

Well Name: MEAT LOVER FEDERAL COM	Well Location: T23S / R33E / SEC 18 / NENW /	County or Parish/State:
Well Number: 605H	Type of Well: OIL WELL	Allottee or Tribe Name:
Lease Number: NMLC0068848	Unit or CA Name:	Unit or CA Number:
US Well Number: 3002550282	Well Status: Approved Application for Permit to Drill	Operator: COG OPERATING LLC

Notice of Intent

Sundry ID: 2757920

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 10/24/2023	Time Sundry Submitted: 02:59
Date proposed operation will begin: 10/24/2023	

Procedure Description: COG Operating requests an amendment to our approved APD for this well to reflect changes in BHL and dedicated acres. Change BHL FROM: 50' FSL & 2310 FWL TO: 50' FSL & 2592 FEL SWSE 30-23S-33E Lea County, NM.

NOI Attachments

Procedure Description

- MEAT_LOVER_FED_COM_605H_C102_signed_10_24_23_20231024145822.pdf
- MEAT_LOVER_FED_COM_605H_APD_WP_20231024145822.pdf
- Meat_Lovers_Fed_Com_605H_APD_drill_plan_revised_10_24_23_20231024145822.pdf
- MEAT_LOVER_FED_COM_605H_APD_AC_RPT_20231024145822.pdf
- MEAT_LOVER_FED_COM_605H_APD_DIR_RPT_20231024145822.pdf

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US Well Number: 3002550282	Well Status: Approved Application for Permit to Drill	Operator: COG OPERATING LLC

Operator

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

Operator Electronic Signature: STAN WAGNER	Signed on: OCT 24, 2023 02:59 PM
Name: COG OPERATING LLC	
Title: Regulatory Advisor	
Street Address: 600 WEST ILLINOIS AVE	
City: MIDLAND	State: TX
Phone: (432) 253-9685	
Email address: STAN.S.WAGNER@CONOCOPHILLIPS.COM	

Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

BLM POC Name: CHRISTOPHER WALLS	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5752342234	BLM POC Email Address: cwalls@blm.gov
Disposition: Approved	Disposition Date: 11/21/2023
Signature: Chris Walls	

Form 3160-5
(June 2019)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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.

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021

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 ☐ Temporarily Abandon
	☐ Convert to Injection ☐ Plug Back ☐ Water Disposal

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

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

Title

Signature

Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

Office

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

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

SPECIFIC INSTRUCTIONS

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

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

NOTICES

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

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

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

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

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

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

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

Response to this request is mandatory.

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

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

Additional Information

Location of Well

0. SHL: NENW / 270 FNL / 1370 FWL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311295 / LONG: -103.615336 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 100 FNL / 2310 FWL / TWSP: 23S / RANGE: 33E / SECTION: 18 / LAT: 32.311759 / LONG: -103.612293 (TVD: 12305 feet, MD: 12400 feet)

PPP: NENW / 1 FNL / 2310 FWL / TWSP: 23S / RANGE: 33E / SECTION: 19 / LAT: 32.2977519 / LONG: -103.612288 (TVD: 12490 feet, MD: 17600 feet)

BHL: SESW / 50 FSL / 2310 FWL / TWSP: 23S / RANGE: 33E / SECTION: 30 / LAT: 32.268625 / LONG: -103.612276 (TVD: 12545 feet, MD: 27978 feet)

CONFIDENTIAