9	308.6	74.26	5.156
12,375.0	12,256.4	12,142.6	12,106.6	17.2	53.3	156.95	446.7	873.9	404.7	330.5	74.13	5.459
12,400.0	12,274.5	12,148.7	12,112.2	17.2	53.3	155.19	449.1	874.1	427.2	353.2	74.02	5.771
12,425.0	12,291.8	12,153.8	12,116.9	17.2	53.3	152.75	451.1	874.2	450.3	376.4	73.93	6.091
12,450.0	12,308.0	12,157.9	12,120.7	17.2	53.4	149.31	452.8	874.3	473.9	400.1	73.86	6.417
12,475.0	12,323.3	12,161.2	12,123.6	17.3	53.4	144.34	454.2	874.4	498.0	424.2	73.80	6.747
12,500.0	12,337.5	12,182.0	12,142.4	17.3	53.4	143.10	463.1	875.1	522.9	448.5	74.36	7.032
12,525.0	12,350.6	12,182.0	12,142.4	17.3	53.4	133.54	463.1	875.1	547.4	473.1	74.27	7.370
12,550.0	12,362.5	12,182.0	12,142.4	17.3	53.4	118.71	463.1	875.1	572.1	497.8	74.23	7.707
12,575.0	12,373.4	12,182.0	12,142.4	17.3	53.4	97.16	463.1	875.1	596.8	522.6	74.22	8.041
12,600.0	12,383.0	12,182.0	12,142.4	17.4	53.4	72.51	463.1	875.1	621.7	547.4	74.25	8.373
12,625.0	12,391.3	12,182.0	12,142.4	17.4	53.4	52.29	463.1	875.1	646.4	572.1	74.30	8.700
12,650.0	12,398.5	12,182.0	12,142.4	17.4	53.4	38.72	463.1	875.1	671.1	596.8	74.39	9.023
12,675.0	12,404.4	12,182.0	12,142.4	17.4	53.4	29.94	463.1	875.1	695.7	621.2	74.49	9.340
12,700.0	12,409.0	12,182.0	12,142.4	17.4	53.4	24.07	463.1	875.1	720.0	645.4	74.61	9.651
12,725.0	12,412.3	12,154.4	12,117.4	17.5	53.3	18.00	451.4	874.2	743.0	668.9	74.12	10.025
12,750.0	12,414.3	12,150.7	12,114.0	17.5	53.3	15.40	449.9	874.1	766.6	692.4	74.21	10.329
12,775.8	12,415.0	12,146.4	12,110.1	17.5	53.3	13.35	448.2	874.0	790.5	716.2	74.32	10.636
12,800.0	12,415.0	12,142.2	12,106.2	17.5	53.3	13.21	446.5	873.9	812.7	738.2	74.41	10.921
12,900.0	12,415.0	12,126.3	12,091.5	17.7	53.3	12.70	440.6	873.6	905.1	830.3	74.78	12.103
13,000.0	12,415.0	12,088.0	12,055.4	17.8	53.2	11.59	427.8	872.9	999.2	924.5	74.71	13.374

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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: MACHO NACHO STATE PROJECT (BULLDOG 2433) - MIS AMIGOS STATE #108H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 167-MWD - OWSG R1												Offset Well Error: 3.0 usft		
Reference		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance			Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
27,200.0	12,415.0	17,443.0	12,479.8	115.6	93.9	163.29	-15,602.8	1,029.3	913.3	827.7	85.54	10.677		
27,300.0	12,415.0	17,443.0	12,479.8	116.4	93.9	163.29	-15,602.8	1,029.3	814.5	727.7	86.78	9.386		
27,400.0	12,415.0	17,443.0	12,479.8	117.2	93.9	163.29	-15,602.8	1,029.3	716.1	627.7	88.45	8.096		
27,500.0	12,415.0	17,443.0	12,479.8	117.9	93.9	163.29	-15,602.8	1,029.3	618.3	527.4	90.81	6.808		
27,600.0	12,415.0	17,443.0	12,479.8	118.7	93.9	163.29	-15,602.8	1,029.3	521.2	426.8	94.35	5.524		
27,700.0	12,415.0	17,443.0	12,479.8	119.4	93.9	163.29	-15,602.8	1,029.3	425.5	325.5	100.01	4.254		
27,800.0	12,415.0	17,443.0	12,479.8	120.2	93.9	163.29	-15,602.8	1,029.3	332.3	222.5	109.85	3.025		
27,900.0	12,415.0	17,443.0	12,479.8	121.0	93.9	163.29	-15,602.8	1,029.3	244.6	116.3	128.31	1.906 Advise and Monitor		
27,915.0	12,415.0	17,443.0	12,479.8	121.1	93.9	163.29	-15,602.8	1,029.3	232.3	100.0	132.27	1.756 Advise and Monitor, CC, ES, SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 #602H - OWB - PWP4												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 MWD+IFR1												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis 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	0.7	0.7	3.0	3.0	-90.19	-0.1	-30.0	30.0				
100.0	100.0	100.7	100.7	3.1	3.1	-90.19	-0.1	-30.0	30.0	23.4	6.59	4.550	
200.0	200.0	200.7	200.7	3.2	3.3	-90.19	-0.1	-30.0	30.0	23.1	6.94	4.323	
300.0	300.0	300.7	300.7	3.3	3.6	-90.19	-0.1	-30.0	30.0	22.7	7.27	4.126	
400.0	400.0	400.7	400.7	3.4	3.8	-90.19	-0.1	-30.0	30.0	22.4	7.59	3.953	
500.0	500.0	500.7	500.7	3.6	4.0	-90.19	-0.1	-30.0	30.0	22.1	7.89	3.800	
600.0	600.0	600.7	600.7	3.7	4.1	-90.19	-0.1	-30.0	30.0	21.8	8.19	3.663	
700.0	700.0	700.7	700.7	3.8	4.3	-90.19	-0.1	-30.0	30.0	21.5	8.48	3.540	
800.0	800.0	800.7	800.7	3.9	4.5	-90.19	-0.1	-30.0	30.0	21.2	8.75	3.428	
900.0	900.0	900.7	900.7	4.0	4.7	-90.19	-0.1	-30.0	30.0	21.0	9.02	3.325	
1,000.0	1,000.0	1,000.7	1,000.7	4.2	4.8	-90.19	-0.1	-30.0	30.0	20.7	9.29	3.231	
1,100.0	1,100.0	1,100.7	1,100.7	4.3	5.0	-90.19	-0.1	-30.0	30.0	20.5	9.54	3.144	
1,200.0	1,200.0	1,200.7	1,200.7	4.4	5.2	-90.19	-0.1	-30.0	30.0	20.2	9.79	3.063	
1,300.0	1,300.0	1,300.7	1,300.7	4.5	5.3	-90.19	-0.1	-30.0	30.0	20.0	10.04	2.988	
1,400.0	1,400.0	1,400.7	1,400.7	4.6	5.5	-90.19	-0.1	-30.0	30.0	19.7	10.28	2.918	
1,466.4	1,466.4	1,467.1	1,467.1	4.7	5.6	-90.19	-0.1	-30.0	30.0	19.6	10.44	2.874 CC	
1,500.0	1,500.0	1,500.7	1,500.7	4.8	5.6	-90.19	-0.1	-30.0	30.0	19.5	10.52	2.853 ES, SF	
1,600.0	1,600.0	1,600.0	1,600.0	4.9	5.8	-169.07	-0.3	-30.9	32.6	21.8	10.83	3.009	
1,700.0	1,699.8	1,699.2	1,699.1	5.0	5.9	-171.02	-0.7	-33.4	40.3	29.2	11.14	3.619	
1,800.0	1,799.5	1,797.5	1,797.4	5.1	6.0	-173.00	-1.4	-37.6	53.2	41.8	11.47	4.643	
1,900.0	1,898.7	1,894.8	1,894.5	5.3	6.2	-174.56	-2.5	-43.4	71.3	59.5	11.81	6.040	
2,000.0	1,997.5	1,990.7	1,990.1	5.5	6.4	-175.68	-3.7	-50.7	94.5	82.3	12.16	7.770	
2,050.0	2,046.6	2,038.0	2,037.2	5.5	6.5	-176.11	-4.5	-54.9	107.9	95.6	12.29	8.782	
2,100.0	2,095.7	2,085.0	2,084.0	5.6	6.6	-176.48	-5.3	-59.4	122.2	109.8	12.42	9.841	
2,200.0	2,193.9	2,179.5	2,178.0	5.7	6.8	-176.59	-6.0	-69.5	151.6	138.8	12.75	11.893	
2,300.0	2,292.0	2,273.8	2,271.6	5.8	7.0	-175.66	-3.7	-80.5	181.6	168.5	13.10	13.867	
2,400.0	2,390.2	2,368.3	2,365.1	5.9	7.3	-174.24	1.0	-92.5	212.2	198.8	13.42	15.810	
2,500.0	2,488.4	2,463.3	2,459.2	6.1	7.5	-173.08	6.2	-104.7	243.1	229.3	13.79	17.622	
2,600.0	2,586.5	2,558.3	2,553.3	6.2	7.8	-172.18	11.4	-116.9	273.9	259.8	14.19	19.306	
2,700.0	2,684.7	2,653.3	2,647.4	6.3	8.0	-171.47	16.6	-129.0	304.9	290.3	14.60	20.883	
2,800.0	2,782.8	2,748.4	2,741.6	6.5	8.3	-170.88	21.7	-141.2	335.9	320.8	15.03	22.353	
2,900.0	2,881.0	2,843.4	2,835.7	6.6	8.6	-170.40	26.9	-153.4	366.9	351.4	15.46	23.722	
3,000.0	2,979.2	2,938.4	2,929.8	6.8	9.0	-169.99	32.1	-165.6	397.9	382.0	15.92	24.998	
3,100.0	3,077.3	3,033.5	3,023.9	6.9	9.3	-169.63	37.2	-177.7	428.9	412.5	16.38	26.185	
3,200.0	3,175.5	3,128.5	3,118.0	7.1	9.6	-169.33	42.4	-189.9	460.0	443.1	16.85	27.292	
3,300.0	3,273.7	3,223.5	3,212.1	7.2	9.9	-169.06	47.6	-202.1	491.0	473.7	17.34	28.323	
3,400.0	3,371.8	3,318.6	3,306.2	7.4	10.3	-168.83	52.7	-214.3	522.1	504.2	17.83	29.285	
3,500.0	3,470.0	3,413.6	3,400.3	7.6	10.6	-168.62	57.9	-226.4	553.1	534.8	18.33	30.182	
3,600.0	3,568.1	3,508.6	3,494.4	7.7	11.0	-168.44	63.1	-238.6	584.2	565.4	18.83	31.020	
3,700.0	3,666.3	3,603.7	3,588.5	7.9	11.3	-168.27	68.2	-250.8	615.3	596.0	19.35	31.804	
3,800.0	3,764.5	3,698.7	3,682.6	8.1	11.7	-168.12	73.4	-263.0	646.4	626.5	19.87	32.537	
3,900.0	3,862.6	3,793.7	3,776.7	8.2	12.0	-167.98	78.6	-275.1	677.5	657.1	20.39	33.223	
4,000.0	3,960.8	3,888.8	3,870.8	8.4	12.4	-167.86	83.7	-287.3	708.6	687.7	20.92	33.867	
4,100.0	4,059.0	3,983.8	3,964.9	8.6	12.8	-167.74	88.9	-299.5	739.7	718.2	21.46	34.471	
4,200.0	4,157.1	4,078.8	4,059.1	8.8	13.1	-167.64	94.1	-311.7	770.8	748.8	22.00	35.039	
4,300.0	4,255.3	4,173.9	4,153.2	9.0	13.5	-167.54	99.2	-323.8	801.9	779.3	22.54	35.573	
4,400.0	4,353.5	4,268.9	4,247.3	9.1	13.9	-167.45	104.4	-336.0	833.0	809.9	23.09	36.076	
4,500.0	4,451.6	4,363.9	4,341.4	9.3	14.2	-167.37	109.6	-348.2	864.1	840.4	23.64	36.550	
4,600.0	4,549.8	4,459.0	4,435.5	9.5	14.6	-167.29	114.7	-360.4	895.2	871.0	24.20	36.997	
4,700.0	4,647.9	4,554.0	4,529.6	9.7	15.0	-167.22	119.9	-372.5	926.3	901.5	24.75	37.419	
4,800.0	4,746.1	4,649.0	4,623.7	9.9	15.4	-167.15	125.1	-384.7	957.4	932.1	25.32	37.819	

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 #602H - OWB - PWP4											Offset Site Error:	0.0 usft
Survey Program:	0-r.5 MWD+IFR1											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		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
									(usft)	(usft)			
4,900.0	4,844.3	4,744.1	4,717.8	10.1	15.8	-167.09	130.2	-396.9	988.5	962.6	25.88	38.197	

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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)			
0.0	0.0	0.6	0.6	3.0	3.0	-90.19	-0.2	-60.0	60.0				
100.0	100.0	100.6	100.6	3.1	3.1	-90.19	-0.2	-60.0	60.0	53.5	6.53	9.186	
200.0	200.0	200.6	200.6	3.2	3.2	-90.19	-0.2	-60.0	60.0	53.2	6.77	8.861	
300.0	300.0	300.6	300.6	3.3	3.3	-90.19	-0.2	-60.0	60.0	53.0	7.00	8.569	
400.0	400.0	400.6	400.6	3.4	3.4	-90.19	-0.2	-60.0	60.0	52.8	7.22	8.305	
500.0	500.0	500.6	500.6	3.6	3.6	-90.19	-0.2	-60.0	60.0	52.6	7.44	8.064	
600.0	600.0	600.6	600.6	3.7	3.7	-90.19	-0.2	-60.0	60.0	52.4	7.65	7.843	
700.0	700.0	700.6	700.6	3.8	3.8	-90.19	-0.2	-60.0	60.0	52.1	7.85	7.640	
800.0	800.0	800.6	800.6	3.9	3.9	-90.19	-0.2	-60.0	60.0	51.9	8.05	7.453	
900.0	900.0	900.6	900.6	4.0	4.0	-90.19	-0.2	-60.0	60.0	51.8	8.24	7.278	
1,000.0	1,000.0	1,000.6	1,000.6	4.2	4.2	-90.19	-0.2	-60.0	60.0	51.6	8.43	7.116	
1,100.0	1,100.0	1,102.2	1,102.2	4.3	4.4	-89.03	1.0	-58.6	58.7	50.0	8.68	6.755	
1,200.0	1,200.0	1,203.5	1,203.3	4.4	4.6	-85.24	4.5	-54.5	54.8	45.9	8.91	6.150	
1,300.0	1,300.0	1,304.3	1,303.7	4.5	4.8	-77.74	10.4	-47.8	49.0	39.9	9.10	5.385	
1,400.0	1,400.0	1,404.3	1,403.0	4.6	5.0	-64.36	18.5	-38.5	42.8	33.5	9.28	4.611	
1,500.0	1,500.0	1,503.3	1,501.0	4.8	5.1	-45.59	27.5	-28.1	39.3	29.8	9.53	4.130	
1,517.1	1,517.1	1,520.3	1,517.8	4.8	5.1	-120.23	29.1	-26.3	39.2	29.7	9.59	4.092 CC, ES	
1,600.0	1,600.0	1,602.6	1,599.3	4.9	5.2	-106.09	36.6	-17.7	41.1	31.2	9.88	4.159	
1,700.0	1,699.8	1,702.1	1,697.9	5.0	5.4	-95.40	45.7	-7.2	46.5	36.3	10.18	4.564	
1,800.0	1,799.5	1,801.8	1,796.6	5.1	5.5	-90.83	54.8	3.2	53.0	42.6	10.42	5.090	
1,900.0	1,898.7	1,901.6	1,895.4	5.3	5.6	-90.59	63.9	13.7	59.8	49.2	10.59	5.643	
2,000.0	1,997.5	2,001.3	1,994.1	5.5	5.8	-93.38	73.0	24.2	66.6	55.9	10.72	6.219	
2,050.0	2,046.6	2,051.1	2,043.4	5.5	5.8	-95.62	77.5	29.4	70.3	59.5	10.74	6.542	
2,100.0	2,095.7	2,100.8	2,092.7	5.6	5.9	-98.04	82.1	34.7	74.0	63.3	10.76	6.881	
2,200.0	2,193.9	2,200.4	2,191.3	5.7	6.0	-102.19	91.2	45.1	81.9	71.0	10.86	7.544	
2,300.0	2,292.0	2,299.9	2,289.8	5.8	6.2	-105.60	100.3	55.6	90.1	79.2	10.97	8.217	
2,400.0	2,390.2	2,399.4	2,388.4	5.9	6.3	-108.43	109.3	66.0	98.6	87.5	11.10	8.889	
2,500.0	2,488.4	2,498.9	2,487.0	6.1	6.5	-110.81	118.4	76.5	107.3	96.1	11.23	9.555	
2,600.0	2,586.5	2,598.5	2,585.5	6.2	6.7	-112.82	127.5	86.9	116.2	104.8	11.38	10.210	
2,700.0	2,684.7	2,698.0	2,684.1	6.3	6.8	-114.56	136.6	97.4	125.2	113.6	11.54	10.850	
2,800.0	2,782.8	2,797.5	2,782.6	6.5	7.0	-116.06	145.7	107.8	134.2	122.5	11.70	11.474	
2,900.0	2,881.0	2,897.1	2,881.2	6.6	7.1	-117.36	154.8	118.3	143.4	131.5	11.87	12.080	
3,000.0	2,979.2	2,996.6	2,979.8	6.8	7.3	-118.52	163.9	128.7	152.6	140.6	12.05	12.667	
3,100.0	3,077.3	3,096.1	3,078.3	6.9	7.4	-119.56	172.9	139.1	161.9	149.7	12.20	13.274	
3,200.0	3,175.5	3,195.5	3,176.9	7.1	7.6	-120.92	181.1	148.6	171.3	158.9	12.38	13.829	
3,300.0	3,273.7	3,294.7	3,275.6	7.2	7.8	-122.69	188.2	156.7	180.8	168.2	12.59	14.368	
3,400.0	3,371.8	3,393.7	3,374.1	7.4	7.9	-124.79	194.1	163.5	190.7	177.9	12.80	14.900	
3,500.0	3,470.0	3,492.4	3,472.6	7.6	8.1	-127.15	198.9	169.0	201.1	188.1	13.04	15.429	
3,600.0	3,568.1	3,590.8	3,570.7	7.7	8.3	-129.73	202.5	173.2	212.1	198.9	13.29	15.963	
3,700.0	3,666.3	3,688.7	3,668.6	7.9	8.4	-132.45	205.1	176.2	224.0	210.4	13.57	16.507	
3,800.0	3,764.5	3,786.2	3,766.0	8.1	8.5	-135.29	206.5	177.8	236.7	222.8	13.87	17.064	
3,900.0	3,862.6	3,883.4	3,863.2	8.2	8.6	-138.18	206.9	178.3	250.5	236.4	14.17	17.676	
4,000.0	3,960.8	3,981.5	3,961.4	8.4	8.7	-140.91	206.9	178.3	265.2	250.7	14.50	18.286	
4,100.0	4,059.0	4,079.7	4,059.6	8.6	8.8	-143.35	206.9	178.3	280.3	265.5	14.84	18.896	
4,200.0	4,157.1	4,177.8	4,157.7	8.8	8.9	-145.54	206.9	178.3	296.0	280.8	15.17	19.512	
4,300.0	4,255.3	4,276.0	4,255.9	9.0	8.9	-147.52	206.9	178.3	312.0	296.5	15.50	20.131	
4,400.0	4,353.5	4,374.2	4,354.1	9.1	9.0	-149.30	206.9	178.3	328.3	312.5	15.82	20.750	
4,500.0	4,451.6	4,472.3	4,452.2	9.3	9.1	-150.91	206.9	178.3	344.9	328.8	16.14	21.367	
4,600.0	4,549.8	4,570.5	4,550.4	9.5	9.2	-152.37	206.9	178.3	361.8	345.3	16.46	21.980	
4,700.0	4,647.9	4,668.7	4,648.5	9.7	9.3	-153.71	206.9	178.3	378.9	362.1	16.77	22.587	
4,800.0	4,746.1	4,766.8	4,746.7	9.9	9.3	-154.92	206.9	178.3	396.1	379.0	17.08	23.188	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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	4,844.3	4,865.0	4,844.9	10.1	9.4	-156.04	206.9	178.3	413.5	396.1	17.39	23.780	
5,000.0	4,942.4	4,963.2	4,943.0	10.2	9.5	-157.07	206.9	178.3	431.1	413.4	17.69	24.364	
5,100.0	5,040.6	5,061.3	5,041.2	10.4	9.6	-158.01	206.9	178.3	448.8	430.8	18.00	24.938	
5,200.0	5,138.8	5,159.5	5,139.4	10.6	9.7	-158.89	206.9	178.3	466.6	448.3	18.29	25.502	
5,300.0	5,236.9	5,257.6	5,237.5	10.8	9.8	-159.70	206.9	178.3	484.5	465.9	18.59	26.056	
5,400.0	5,335.1	5,355.8	5,335.7	11.0	9.8	-160.45	206.9	178.3	502.4	483.5	18.89	26.600	
5,500.0	5,433.2	5,454.0	5,433.8	11.2	9.9	-161.16	206.9	178.3	520.5	501.3	19.18	27.133	
5,600.0	5,531.4	5,552.1	5,532.0	11.4	10.0	-161.81	206.9	178.3	538.6	519.1	19.48	27.655	
5,700.0	5,629.6	5,650.3	5,630.2	11.6	10.1	-162.42	206.9	178.3	556.8	537.0	19.77	28.166	
5,800.0	5,727.7	5,748.5	5,728.3	11.8	10.2	-163.00	206.9	178.3	575.1	555.0	20.06	28.667	
5,900.0	5,825.9	5,846.6	5,826.5	12.0	10.3	-163.53	206.9	178.3	593.4	573.0	20.35	29.157	
6,000.0	5,924.1	5,944.8	5,924.7	12.2	10.4	-164.04	206.9	178.3	611.7	591.1	20.64	29.636	
6,100.0	6,022.2	6,042.9	6,022.8	12.4	10.4	-164.52	206.9	178.3	630.1	609.2	20.93	30.105	
6,200.0	6,120.4	6,141.1	6,121.0	12.6	10.5	-164.97	206.9	178.3	648.5	627.3	21.22	30.564	
6,300.0	6,218.5	6,239.3	6,219.1	12.8	10.6	-165.39	206.9	178.3	667.0	645.5	21.51	31.006	
6,306.6	6,225.0	6,245.7	6,225.6	12.8	10.6	-165.42	206.9	178.3	668.2	646.7	21.53	31.034	
6,400.0	6,316.8	6,337.6	6,317.4	13.0	10.7	-165.82	206.9	178.3	684.8	663.0	21.79	31.420	
6,500.0	6,415.5	6,436.2	6,416.1	13.2	10.8	-166.19	206.9	178.3	700.9	678.8	22.07	31.753	
6,600.0	6,514.3	6,535.1	6,514.9	13.4	10.9	-166.51	206.9	178.3	715.4	693.0	22.35	32.013	
6,700.0	6,613.5	6,634.2	6,614.1	13.6	11.0	-166.78	206.9	178.3	728.2	705.6	22.61	32.202	
6,800.0	6,712.8	6,733.5	6,713.4	13.7	11.1	-167.01	206.9	178.3	739.3	716.5	22.87	32.324	
6,900.0	6,812.3	6,833.1	6,812.9	13.9	11.2	-167.20	206.9	178.3	748.8	725.7	23.12	32.381	
7,000.0	6,912.0	6,932.7	6,912.6	14.1	11.3	-167.35	206.9	178.3	756.6	733.2	23.37	32.376	
7,100.0	7,011.8	7,032.5	7,012.4	14.3	11.4	-167.46	206.9	178.3	762.6	739.0	23.60	32.313	
7,200.0	7,111.7	7,132.4	7,112.3	14.4	11.4	-167.54	206.9	178.3	767.0	743.2	23.82	32.196	
7,300.0	7,211.7	7,232.4	7,212.3	14.6	11.5	-167.59	206.9	178.3	769.7	745.6	24.03	32.030	
7,400.0	7,311.7	7,332.4	7,312.3	14.7	11.6	-167.61	206.9	178.3	770.6	746.5	24.16	31.893	
7,406.6	7,318.3	7,339.0	7,318.9	14.7	11.6	-89.61	206.9	178.3	770.6	746.5	24.17	31.881	
7,500.0	7,411.7	7,432.4	7,412.3	14.7	11.7	-89.61	206.9	178.3	770.6	746.4	24.23	31.810	
7,600.0	7,511.7	7,532.4	7,512.3	14.8	11.8	-89.61	206.9	178.3	770.6	746.4	24.29	31.730	
7,700.0	7,611.7	7,632.4	7,612.3	14.8	11.9	-89.61	206.9	178.3	770.6	746.3	24.35	31.650	
7,800.0	7,711.7	7,732.4	7,712.3	14.8	12.0	-89.61	206.9	178.3	770.6	746.2	24.41	31.571	
7,900.0	7,811.7	7,832.4	7,812.3	14.9	12.1	-89.61	206.9	178.3	770.6	746.2	24.47	31.492	
8,000.0	7,911.7	7,932.4	7,912.3	14.9	12.2	-89.61	206.9	178.3	770.6	746.1	24.53	31.414	
8,100.0	8,011.7	8,032.4	8,012.3	15.0	12.3	-89.61	206.9	178.3	770.6	746.0	24.59	31.336	
8,200.0	8,111.7	8,132.4	8,112.3	15.0	12.4	-89.61	206.9	178.3	770.6	746.0	24.65	31.259	
8,300.0	8,211.7	8,232.4	8,212.3	15.1	12.5	-89.61	206.9	178.3	770.6	745.9	24.71	31.183	
8,400.0	8,311.7	8,332.4	8,312.3	15.1	12.6	-89.61	206.9	178.3	770.6	745.9	24.77	31.107	
8,500.0	8,411.7	8,432.4	8,412.3	15.2	12.7	-89.61	206.9	178.3	770.6	745.8	24.83	31.032	
8,600.0	8,511.7	8,532.4	8,512.3	15.2	12.8	-89.61	206.9	178.3	770.6	745.7	24.89	30.957	
8,700.0	8,611.7	8,632.4	8,612.3	15.2	12.9	-89.61	206.9	178.3	770.6	745.7	24.95	30.883	
8,800.0	8,711.7	8,732.4	8,712.3	15.3	13.0	-89.61	206.9	178.3	770.6	745.6	25.01	30.809	
8,900.0	8,811.7	8,832.4	8,812.3	15.3	13.1	-89.61	206.9	178.3	770.6	745.6	25.07	30.736	
9,000.0	8,911.7	8,932.4	8,912.3	15.4	13.2	-89.61	206.9	178.3	770.6	745.5	25.13	30.664	
9,100.0	9,011.7	9,032.4	9,012.3	15.4	13.3	-89.61	206.9	178.3	770.6	745.5	25.19	30.592	
9,200.0	9,111.7	9,132.4	9,112.3	15.5	13.4	-89.61	206.9	178.3	770.6	745.4	25.25	30.520	
9,300.0	9,211.7	9,232.4	9,212.3	15.5	13.5	-89.61	206.9	178.3	770.6	745.3	25.31	30.449	
9,400.0	9,311.7	9,332.4	9,312.3	15.6	13.6	-89.61	206.9	178.3	770.6	745.3	25.37	30.378	
9,500.0	9,411.7	9,432.4	9,412.3	15.6	13.7	-89.61	206.9	178.3	770.6	745.2	25.43	30.308	
9,600.0	9,511.7	9,532.4	9,512.3	15.7	13.8	-89.61	206.9	178.3	770.6	745.2	25.49	30.239	
9,700.0	9,611.7	9,632.4	9,612.3	15.7	13.9	-89.61	206.9	178.3	770.6	745.1	25.54	30.170	

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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)			
9,800.0	9,711.7	9,732.4	9,712.3	15.8	14.0	-89.61	206.9	178.3	770.6	745.0	25.60	30.101	
9,900.0	9,811.7	9,832.4	9,812.3	15.8	14.1	-89.61	206.9	178.3	770.6	745.0	25.66	30.033	
10,000.0	9,911.7	9,932.4	9,912.3	15.9	14.2	-89.61	206.9	178.3	770.6	744.9	25.72	29.965	
10,100.0	10,011.7	10,032.4	10,012.3	15.9	14.3	-89.61	206.9	178.3	770.6	744.9	25.78	29.898	
10,200.0	10,111.7	10,132.4	10,112.3	16.0	14.4	-89.61	206.9	178.3	770.6	744.8	25.83	29.831	
10,300.0	10,211.7	10,232.4	10,212.3	16.0	14.5	-89.61	206.9	178.3	770.6	744.8	25.89	29.765	
10,400.0	10,311.7	10,332.4	10,312.3	16.1	14.6	-89.61	206.9	178.3	770.6	744.7	25.95	29.699	
10,500.0	10,411.7	10,432.4	10,412.3	16.2	14.7	-89.61	206.9	178.3	770.6	744.6	26.01	29.633	
10,600.0	10,511.7	10,532.4	10,512.3	16.2	14.8	-89.61	206.9	178.3	770.6	744.6	26.06	29.568	
10,700.0	10,611.7	10,632.4	10,612.3	16.3	14.9	-89.61	206.9	178.3	770.6	744.5	26.12	29.504	
10,800.0	10,711.7	10,732.4	10,712.3	16.3	15.0	-89.61	206.9	178.3	770.6	744.5	26.18	29.440	
10,900.0	10,811.7	10,832.4	10,812.3	16.4	15.1	-89.61	206.9	178.3	770.6	744.4	26.23	29.376	
11,000.0	10,911.7	10,932.4	10,912.3	16.4	15.2	-89.61	206.9	178.3	770.6	744.4	26.29	29.312	
11,100.0	11,011.7	11,032.4	11,012.3	16.5	15.3	-89.61	206.9	178.3	770.6	744.3	26.35	29.250	
11,200.0	11,111.7	11,132.4	11,112.3	16.6	15.4	-89.61	206.9	178.3	770.6	744.2	26.40	29.187	
11,300.0	11,211.7	11,232.4	11,212.3	16.6	15.5	-89.61	206.9	178.3	770.6	744.2	26.46	29.125	
11,400.0	11,311.7	11,332.4	11,312.3	16.7	15.7	-89.61	206.9	178.3	770.6	744.1	26.52	29.063	
11,500.0	11,411.7	11,432.4	11,412.3	16.7	15.8	-89.61	206.9	178.3	770.6	744.1	26.57	29.002	
11,600.0	11,511.7	11,532.4	11,512.3	16.8	15.9	-89.61	206.9	178.3	770.6	744.0	26.63	28.941	
11,700.0	11,611.7	11,632.4	11,612.3	16.9	16.0	-89.61	206.9	178.3	770.6	744.0	26.68	28.880	
11,800.0	11,711.7	11,732.4	11,712.3	16.9	16.1	-89.61	206.9	178.3	770.6	743.9	26.74	28.820	
11,900.0	11,811.7	11,832.4	11,812.3	17.0	16.2	-89.61	206.9	178.3	770.6	743.8	26.80	28.760	
12,000.0	11,911.7	11,932.4	11,912.3	17.0	16.3	-89.61	206.9	178.3	770.6	743.8	26.85	28.701	
12,025.8	11,937.5	11,958.2	11,938.1	17.1	16.3	-89.61	206.9	178.3	770.6	743.8	26.86	28.692	
12,050.0	11,961.7	11,983.0	11,962.9	17.1	16.3	90.82	206.3	178.3	770.6	743.7	26.93	28.621	
12,075.0	11,986.6	12,008.6	11,988.4	17.1	16.3	90.81	204.2	178.3	770.6	743.7	26.93	28.612	
12,100.0	12,011.4	12,034.2	12,013.7	17.1	16.3	90.81	200.8	178.3	770.6	743.7	26.94	28.603	
12,125.0	12,036.0	12,059.7	12,038.8	17.1	16.3	90.80	196.1	178.4	770.6	743.7	26.95	28.593	
12,150.0	12,060.3	12,085.3	12,063.7	17.1	16.3	90.78	190.0	178.4	770.6	743.7	26.96	28.583	
12,175.0	12,084.3	12,110.9	12,088.1	17.1	16.4	90.77	182.5	178.5	770.6	743.7	26.97	28.571	
12,200.0	12,107.8	12,136.4	12,112.1	17.1	16.4	90.75	173.8	178.5	770.6	743.6	26.98	28.558	
12,225.0	12,131.0	12,161.9	12,135.6	17.1	16.4	90.73	163.9	178.6	770.6	743.6	27.00	28.543	
12,250.0	12,153.5	12,187.5	12,158.6	17.1	16.4	90.71	152.7	178.7	770.6	743.6	27.01	28.527	
12,275.0	12,175.5	12,213.0	12,180.8	17.2	16.4	90.69	140.3	178.8	770.6	743.6	27.03	28.509	
12,300.0	12,196.9	12,238.4	12,202.4	17.2	16.5	90.66	126.7	178.9	770.6	743.6	27.05	28.488	
12,325.0	12,217.5	12,263.9	12,223.2	17.2	16.5	90.64	112.0	179.0	770.6	743.5	27.07	28.465	
12,350.0	12,237.3	12,289.3	12,243.2	17.2	16.5	90.61	96.3	179.1	770.6	743.5	27.10	28.440	
12,375.0	12,256.4	12,314.8	12,262.3	17.2	16.5	90.58	79.5	179.2	770.6	743.5	27.12	28.411	
12,400.0	12,274.5	12,340.2	12,280.4	17.2	16.6	90.55	61.7	179.4	770.6	743.4	27.15	28.378	
12,425.0	12,291.8	12,365.5	12,297.6	17.2	16.6	90.51	43.0	179.5	770.6	743.4	27.19	28.342	
12,450.0	12,308.0	12,390.9	12,313.7	17.2	16.6	90.48	23.5	179.7	770.6	743.4	27.23	28.302	
12,475.0	12,323.3	12,416.2	12,328.8	17.3	16.6	90.44	3.1	179.8	770.6	743.3	27.27	28.258	
12,500.0	12,337.5	12,441.5	12,342.7	17.3	16.7	90.40	-18.0	180.0	770.6	743.3	27.32	28.209	
12,525.0	12,350.6	12,466.8	12,355.5	17.3	16.7	90.37	-39.8	180.1	770.6	743.2	27.37	28.156	
12,550.0	12,362.5	12,492.0	12,367.1	17.3	16.7	90.33	-62.2	180.3	770.6	743.2	27.42	28.098	
12,575.0	12,373.4	12,517.2	12,377.5	17.3	16.7	90.29	-85.1	180.5	770.6	743.1	27.49	28.035	
12,600.0	12,383.0	12,542.4	12,386.7	17.4	16.7	90.25	-108.6	180.7	770.6	743.0	27.55	27.967	
12,625.0	12,391.3	12,567.6	12,394.6	17.4	16.8	90.20	-132.5	180.8	770.6	742.9	27.62	27.895	
12,650.0	12,398.5	12,592.7	12,401.2	17.4	16.8	90.16	-156.7	181.0	770.6	742.9	27.70	27.818	
12,675.0	12,404.4	12,617.8	12,406.5	17.4	16.8	90.12	-181.2	181.2	770.6	742.8	27.78	27.736	
12,700.0	12,409.0	12,642.8	12,410.6	17.4	16.8	90.08	-205.9	181.4	770.6	742.7	27.87	27.650	

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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)		
12,725.0	12,412.3	12,667.9	12,413.3	17.5	16.8	90.03	-230.8	181.6	770.6	742.6	27.96	27.560	
12,738.2	12,413.5	12,681.0	12,414.2	17.5	16.8	90.01	-244.0	181.7	770.6	742.6	28.01	27.511	
12,750.0	12,414.3	12,692.9	12,414.7	17.5	16.8	89.99	-255.8	181.8	770.6	742.5	28.06	27.466	
12,775.8	12,415.0	12,718.7	12,415.0	17.5	16.8	89.96	-281.6	182.0	770.6	742.4	28.16	27.362	
12,800.0	12,415.0	12,742.9	12,415.0	17.5	16.8	89.96	-305.8	182.2	770.6	742.3	28.27	27.258	
12,900.0	12,415.0	12,842.9	12,415.0	17.7	16.9	89.96	-405.8	182.9	770.6	741.8	28.77	26.779	
13,000.0	12,415.0	12,942.9	12,415.0	17.8	16.9	89.96	-505.8	183.7	770.6	741.2	29.35	26.253	
13,100.0	12,415.0	13,042.9	12,415.0	18.0	17.0	89.96	-605.8	184.4	770.6	740.6	29.99	25.690	
13,200.0	12,415.0	13,142.9	12,415.0	18.2	17.0	89.96	-705.7	185.2	770.6	739.9	30.70	25.100	
13,300.0	12,415.0	13,242.9	12,415.0	18.4	17.1	89.96	-805.7	185.9	770.6	739.1	31.46	24.492	
13,400.0	12,415.0	13,342.9	12,415.0	18.7	17.1	89.96	-905.7	186.7	770.6	738.3	32.28	23.872	
13,500.0	12,415.0	13,442.9	12,415.0	19.0	17.2	89.96	-1,005.7	187.4	770.6	737.4	33.14	23.249	
13,600.0	12,415.0	13,542.9	12,415.0	19.4	17.3	89.96	-1,105.7	188.2	770.6	736.5	34.06	22.626	
13,700.0	12,415.0	13,642.9	12,415.0	19.7	17.5	89.96	-1,205.7	189.0	770.6	735.6	35.01	22.010	
13,800.0	12,415.0	13,742.9	12,415.0	20.1	17.7	89.96	-1,305.7	189.7	770.6	734.6	36.00	21.403	
13,900.0	12,415.0	13,842.9	12,415.0	20.5	17.9	89.96	-1,405.7	190.5	770.6	733.5	37.03	20.809	
14,000.0	12,415.0	13,942.9	12,415.0	21.0	18.2	89.96	-1,505.7	191.2	770.6	732.5	38.09	20.230	
14,100.0	12,415.0	14,042.9	12,415.0	21.4	18.6	89.96	-1,605.7	192.0	770.6	731.4	39.18	19.667	
14,200.0	12,415.0	14,142.9	12,415.0	21.9	19.1	89.96	-1,705.7	192.7	770.6	730.3	40.30	19.121	
14,300.0	12,415.0	14,242.9	12,415.0	22.4	19.6	89.96	-1,805.7	193.5	770.6	729.1	41.44	18.594	
14,400.0	12,415.0	14,342.9	12,415.0	23.0	20.2	89.96	-1,905.7	194.3	770.6	728.0	42.61	18.085	
14,500.0	12,415.0	14,442.9	12,415.0	23.5	20.7	89.96	-2,005.7	195.0	770.6	726.8	43.80	17.594	
14,600.0	12,415.0	14,542.9	12,415.0	24.1	21.4	89.96	-2,105.7	195.8	770.6	725.6	45.00	17.122	
14,700.0	12,415.0	14,642.9	12,415.0	24.6	22.0	89.96	-2,205.7	196.5	770.6	724.3	46.23	16.669	
14,800.0	12,415.0	14,742.9	12,415.0	25.2	22.6	89.96	-2,305.7	197.3	770.6	723.1	47.47	16.233	
14,900.0	12,415.0	14,842.9	12,415.0	25.8	23.3	89.96	-2,405.7	198.0	770.6	721.8	48.73	15.814	
15,000.0	12,415.0	14,942.9	12,415.0	26.4	23.9	89.96	-2,505.7	198.8	770.6	720.6	50.00	15.412	
15,100.0	12,415.0	15,042.9	12,415.0	27.0	24.6	89.96	-2,605.7	199.5	770.6	719.3	51.28	15.026	
15,200.0	12,415.0	15,142.9	12,415.0	27.6	25.3	89.96	-2,705.7	200.3	770.6	718.0	52.58	14.655	
15,300.0	12,415.0	15,242.9	12,415.0	28.2	26.0	89.96	-2,805.7	201.1	770.6	716.7	53.89	14.299	
15,400.0	12,415.0	15,342.9	12,415.0	28.9	26.7	89.96	-2,905.7	201.8	770.6	715.4	55.21	13.958	
15,500.0	12,415.0	15,442.9	12,415.0	29.5	27.4	89.96	-3,005.7	202.6	770.6	714.0	56.53	13.630	
15,600.0	12,415.0	15,542.9	12,415.0	30.2	28.1	89.96	-3,105.7	203.3	770.6	712.7	57.87	13.315	
15,700.0	12,415.0	15,642.9	12,415.0	30.8	28.8	89.96	-3,205.7	204.1	770.6	711.4	59.22	13.013	
15,800.0	12,415.0	15,742.9	12,415.0	31.5	29.5	89.96	-3,305.7	204.8	770.6	710.0	60.57	12.722	
15,900.0	12,415.0	15,842.9	12,415.0	32.1	30.2	89.96	-3,405.7	205.6	770.6	708.6	61.93	12.442	
16,000.0	12,415.0	15,942.9	12,415.0	32.8	30.9	89.96	-3,505.7	206.4	770.6	707.3	63.30	12.174	
16,100.0	12,415.0	16,042.9	12,415.0	33.5	31.6	89.96	-3,605.7	207.1	770.6	705.9	64.67	11.915	
16,200.0	12,415.0	16,142.9	12,415.0	34.2	32.3	89.96	-3,705.7	207.9	770.6	704.5	66.05	11.666	
16,300.0	12,415.0	16,242.9	12,415.0	34.8	33.1	89.96	-3,805.7	208.6	770.6	703.1	67.44	11.426	
16,400.0	12,415.0	16,342.9	12,415.0	35.5	33.8	89.96	-3,905.7	209.4	770.6	701.8	68.83	11.196	
16,500.0	12,415.0	16,442.9	12,415.0	36.2	34.5	89.96	-4,005.7	210.1	770.6	700.4	70.22	10.973	
16,600.0	12,415.0	16,542.9	12,415.0	36.9	35.2	89.96	-4,105.7	210.9	770.6	699.0	71.63	10.758	
16,700.0	12,415.0	16,642.9	12,415.0	37.6	36.0	89.96	-4,205.6	211.6	770.6	697.6	73.03	10.552	
16,800.0	12,415.0	16,742.9	12,415.0	38.3	36.7	89.96	-4,305.6	212.4	770.6	696.1	74.44	10.352	
16,900.0	12,415.0	16,842.9	12,415.0	39.0	37.4	89.96	-4,405.6	213.2	770.6	694.7	75.85	10.159	
17,000.0	12,415.0	16,942.9	12,415.0	39.7	38.2	89.96	-4,505.6	213.9	770.6	693.3	77.27	9.973	
17,100.0	12,415.0	17,042.9	12,415.0	40.4	38.9	89.96	-4,605.6	214.7	770.6	691.9	78.69	9.793	
17,200.0	12,415.0	17,142.9	12,415.0	41.1	39.6	89.96	-4,705.6	215.4	770.6	690.5	80.11	9.619	
17,300.0	12,415.0	17,242.9	12,415.0	41.8	40.4	89.96	-4,805.6	216.2	770.6	689.0	81.54	9.450	
17,400.0	12,415.0	17,342.9	12,415.0	42.5	41.1	89.96	-4,905.6	216.9	770.6	687.6	82.97	9.288	

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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						Rule Assigned:					Offset Well Error:	3.0 usft
Reference	Offset	Offset		Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
17,500.0	12,415.0	17,442.9	12,415.0	43.2	41.8	89.96	-5,005.6	217.7	770.6	686.2	84.40	9.130		
17,600.0	12,415.0	17,542.9	12,415.0	43.9	42.6	89.96	-5,105.6	218.5	770.6	684.7	85.84	8.977		
17,700.0	12,415.0	17,642.9	12,415.0	44.7	43.3	89.96	-5,205.6	219.2	770.6	683.3	87.28	8.829		
17,800.0	12,415.0	17,742.9	12,415.0	45.4	44.1	89.96	-5,305.6	220.0	770.6	681.9	88.72	8.686		
17,900.0	12,415.0	17,842.9	12,415.0	46.1	44.8	89.96	-5,405.6	220.7	770.6	680.4	90.16	8.547		
18,000.0	12,415.0	17,942.9	12,415.0	46.8	45.5	89.96	-5,505.6	221.5	770.6	679.0	91.60	8.412		
18,100.0	12,415.0	18,042.9	12,415.0	47.5	46.3	89.96	-5,605.6	222.2	770.6	677.5	93.05	8.281		
18,200.0	12,415.0	18,142.9	12,415.0	48.3	47.0	89.96	-5,705.6	223.0	770.6	676.1	94.50	8.155		
18,300.0	12,415.0	18,242.9	12,415.0	49.0	47.8	89.96	-5,805.6	223.7	770.6	674.6	95.95	8.031		
18,400.0	12,415.0	18,342.9	12,415.0	49.7	48.5	89.96	-5,905.6	224.5	770.6	673.2	97.40	7.911		
18,500.0	12,415.0	18,442.9	12,415.0	50.4	49.3	89.96	-6,005.6	225.3	770.6	671.7	98.86	7.795		
18,600.0	12,415.0	18,542.9	12,415.0	51.2	50.0	89.96	-6,105.6	226.0	770.6	670.3	100.31	7.682		
18,700.0	12,415.0	18,642.9	12,415.0	51.9	50.8	89.96	-6,205.6	226.8	770.6	668.8	101.77	7.572		
18,800.0	12,415.0	18,742.9	12,415.0	52.6	51.5	89.96	-6,305.6	227.5	770.6	667.4	103.23	7.465		
18,900.0	12,415.0	18,842.9	12,415.0	53.4	52.3	89.96	-6,405.6	228.3	770.6	665.9	104.69	7.361		
19,000.0	12,415.0	18,942.9	12,415.0	54.1	53.0	89.96	-6,505.6	229.0	770.6	664.4	106.15	7.259		
19,100.0	12,415.0	19,042.9	12,415.0	54.8	53.8	89.96	-6,605.6	229.8	770.6	663.0	107.61	7.161		
19,200.0	12,415.0	19,142.9	12,415.0	55.6	54.5	89.96	-6,705.6	230.6	770.6	661.5	109.08	7.065		
19,300.0	12,415.0	19,242.9	12,415.0	56.3	55.3	89.96	-6,805.6	231.3	770.6	660.0	110.55	6.971		
19,400.0	12,415.0	19,342.9	12,415.0	57.0	56.0	89.96	-6,905.6	232.1	770.6	658.6	112.01	6.880		
19,500.0	12,415.0	19,442.9	12,415.0	57.8	56.8	89.96	-7,005.6	232.8	770.6	657.1	113.48	6.791		
19,600.0	12,415.0	19,542.9	12,415.0	58.5	57.5	89.96	-7,105.6	233.6	770.6	655.6	114.95	6.704		
19,700.0	12,415.0	19,642.9	12,415.0	59.2	58.3	89.96	-7,205.6	234.3	770.6	654.2	116.42	6.619		
19,800.0	12,415.0	19,742.9	12,415.0	60.0	59.0	89.96	-7,305.6	235.1	770.6	652.7	117.89	6.536		
19,900.0	12,415.0	19,842.9	12,415.0	60.7	59.8	89.96	-7,405.6	235.8	770.6	651.2	119.36	6.456		
20,000.0	12,415.0	19,942.9	12,415.0	61.5	60.5	89.96	-7,505.6	236.6	770.6	649.8	120.84	6.377		
20,100.0	12,415.0	20,042.9	12,415.0	62.2	61.3	89.96	-7,605.6	237.4	770.6	648.3	122.31	6.300		
20,200.0	12,415.0	20,142.9	12,415.0	62.9	62.0	89.96	-7,705.5	238.1	770.6	646.8	123.79	6.225		
20,300.0	12,415.0	20,242.9	12,415.0	63.7	62.8	89.96	-7,805.5	238.9	770.6	645.3	125.26	6.152		
20,400.0	12,415.0	20,342.9	12,415.0	64.4	63.5	89.96	-7,905.5	239.6	770.6	643.9	126.74	6.080		
20,500.0	12,415.0	20,442.9	12,415.0	65.2	64.3	89.96	-8,005.5	240.4	770.6	642.4	128.22	6.010		
20,600.0	12,415.0	20,542.9	12,415.0	65.9	65.0	89.96	-8,105.5	241.1	770.6	640.9	129.70	5.942		
20,700.0	12,415.0	20,642.9	12,415.0	66.7	65.8	89.96	-8,205.5	241.9	770.6	639.4	131.17	5.875		
20,800.0	12,415.0	20,742.9	12,415.0	67.4	66.6	89.96	-8,305.5	242.7	770.6	637.9	132.65	5.809		
20,900.0	12,415.0	20,842.9	12,415.0	68.2	67.3	89.96	-8,405.5	243.4	770.6	636.5	134.13	5.745		
21,000.0	12,415.0	20,942.9	12,415.0	68.9	68.1	89.96	-8,505.5	244.2	770.6	635.0	135.62	5.682		
21,100.0	12,415.0	21,042.9	12,415.0	69.6	68.8	89.96	-8,605.5	244.9	770.6	633.5	137.10	5.621		
21,200.0	12,415.0	21,142.9	12,415.0	70.4	69.6	89.96	-8,705.5	245.7	770.6	632.0	138.58	5.561		
21,300.0	12,415.0	21,242.9	12,415.0	71.1	70.3	89.96	-8,805.5	246.4	770.6	630.5	140.06	5.502		
21,400.0	12,415.0	21,342.9	12,415.0	71.9	71.1	89.96	-8,905.5	247.2	770.6	629.1	141.55	5.444		
21,500.0	12,415.0	21,442.9	12,415.0	72.6	71.8	89.96	-9,005.5	248.0	770.6	627.6	143.03	5.388		
21,600.0	12,415.0	21,542.9	12,415.0	73.4	72.6	89.96	-9,105.5	248.7	770.6	626.1	144.52	5.332		
21,700.0	12,415.0	21,642.9	12,415.0	74.1	73.4	89.96	-9,205.5	249.5	770.6	624.6	146.00	5.278		
21,800.0	12,415.0	21,742.9	12,415.0	74.9	74.1	89.96	-9,305.5	250.2	770.6	623.1	147.49	5.225		
21,900.0	12,415.0	21,842.9	12,415.0	75.6	74.9	89.96	-9,405.5	251.0	770.6	621.6	148.97	5.173		
22,000.0	12,415.0	21,942.9	12,415.0	76.4	75.6	89.96	-9,505.5	251.7	770.6	620.1	150.46	5.122		
22,100.0	12,415.0	22,042.9	12,415.0	77.1	76.4	89.96	-9,605.5	252.5	770.6	618.7	151.95	5.072		
22,200.0	12,415.0	22,142.9	12,415.0	77.9	77.2	89.96	-9,705.5	253.2	770.6	617.2	153.43	5.022		
22,300.0	12,415.0	22,242.9	12,415.0	78.6	77.9	89.96	-9,805.5	254.0	770.6	615.7	154.92	4.974		
22,400.0	12,415.0	22,342.9	12,415.0	79.4	78.7	89.96	-9,905.5	254.8	770.6	614.2	156.41	4.927		
22,500.0	12,415.0	22,442.9	12,415.0	80.1	79.4	89.96	-10,005.5	255.5	770.6	612.7	157.90	4.880		

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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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)			
22,600.0	12,415.0	22,542.9	12,415.0	80.9	80.2	89.96	-10,105.5	256.3	770.6	611.2	159.39	4.835	
22,700.0	12,415.0	22,642.9	12,415.0	81.6	80.9	89.96	-10,205.5	257.0	770.6	609.7	160.88	4.790	
22,800.0	12,415.0	22,742.9	12,415.0	82.4	81.7	89.96	-10,305.5	257.8	770.6	608.2	162.37	4.746	
22,900.0	12,415.0	22,842.9	12,415.0	83.1	82.5	89.96	-10,405.5	258.5	770.6	606.7	163.86	4.703	
23,000.0	12,415.0	22,942.9	12,415.0	83.9	83.2	89.96	-10,505.5	259.3	770.6	605.3	165.35	4.660	
23,100.0	12,415.0	23,042.9	12,415.0	84.6	84.0	89.96	-10,605.5	260.1	770.6	603.8	166.84	4.619	
23,200.0	12,415.0	23,142.9	12,415.0	85.4	84.7	89.96	-10,705.5	260.8	770.6	602.3	168.33	4.578	
23,300.0	12,415.0	23,242.9	12,415.0	86.1	85.5	89.96	-10,805.5	261.6	770.6	600.8	169.82	4.538	
23,400.0	12,415.0	23,342.9	12,415.0	86.9	86.3	89.96	-10,905.5	262.3	770.6	599.3	171.32	4.498	
23,500.0	12,415.0	23,442.9	12,415.0	87.7	87.0	89.96	-11,005.5	263.1	770.6	597.8	172.81	4.459	
23,600.0	12,415.0	23,542.9	12,415.0	88.4	87.8	89.96	-11,105.5	263.8	770.6	596.3	174.30	4.421	
23,700.0	12,415.0	23,642.9	12,415.0	89.2	88.5	89.96	-11,205.4	264.6	770.6	594.8	175.80	4.384	
23,800.0	12,415.0	23,742.9	12,415.0	89.9	89.3	89.96	-11,305.4	265.3	770.6	593.3	177.29	4.347	
23,900.0	12,415.0	23,842.9	12,415.0	90.7	90.1	89.96	-11,405.4	266.1	770.6	591.8	178.78	4.310	
24,000.0	12,415.0	23,942.9	12,415.0	91.4	90.8	89.96	-11,505.4	266.9	770.6	590.3	180.28	4.275	
24,100.0	12,415.0	24,042.9	12,415.0	92.2	91.6	89.96	-11,605.4	267.6	770.6	588.8	181.77	4.239	
24,200.0	12,415.0	24,142.9	12,415.0	92.9	92.3	89.96	-11,705.4	268.4	770.6	587.3	183.27	4.205	
24,300.0	12,415.0	24,242.9	12,415.0	93.7	93.1	89.96	-11,805.4	269.1	770.6	585.9	184.76	4.171	
24,400.0	12,415.0	24,342.9	12,415.0	94.4	93.9	89.96	-11,905.4	269.9	770.6	584.4	186.26	4.137	
24,500.0	12,415.0	24,442.9	12,415.0	95.2	94.6	89.96	-12,005.4	270.6	770.6	582.9	187.75	4.104	
24,600.0	12,415.0	24,542.9	12,415.0	96.0	95.4	89.96	-12,105.4	271.4	770.6	581.4	189.25	4.072	
24,700.0	12,415.0	24,642.9	12,415.0	96.7	96.1	89.96	-12,205.4	272.2	770.6	579.9	190.74	4.040	
24,800.0	12,415.0	24,742.9	12,415.0	97.5	96.9	89.96	-12,305.4	272.9	770.6	578.4	192.24	4.009	
24,900.0	12,415.0	24,842.9	12,415.0	98.2	97.7	89.96	-12,405.4	273.7	770.6	576.9	193.73	3.978	
25,000.0	12,415.0	24,942.9	12,415.0	99.0	98.4	89.96	-12,505.4	274.4	770.6	575.4	195.23	3.947	
25,100.0	12,415.0	25,042.9	12,415.0	99.7	99.2	89.96	-12,605.4	275.2	770.6	573.9	196.73	3.917	
25,200.0	12,415.0	25,142.9	12,415.0	100.5	99.9	89.96	-12,705.4	275.9	770.6	572.4	198.22	3.888	
25,300.0	12,415.0	25,242.9	12,415.0	101.2	100.7	89.96	-12,805.4	276.7	770.6	570.9	199.72	3.858	
25,400.0	12,415.0	25,342.9	12,415.0	102.0	101.5	89.96	-12,905.4	277.4	770.6	569.4	201.22	3.830	
25,500.0	12,415.0	25,442.9	12,415.0	102.8	102.2	89.96	-13,005.4	278.2	770.6	567.9	202.72	3.801	
25,600.0	12,415.0	25,542.9	12,415.0	103.5	103.0	89.96	-13,105.4	279.0	770.6	566.4	204.21	3.774	
25,700.0	12,415.0	25,642.9	12,415.0	104.3	103.8	89.96	-13,205.4	279.7	770.6	564.9	205.71	3.746	
25,800.0	12,415.0	25,742.9	12,415.0	105.0	104.5	89.96	-13,305.4	280.5	770.6	563.4	207.21	3.719	
25,900.0	12,415.0	25,842.9	12,415.0	105.8	105.3	89.96	-13,405.4	281.2	770.6	561.9	208.71	3.692	
26,000.0	12,415.0	25,942.9	12,415.0	106.5	106.0	89.96	-13,505.4	282.0	770.6	560.4	210.21	3.666	
26,100.0	12,415.0	26,042.9	12,415.0	107.3	106.8	89.96	-13,605.4	282.7	770.6	558.9	211.71	3.640	
26,200.0	12,415.0	26,142.9	12,415.0	108.1	107.6	89.96	-13,705.4	283.5	770.6	557.4	213.20	3.614	
26,300.0	12,415.0	26,242.9	12,415.0	108.8	108.3	89.96	-13,805.4	284.3	770.6	555.9	214.70	3.589	
26,400.0	12,415.0	26,342.9	12,415.0	109.6	109.1	89.96	-13,905.4	285.0	770.6	554.4	216.20	3.564	
26,500.0	12,415.0	26,442.9	12,415.0	110.3	109.8	89.96	-14,005.4	285.8	770.6	552.9	217.70	3.540	
26,600.0	12,415.0	26,542.9	12,415.0	111.1	110.6	89.96	-14,105.4	286.5	770.6	551.4	219.20	3.516	
26,700.0	12,415.0	26,642.9	12,415.0	111.9	111.4	89.96	-14,205.4	287.3	770.6	549.9	220.70	3.492	
26,800.0	12,415.0	26,742.9	12,415.0	112.6	112.1	89.96	-14,305.4	288.0	770.6	548.4	222.20	3.468	
26,900.0	12,415.0	26,842.9	12,415.0	113.4	112.9	89.96	-14,405.4	288.8	770.6	546.9	223.70	3.445	
27,000.0	12,415.0	26,942.9	12,415.0	114.1	113.7	89.96	-14,505.4	289.5	770.6	545.4	225.20	3.422	
27,100.0	12,415.0	27,042.9	12,415.0	114.9	114.4	89.96	-14,605.4	290.3	770.6	543.9	226.70	3.399	
27,200.0	12,415.0	27,142.9	12,415.0	115.6	115.2	89.96	-14,705.3	291.1	770.6	542.4	228.20	3.377	
27,300.0	12,415.0	27,242.9	12,415.0	116.4	115.9	89.96	-14,805.3	291.8	770.6	540.9	229.70	3.355	
27,400.0	12,415.0	27,342.9	12,415.0	117.2	116.7	89.96	-14,905.3	292.6	770.6	539.4	231.20	3.333	
27,500.0	12,415.0	27,442.9	12,415.0	117.9	117.5	89.96	-15,005.3	293.3	770.6	537.9	232.70	3.312	
27,600.0	12,415.0	27,542.9	12,415.0	118.7	118.2	89.96	-15,105.3	294.1	770.6	536.4	234.20	3.290	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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				Warning			
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation				
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor				
									(usft)	(usft)	(usft)					
27,700.0	12,415.0	27,642.9	12,415.0	119.4	119.0	89.96	-15,205.3	294.8	770.6	534.9	235.70	3.269				
27,800.0	12,415.0	27,742.9	12,415.0	120.2	119.8	89.96	-15,305.3	295.6	770.6	533.4	237.21	3.249				
27,900.0	12,415.0	27,842.9	12,415.0	121.0	120.5	89.96	-15,405.3	296.4	770.6	531.9	238.71	3.228				
27,915.0	12,415.0	27,857.9	12,415.0	121.1	120.6	89.96	-15,420.3	296.5	770.6	531.7	238.93	3.225 SF				

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 @ 3742.8usft

Offset Depths are relative to Offset Datum

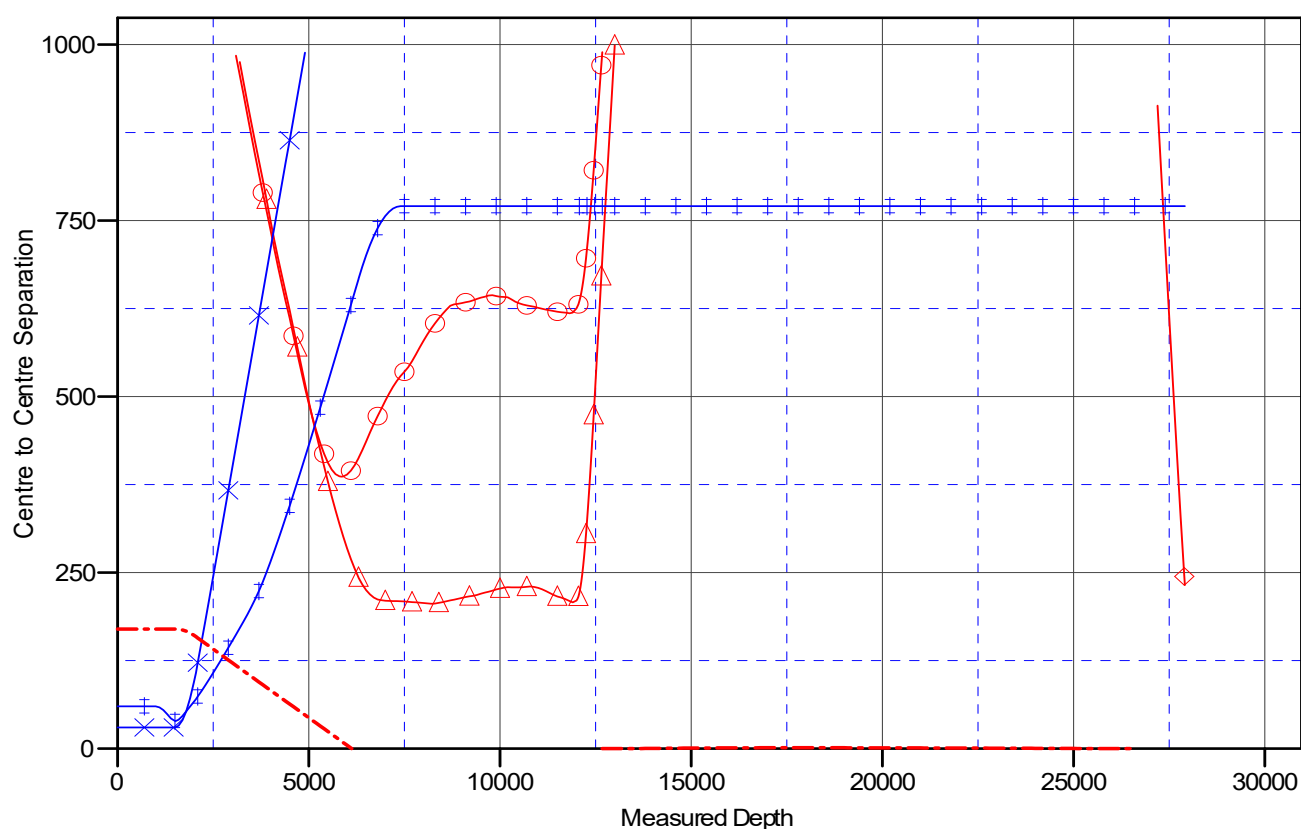
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #601H - 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

RODNEY ROBINSON FEDERAL COM #204H, OWB, AWP V0
 MIS AMIGOS STATE #108H, OWB, AWP V0
 MEAT LOVER FED COM #602H, OWB, PWP4 V0
 MEAT LOVER FED COM #603H, OWB, PWP3 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 #601H - Slot MEAT LOVER FED COM #601H
Project:	LEA COUNTY SOUTHEAST	TVD Reference:	KB=27 @ 3742.8usft
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	KB=27 @ 3742.8usft
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #601H	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 @ 3742.8usft
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #601H - 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
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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 30-025-50278	Pool Code 98177	Pool Name WC-025 G-09 WC223332A; UPR WOLFCAMP
Property Code 332964	Property Name MEAT LOVER FEDERAL COM	Well Number 601H
OGRID No. 229137	Operator Name COG OPERATING LLC	Elevation 3715.8'

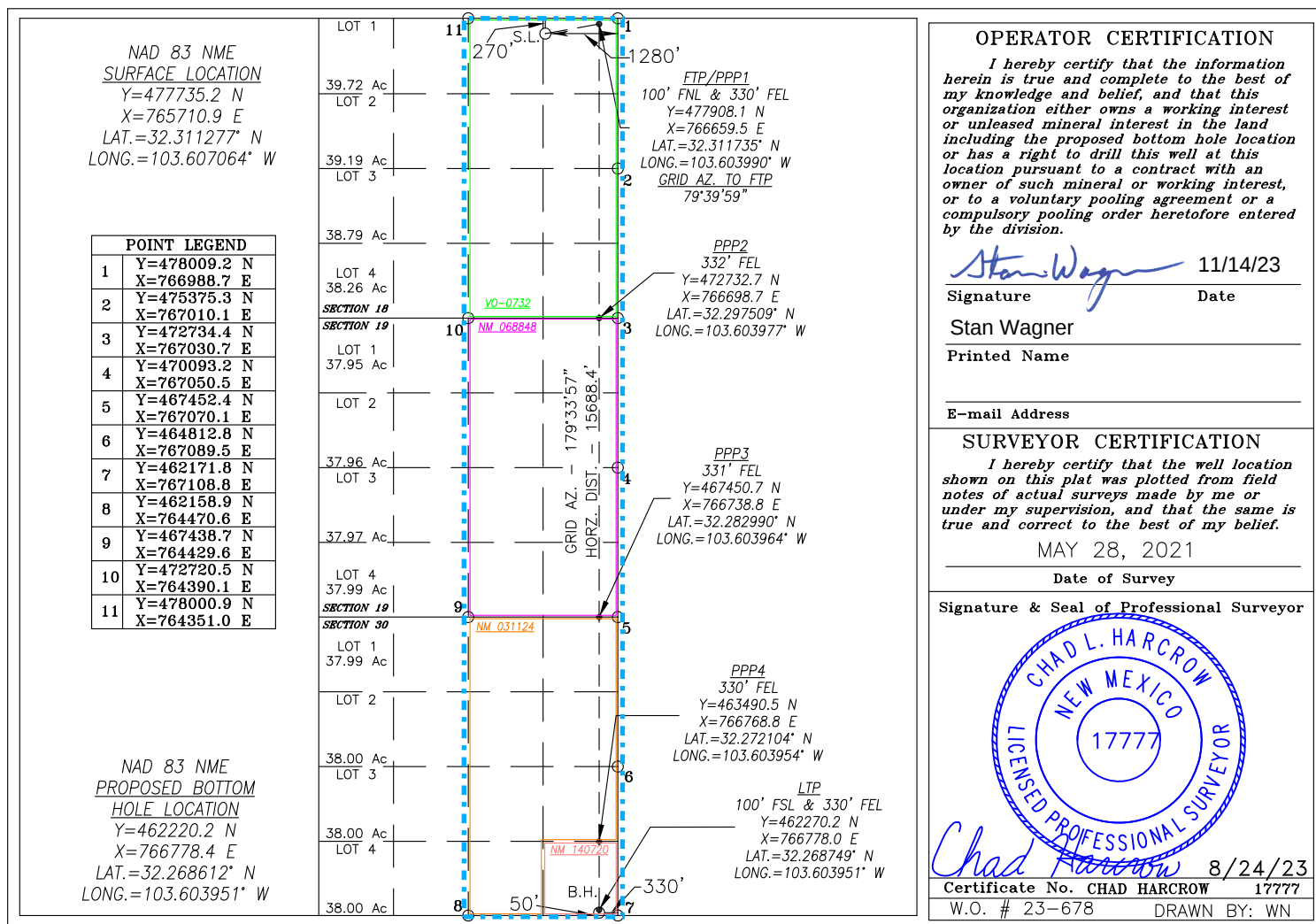
Surface Location

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	1280	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
P	30	23-S	33-E		50	SOUTH	330	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 #601H - Slot MEAT LOVER FED COM
#601H**

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 #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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
From:	Map	Easting:	720,599.28 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 18' 42.901 N
		Longitude:	103° 37' 9.447 W

Well	MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H					
Well Position	+N/-S	0.0 usft	Northing:	477,675.50 usft	Latitude:	32° 18' 40.154 N
	+E/-W	0.0 usft	Easting:	724,527.60 usft	Longitude:	103° 36' 23.695 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,715.8 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	47,667.87289546

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	176.04

Plan Survey Tool Program		Date	11/14/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	12,025.8 PWP4 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocom		
2	12,025.8	27,915.0 PWP4 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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	
2,050.0	11.00	78.00	2,046.6	10.9	51.5	2.00	2.00	0.00	78.00	
6,306.6	11.00	78.00	6,225.0	179.8	845.9	0.00	0.00	0.00	0.00	
7,406.6	0.00	0.00	7,318.3	201.7	948.9	1.00	-1.00	-7.09	-180.00	
12,025.8	0.00	0.00	11,937.5	201.7	948.9	0.00	0.00	0.00	0.00	
12,775.8	90.00	179.57	12,415.0	-275.8	952.5	12.00	12.00	23.94	179.57	
27,915.0	90.00	179.57	12,415.0	-15,414.5	1,067.1	0.00	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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	2.00	78.00	1,600.0	0.4	1.7	-0.2	2.00	2.00	0.00	
1,700.0	4.00	78.00	1,699.8	1.5	6.8	-1.0	2.00	2.00	0.00	
1,800.0	6.00	78.00	1,799.5	3.3	15.4	-2.2	2.00	2.00	0.00	
1,900.0	8.00	78.00	1,898.7	5.8	27.3	-3.9	2.00	2.00	0.00	
2,000.0	10.00	78.00	1,997.5	9.0	42.6	-6.1	2.00	2.00	0.00	
2,050.0	11.00	78.00	2,046.6	10.9	51.5	-7.4	2.00	2.00	0.00	
2,100.0	11.00	78.00	2,095.7	12.9	60.8	-8.7	0.00	0.00	0.00	
2,200.0	11.00	78.00	2,193.9	16.9	79.5	-11.4	0.00	0.00	0.00	
2,300.0	11.00	78.00	2,292.0	20.9	98.1	-14.0	0.00	0.00	0.00	
2,400.0	11.00	78.00	2,390.2	24.8	116.8	-16.7	0.00	0.00	0.00	
2,500.0	11.00	78.00	2,488.4	28.8	135.5	-19.4	0.00	0.00	0.00	
2,600.0	11.00	78.00	2,586.5	32.8	154.1	-22.0	0.00	0.00	0.00	
2,700.0	11.00	78.00	2,684.7	36.7	172.8	-24.7	0.00	0.00	0.00	
2,800.0	11.00	78.00	2,782.8	40.7	191.5	-27.4	0.00	0.00	0.00	
2,900.0	11.00	78.00	2,881.0	44.7	210.1	-30.0	0.00	0.00	0.00	
3,000.0	11.00	78.00	2,979.2	48.6	228.8	-32.7	0.00	0.00	0.00	
3,100.0	11.00	78.00	3,077.3	52.6	247.5	-35.4	0.00	0.00	0.00	
3,200.0	11.00	78.00	3,175.5	56.6	266.1	-38.1	0.00	0.00	0.00	
3,300.0	11.00	78.00	3,273.7	60.5	284.8	-40.7	0.00	0.00	0.00	
3,400.0	11.00	78.00	3,371.8	64.5	303.4	-43.4	0.00	0.00	0.00	
3,500.0	11.00	78.00	3,470.0	68.5	322.1	-46.1	0.00	0.00	0.00	
3,600.0	11.00	78.00	3,568.1	72.4	340.8	-48.7	0.00	0.00	0.00	
3,700.0	11.00	78.00	3,666.3	76.4	359.4	-51.4	0.00	0.00	0.00	
3,800.0	11.00	78.00	3,764.5	80.4	378.1	-54.1	0.00	0.00	0.00	
3,900.0	11.00	78.00	3,862.6	84.3	396.8	-56.7	0.00	0.00	0.00	
4,000.0	11.00	78.00	3,960.8	88.3	415.4	-59.4	0.00	0.00	0.00	
4,100.0	11.00	78.00	4,059.0	92.3	434.1	-62.1	0.00	0.00	0.00	
4,200.0	11.00	78.00	4,157.1	96.2	452.8	-64.7	0.00	0.00	0.00	
4,300.0	11.00	78.00	4,255.3	100.2	471.4	-67.4	0.00	0.00	0.00	
4,400.0	11.00	78.00	4,353.5	104.2	490.1	-70.1	0.00	0.00	0.00	
4,500.0	11.00	78.00	4,451.6	108.1	508.8	-72.7	0.00	0.00	0.00	
4,600.0	11.00	78.00	4,549.8	112.1	527.4	-75.4	0.00	0.00	0.00	
4,700.0	11.00	78.00	4,647.9	116.1	546.1	-78.1	0.00	0.00	0.00	
4,800.0	11.00	78.00	4,746.1	120.0	564.7	-80.8	0.00	0.00	0.00	
4,900.0	11.00	78.00	4,844.3	124.0	583.4	-83.4	0.00	0.00	0.00	
5,000.0	11.00	78.00	4,942.4	128.0	602.1	-86.1	0.00	0.00	0.00	
5,100.0	11.00	78.00	5,040.6	131.9	620.7	-88.8	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 #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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	11.00	78.00	5,138.8	135.9	639.4	-91.4	0.00	0.00	0.00	
5,300.0	11.00	78.00	5,236.9	139.9	658.1	-94.1	0.00	0.00	0.00	
5,400.0	11.00	78.00	5,335.1	143.8	676.7	-96.8	0.00	0.00	0.00	
5,500.0	11.00	78.00	5,433.2	147.8	695.4	-99.4	0.00	0.00	0.00	
5,600.0	11.00	78.00	5,531.4	151.8	714.1	-102.1	0.00	0.00	0.00	
5,700.0	11.00	78.00	5,629.6	155.7	732.7	-104.8	0.00	0.00	0.00	
5,800.0	11.00	78.00	5,727.7	159.7	751.4	-107.4	0.00	0.00	0.00	
5,900.0	11.00	78.00	5,825.9	163.7	770.0	-110.1	0.00	0.00	0.00	
6,000.0	11.00	78.00	5,924.1	167.6	788.7	-112.8	0.00	0.00	0.00	
6,100.0	11.00	78.00	6,022.2	171.6	807.4	-115.4	0.00	0.00	0.00	
6,200.0	11.00	78.00	6,120.4	175.6	826.0	-118.1	0.00	0.00	0.00	
6,306.6	11.00	78.00	6,225.0	179.8	845.9	-121.0	0.00	0.00	0.00	
6,400.0	10.07	78.00	6,316.8	183.4	862.6	-123.3	1.00	-1.00	0.00	
6,500.0	9.07	78.00	6,415.5	186.8	878.9	-125.7	1.00	-1.00	0.00	
6,600.0	8.07	78.00	6,514.3	189.9	893.5	-127.8	1.00	-1.00	0.00	
6,700.0	7.07	78.00	6,613.5	192.6	906.3	-129.6	1.00	-1.00	0.00	
6,800.0	6.07	78.00	6,712.8	195.0	917.5	-131.2	1.00	-1.00	0.00	
6,900.0	5.07	78.00	6,812.3	197.0	927.0	-132.6	1.00	-1.00	0.00	
7,000.0	4.07	78.00	6,912.0	198.7	934.8	-133.7	1.00	-1.00	0.00	
7,100.0	3.07	78.00	7,011.8	200.0	940.9	-134.5	1.00	-1.00	0.00	
7,200.0	2.07	78.00	7,111.7	200.9	945.3	-135.2	1.00	-1.00	0.00	
7,300.0	1.07	78.00	7,211.7	201.5	947.9	-135.5	1.00	-1.00	0.00	
7,406.6	0.00	0.00	7,318.3	201.7	948.9	-135.7	1.00	-1.00	-73.19	
7,500.0	0.00	0.00	7,411.7	201.7	948.9	-135.7	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,511.7	201.7	948.9	-135.7	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,611.7	201.7	948.9	-135.7	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,711.7	201.7	948.9	-135.7	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,811.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,911.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,011.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,111.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,211.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,311.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,411.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,511.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,611.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,711.7	201.7	948.9	-135.7	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,811.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,911.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,100.0	0.00	0.00	9,011.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,111.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,211.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,311.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,411.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,511.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,611.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,711.7	201.7	948.9	-135.7	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,811.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,911.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,100.0	0.00	0.00	10,011.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,111.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,300.0	0.00	0.00	10,211.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,311.7	201.7	948.9	-135.7	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 #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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)	
10,500.0	0.00	0.00	10,411.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,511.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,611.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,711.7	201.7	948.9	-135.7	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,811.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,911.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,100.0	0.00	0.00	11,011.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,111.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,211.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,311.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,411.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,511.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,611.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,711.7	201.7	948.9	-135.7	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,811.7	201.7	948.9	-135.7	0.00	0.00	0.00	
12,000.0	0.00	0.00	11,911.7	201.7	948.9	-135.7	0.00	0.00	0.00	
12,025.8	0.00	0.00	11,937.5	201.7	948.9	-135.7	0.00	0.00	0.00	
12,050.0	2.90	179.57	11,961.7	201.1	948.9	-135.1	12.00	12.00	742.71	
12,075.0	5.90	179.57	11,986.6	199.2	948.9	-133.2	12.00	12.00	0.00	
12,100.0	8.90	179.57	12,011.4	195.9	948.9	-129.9	12.00	12.00	0.00	
12,125.0	11.90	179.57	12,036.0	191.4	949.0	-125.4	12.00	12.00	0.00	
12,150.0	14.90	179.57	12,060.3	185.6	949.0	-119.7	12.00	12.00	0.00	
12,175.0	17.90	179.57	12,084.3	178.6	949.1	-112.6	12.00	12.00	0.00	
12,200.0	20.90	179.57	12,107.8	170.3	949.1	-104.3	12.00	12.00	0.00	
12,225.0	23.90	179.57	12,131.0	160.8	949.2	-94.8	12.00	12.00	0.00	
12,250.0	26.90	179.57	12,153.5	150.0	949.3	-84.1	12.00	12.00	0.00	
12,275.0	29.90	179.57	12,175.5	138.1	949.4	-72.2	12.00	12.00	0.00	
12,300.0	32.90	179.57	12,196.9	125.1	949.5	-59.2	12.00	12.00	0.00	
12,325.0	35.90	179.57	12,217.5	111.0	949.6	-45.1	12.00	12.00	0.00	
12,350.0	38.90	179.57	12,237.3	95.8	949.7	-30.0	12.00	12.00	0.00	
12,375.0	41.90	179.57	12,256.4	79.6	949.8	-13.8	12.00	12.00	0.00	
12,400.0	44.90	179.57	12,274.5	62.4	950.0	3.3	12.00	12.00	0.00	
12,425.0	47.90	179.57	12,291.8	44.3	950.1	21.4	12.00	12.00	0.00	
12,450.0	50.90	179.57	12,308.0	25.4	950.2	40.3	12.00	12.00	0.00	
12,475.0	53.90	179.57	12,323.3	5.5	950.4	60.1	12.00	12.00	0.00	
12,500.0	56.90	179.57	12,337.5	-15.0	950.5	80.6	12.00	12.00	0.00	
12,525.0	59.90	179.57	12,350.6	-36.3	950.7	101.9	12.00	12.00	0.00	
12,550.0	62.90	179.57	12,362.5	-58.3	950.9	123.8	12.00	12.00	0.00	
12,575.0	65.90	179.57	12,373.4	-80.8	951.0	146.3	12.00	12.00	0.00	
12,600.0	68.90	179.57	12,383.0	-103.9	951.2	169.3	12.00	12.00	0.00	
12,625.0	71.90	179.57	12,391.3	-127.4	951.4	192.8	12.00	12.00	0.00	
12,650.0	74.90	179.57	12,398.5	-151.4	951.6	216.7	12.00	12.00	0.00	
12,675.0	77.90	179.57	12,404.4	-175.7	951.8	241.0	12.00	12.00	0.00	
12,700.0	80.90	179.57	12,409.0	-200.3	951.9	265.5	12.00	12.00	0.00	
12,725.0	83.90	179.57	12,412.3	-225.0	952.1	290.2	12.00	12.00	0.00	
12,750.0	86.90	179.57	12,414.3	-249.9	952.3	315.1	12.00	12.00	0.00	
12,775.8	90.00	179.57	12,415.0	-275.8	952.5	340.9	12.00	12.00	0.00	
12,800.0	90.00	179.57	12,415.0	-299.9	952.7	365.0	0.00	0.00	0.00	
12,900.0	90.00	179.57	12,415.0	-399.9	953.5	464.8	0.00	0.00	0.00	
13,000.0	90.00	179.57	12,415.0	-499.9	954.2	564.6	0.00	0.00	0.00	
13,100.0	90.00	179.57	12,415.0	-599.9	955.0	664.4	0.00	0.00	0.00	
13,200.0	90.00	179.57	12,415.0	-699.9	955.7	764.3	0.00	0.00	0.00	
13,300.0	90.00	179.57	12,415.0	-799.9	956.5	864.1	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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)
13,400.0	90.00	179.57	12,415.0	-899.9	957.2	963.9	0.00	0.00	0.00
13,500.0	90.00	179.57	12,415.0	-999.9	958.0	1,063.7	0.00	0.00	0.00
13,600.0	90.00	179.57	12,415.0	-1,099.9	958.7	1,163.5	0.00	0.00	0.00
13,700.0	90.00	179.57	12,415.0	-1,199.9	959.5	1,263.3	0.00	0.00	0.00
13,800.0	90.00	179.57	12,415.0	-1,299.9	960.3	1,363.1	0.00	0.00	0.00
13,900.0	90.00	179.57	12,415.0	-1,399.9	961.0	1,462.9	0.00	0.00	0.00
14,000.0	90.00	179.57	12,415.0	-1,499.9	961.8	1,562.7	0.00	0.00	0.00
14,100.0	90.00	179.57	12,415.0	-1,599.9	962.5	1,662.5	0.00	0.00	0.00
14,200.0	90.00	179.57	12,415.0	-1,699.9	963.3	1,762.4	0.00	0.00	0.00
14,300.0	90.00	179.57	12,415.0	-1,799.9	964.0	1,862.2	0.00	0.00	0.00
14,400.0	90.00	179.57	12,415.0	-1,899.9	964.8	1,962.0	0.00	0.00	0.00
14,500.0	90.00	179.57	12,415.0	-1,999.9	965.6	2,061.8	0.00	0.00	0.00
14,600.0	90.00	179.57	12,415.0	-2,099.9	966.3	2,161.6	0.00	0.00	0.00
14,700.0	90.00	179.57	12,415.0	-2,199.9	967.1	2,261.4	0.00	0.00	0.00
14,800.0	90.00	179.57	12,415.0	-2,299.9	967.8	2,361.2	0.00	0.00	0.00
14,900.0	90.00	179.57	12,415.0	-2,399.9	968.6	2,461.0	0.00	0.00	0.00
15,000.0	90.00	179.57	12,415.0	-2,499.9	969.3	2,560.8	0.00	0.00	0.00
15,100.0	90.00	179.57	12,415.0	-2,599.9	970.1	2,660.7	0.00	0.00	0.00
15,200.0	90.00	179.57	12,415.0	-2,699.9	970.9	2,760.5	0.00	0.00	0.00
15,300.0	90.00	179.57	12,415.0	-2,799.9	971.6	2,860.3	0.00	0.00	0.00
15,400.0	90.00	179.57	12,415.0	-2,899.9	972.4	2,960.1	0.00	0.00	0.00
15,500.0	90.00	179.57	12,415.0	-2,999.9	973.1	3,059.9	0.00	0.00	0.00
15,600.0	90.00	179.57	12,415.0	-3,099.9	973.9	3,159.7	0.00	0.00	0.00
15,700.0	90.00	179.57	12,415.0	-3,199.9	974.6	3,259.5	0.00	0.00	0.00
15,800.0	90.00	179.57	12,415.0	-3,299.8	975.4	3,359.3	0.00	0.00	0.00
15,900.0	90.00	179.57	12,415.0	-3,399.8	976.2	3,459.1	0.00	0.00	0.00
16,000.0	90.00	179.57	12,415.0	-3,499.8	976.9	3,559.0	0.00	0.00	0.00
16,100.0	90.00	179.57	12,415.0	-3,599.8	977.7	3,658.8	0.00	0.00	0.00
16,200.0	90.00	179.57	12,415.0	-3,699.8	978.4	3,758.6	0.00	0.00	0.00
16,300.0	90.00	179.57	12,415.0	-3,799.8	979.2	3,858.4	0.00	0.00	0.00
16,400.0	90.00	179.57	12,415.0	-3,899.8	979.9	3,958.2	0.00	0.00	0.00
16,500.0	90.00	179.57	12,415.0	-3,999.8	980.7	4,058.0	0.00	0.00	0.00
16,600.0	90.00	179.57	12,415.0	-4,099.8	981.5	4,157.8	0.00	0.00	0.00
16,700.0	90.00	179.57	12,415.0	-4,199.8	982.2	4,257.6	0.00	0.00	0.00
16,800.0	90.00	179.57	12,415.0	-4,299.8	983.0	4,357.4	0.00	0.00	0.00
16,900.0	90.00	179.57	12,415.0	-4,399.8	983.7	4,457.2	0.00	0.00	0.00
17,000.0	90.00	179.57	12,415.0	-4,499.8	984.5	4,557.1	0.00	0.00	0.00
17,100.0	90.00	179.57	12,415.0	-4,599.8	985.2	4,656.9	0.00	0.00	0.00
17,200.0	90.00	179.57	12,415.0	-4,699.8	986.0	4,756.7	0.00	0.00	0.00
17,300.0	90.00	179.57	12,415.0	-4,799.8	986.7	4,856.5	0.00	0.00	0.00
17,400.0	90.00	179.57	12,415.0	-4,899.8	987.5	4,956.3	0.00	0.00	0.00
17,500.0	90.00	179.57	12,415.0	-4,999.8	988.3	5,056.1	0.00	0.00	0.00
17,600.0	90.00	179.57	12,415.0	-5,099.8	989.0	5,155.9	0.00	0.00	0.00
17,700.0	90.00	179.57	12,415.0	-5,199.8	989.8	5,255.7	0.00	0.00	0.00
17,800.0	90.00	179.57	12,415.0	-5,299.8	990.5	5,355.5	0.00	0.00	0.00
17,900.0	90.00	179.57	12,415.0	-5,399.8	991.3	5,455.4	0.00	0.00	0.00
18,000.0	90.00	179.57	12,415.0	-5,499.8	992.0	5,555.2	0.00	0.00	0.00
18,100.0	90.00	179.57	12,415.0	-5,599.8	992.8	5,655.0	0.00	0.00	0.00
18,200.0	90.00	179.57	12,415.0	-5,699.8	993.6	5,754.8	0.00	0.00	0.00
18,300.0	90.00	179.57	12,415.0	-5,799.8	994.3	5,854.6	0.00	0.00	0.00
18,400.0	90.00	179.57	12,415.0	-5,899.8	995.1	5,954.4	0.00	0.00	0.00
18,500.0	90.00	179.57	12,415.0	-5,999.8	995.8	6,054.2	0.00	0.00	0.00
18,600.0	90.00	179.57	12,415.0	-6,099.8	996.6	6,154.0	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 #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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)
18,700.0	90.00	179.57	12,415.0	-6,199.8	997.3	6,253.8	0.00	0.00	0.00
18,800.0	90.00	179.57	12,415.0	-6,299.8	998.1	6,353.6	0.00	0.00	0.00
18,900.0	90.00	179.57	12,415.0	-6,399.8	998.9	6,453.5	0.00	0.00	0.00
19,000.0	90.00	179.57	12,415.0	-6,499.8	999.6	6,553.3	0.00	0.00	0.00
19,100.0	90.00	179.57	12,415.0	-6,599.8	1,000.4	6,653.1	0.00	0.00	0.00
19,200.0	90.00	179.57	12,415.0	-6,699.7	1,001.1	6,752.9	0.00	0.00	0.00
19,300.0	90.00	179.57	12,415.0	-6,799.7	1,001.9	6,852.7	0.00	0.00	0.00
19,400.0	90.00	179.57	12,415.0	-6,899.7	1,002.6	6,952.5	0.00	0.00	0.00
19,500.0	90.00	179.57	12,415.0	-6,999.7	1,003.4	7,052.3	0.00	0.00	0.00
19,600.0	90.00	179.57	12,415.0	-7,099.7	1,004.2	7,152.1	0.00	0.00	0.00
19,700.0	90.00	179.57	12,415.0	-7,199.7	1,004.9	7,251.9	0.00	0.00	0.00
19,800.0	90.00	179.57	12,415.0	-7,299.7	1,005.7	7,351.8	0.00	0.00	0.00
19,900.0	90.00	179.57	12,415.0	-7,399.7	1,006.4	7,451.6	0.00	0.00	0.00
20,000.0	90.00	179.57	12,415.0	-7,499.7	1,007.2	7,551.4	0.00	0.00	0.00
20,100.0	90.00	179.57	12,415.0	-7,599.7	1,007.9	7,651.2	0.00	0.00	0.00
20,200.0	90.00	179.57	12,415.0	-7,699.7	1,008.7	7,751.0	0.00	0.00	0.00
20,300.0	90.00	179.57	12,415.0	-7,799.7	1,009.5	7,850.8	0.00	0.00	0.00
20,400.0	90.00	179.57	12,415.0	-7,899.7	1,010.2	7,950.6	0.00	0.00	0.00
20,500.0	90.00	179.57	12,415.0	-7,999.7	1,011.0	8,050.4	0.00	0.00	0.00
20,600.0	90.00	179.57	12,415.0	-8,099.7	1,011.7	8,150.2	0.00	0.00	0.00
20,700.0	90.00	179.57	12,415.0	-8,199.7	1,012.5	8,250.1	0.00	0.00	0.00
20,800.0	90.00	179.57	12,415.0	-8,299.7	1,013.2	8,349.9	0.00	0.00	0.00
20,900.0	90.00	179.57	12,415.0	-8,399.7	1,014.0	8,449.7	0.00	0.00	0.00
21,000.0	90.00	179.57	12,415.0	-8,499.7	1,014.7	8,549.5	0.00	0.00	0.00
21,100.0	90.00	179.57	12,415.0	-8,599.7	1,015.5	8,649.3	0.00	0.00	0.00
21,200.0	90.00	179.57	12,415.0	-8,699.7	1,016.3	8,749.1	0.00	0.00	0.00
21,300.0	90.00	179.57	12,415.0	-8,799.7	1,017.0	8,848.9	0.00	0.00	0.00
21,400.0	90.00	179.57	12,415.0	-8,899.7	1,017.8	8,948.7	0.00	0.00	0.00
21,500.0	90.00	179.57	12,415.0	-8,999.7	1,018.5	9,048.5	0.00	0.00	0.00
21,600.0	90.00	179.57	12,415.0	-9,099.7	1,019.3	9,148.3	0.00	0.00	0.00
21,700.0	90.00	179.57	12,415.0	-9,199.7	1,020.0	9,248.2	0.00	0.00	0.00
21,800.0	90.00	179.57	12,415.0	-9,299.7	1,020.8	9,348.0	0.00	0.00	0.00
21,900.0	90.00	179.57	12,415.0	-9,399.7	1,021.6	9,447.8	0.00	0.00	0.00
22,000.0	90.00	179.57	12,415.0	-9,499.7	1,022.3	9,547.6	0.00	0.00	0.00
22,100.0	90.00	179.57	12,415.0	-9,599.7	1,023.1	9,647.4	0.00	0.00	0.00
22,200.0	90.00	179.57	12,415.0	-9,699.7	1,023.8	9,747.2	0.00	0.00	0.00
22,300.0	90.00	179.57	12,415.0	-9,799.7	1,024.6	9,847.0	0.00	0.00	0.00
22,400.0	90.00	179.57	12,415.0	-9,899.7	1,025.3	9,946.8	0.00	0.00	0.00
22,500.0	90.00	179.57	12,415.0	-9,999.7	1,026.1	10,046.6	0.00	0.00	0.00
22,600.0	90.00	179.57	12,415.0	-10,099.7	1,026.9	10,146.5	0.00	0.00	0.00
22,700.0	90.00	179.57	12,415.0	-10,199.6	1,027.6	10,246.3	0.00	0.00	0.00
22,800.0	90.00	179.57	12,415.0	-10,299.6	1,028.4	10,346.1	0.00	0.00	0.00
22,900.0	90.00	179.57	12,415.0	-10,399.6	1,029.1	10,445.9	0.00	0.00	0.00
23,000.0	90.00	179.57	12,415.0	-10,499.6	1,029.9	10,545.7	0.00	0.00	0.00
23,100.0	90.00	179.57	12,415.0	-10,599.6	1,030.6	10,645.5	0.00	0.00	0.00
23,200.0	90.00	179.57	12,415.0	-10,699.6	1,031.4	10,745.3	0.00	0.00	0.00
23,300.0	90.00	179.57	12,415.0	-10,799.6	1,032.2	10,845.1	0.00	0.00	0.00
23,400.0	90.00	179.57	12,415.0	-10,899.6	1,032.9	10,944.9	0.00	0.00	0.00
23,500.0	90.00	179.57	12,415.0	-10,999.6	1,033.7	11,044.8	0.00	0.00	0.00
23,600.0	90.00	179.57	12,415.0	-11,099.6	1,034.4	11,144.6	0.00	0.00	0.00
23,700.0	90.00	179.57	12,415.0	-11,199.6	1,035.2	11,244.4	0.00	0.00	0.00
23,800.0	90.00	179.57	12,415.0	-11,299.6	1,035.9	11,344.2	0.00	0.00	0.00
23,900.0	90.00	179.57	12,415.0	-11,399.6	1,036.7	11,444.0	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 #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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)	
24,000.0	90.00	179.57	12,415.0	-11,499.6	1,037.5	11,543.8	0.00	0.00	0.00	
24,100.0	90.00	179.57	12,415.0	-11,599.6	1,038.2	11,643.6	0.00	0.00	0.00	
24,200.0	90.00	179.57	12,415.0	-11,699.6	1,039.0	11,743.4	0.00	0.00	0.00	
24,300.0	90.00	179.57	12,415.0	-11,799.6	1,039.7	11,843.2	0.00	0.00	0.00	
24,400.0	90.00	179.57	12,415.0	-11,899.6	1,040.5	11,943.0	0.00	0.00	0.00	
24,500.0	90.00	179.57	12,415.0	-11,999.6	1,041.2	12,042.9	0.00	0.00	0.00	
24,600.0	90.00	179.57	12,415.0	-12,099.6	1,042.0	12,142.7	0.00	0.00	0.00	
24,700.0	90.00	179.57	12,415.0	-12,199.6	1,042.7	12,242.5	0.00	0.00	0.00	
24,800.0	90.00	179.57	12,415.0	-12,299.6	1,043.5	12,342.3	0.00	0.00	0.00	
24,900.0	90.00	179.57	12,415.0	-12,399.6	1,044.3	12,442.1	0.00	0.00	0.00	
25,000.0	90.00	179.57	12,415.0	-12,499.6	1,045.0	12,541.9	0.00	0.00	0.00	
25,100.0	90.00	179.57	12,415.0	-12,599.6	1,045.8	12,641.7	0.00	0.00	0.00	
25,200.0	90.00	179.57	12,415.0	-12,699.6	1,046.5	12,741.5	0.00	0.00	0.00	
25,300.0	90.00	179.57	12,415.0	-12,799.6	1,047.3	12,841.3	0.00	0.00	0.00	
25,400.0	90.00	179.57	12,415.0	-12,899.6	1,048.0	12,941.2	0.00	0.00	0.00	
25,500.0	90.00	179.57	12,415.0	-12,999.6	1,048.8	13,041.0	0.00	0.00	0.00	
25,600.0	90.00	179.57	12,415.0	-13,099.6	1,049.6	13,140.8	0.00	0.00	0.00	
25,700.0	90.00	179.57	12,415.0	-13,199.6	1,050.3	13,240.6	0.00	0.00	0.00	
25,800.0	90.00	179.57	12,415.0	-13,299.6	1,051.1	13,340.4	0.00	0.00	0.00	
25,900.0	90.00	179.57	12,415.0	-13,399.6	1,051.8	13,440.2	0.00	0.00	0.00	
26,000.0	90.00	179.57	12,415.0	-13,499.6	1,052.6	13,540.0	0.00	0.00	0.00	
26,100.0	90.00	179.57	12,415.0	-13,599.6	1,053.3	13,639.8	0.00	0.00	0.00	
26,200.0	90.00	179.57	12,415.0	-13,699.5	1,054.1	13,739.6	0.00	0.00	0.00	
26,300.0	90.00	179.57	12,415.0	-13,799.5	1,054.9	13,839.4	0.00	0.00	0.00	
26,400.0	90.00	179.57	12,415.0	-13,899.5	1,055.6	13,939.3	0.00	0.00	0.00	
26,500.0	90.00	179.57	12,415.0	-13,999.5	1,056.4	14,039.1	0.00	0.00	0.00	
26,600.0	90.00	179.57	12,415.0	-14,099.5	1,057.1	14,138.9	0.00	0.00	0.00	
26,700.0	90.00	179.57	12,415.0	-14,199.5	1,057.9	14,238.7	0.00	0.00	0.00	
26,800.0	90.00	179.57	12,415.0	-14,299.5	1,058.6	14,338.5	0.00	0.00	0.00	
26,900.0	90.00	179.57	12,415.0	-14,399.5	1,059.4	14,438.3	0.00	0.00	0.00	
27,000.0	90.00	179.57	12,415.0	-14,499.5	1,060.2	14,538.1	0.00	0.00	0.00	
27,100.0	90.00	179.57	12,415.0	-14,599.5	1,060.9	14,637.9	0.00	0.00	0.00	
27,200.0	90.00	179.57	12,415.0	-14,699.5	1,061.7	14,737.7	0.00	0.00	0.00	
27,300.0	90.00	179.57	12,415.0	-14,799.5	1,062.4	14,837.6	0.00	0.00	0.00	
27,400.0	90.00	179.57	12,415.0	-14,899.5	1,063.2	14,937.4	0.00	0.00	0.00	
27,500.0	90.00	179.57	12,415.0	-14,999.5	1,063.9	15,037.2	0.00	0.00	0.00	
27,600.0	90.00	179.57	12,415.0	-15,099.5	1,064.7	15,137.0	0.00	0.00	0.00	
27,700.0	90.00	179.57	12,415.0	-15,199.5	1,065.5	15,236.8	0.00	0.00	0.00	
27,800.0	90.00	179.57	12,415.0	-15,299.5	1,066.2	15,336.6	0.00	0.00	0.00	
27,900.0	90.00	179.57	12,415.0	-15,399.5	1,067.0	15,436.4	0.00	0.00	0.00	
27,915.0	90.00	179.57	12,415.0	-15,414.5	1,067.1	15,451.4	0.00	0.00	0.00	

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #601H - Slot MEAT LOVER FED COM #601H
Company:	DELAWARE BASIN EAST	TVD Reference:	KB=27 @ 3742.8usft
Project:	LEA COUNTY SOUTHEAST	MD Reference:	KB=27 @ 3742.8usft
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #601H	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)		
PBHL (MEAT LOVER FE	0.00	359.57	12,415.0	-15,514.5	1,067.2	462,161.00	725,594.80	32° 16' 6.559 N	103° 36' 12.490 W
- plan misses target center by 100.0usft at 27915.0usft MD (12415.0 TVD, -15414.5 N, 1067.1 E)									
- Rectangle (sides W100.0 H15,691.9 D20.0)									
FTP (MEAT LOVER FEI	0.00	0.00	12,415.0	172.9	948.7	477,848.40	725,476.30	32° 18' 41.801 N	103° 36' 12.627 W
- plan misses target center by 177.8usft at 12416.9usft MD (12286.3 TVD, 50.3 N, 950.0 E)									
- Circle (radius 50.0)									
LTP (MEAT LOVER FEC	90.00	179.58	12,415.0	-15,464.5	1,066.8	462,211.00	725,594.40	32° 16' 7.054 N	103° 36' 12.491 W
- plan misses target center by 50.0usft at 27915.0usft MD (12415.0 TVD, -15414.5 N, 1067.1 E)									
- Circle (radius 50.0)									

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 291106

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 291106
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

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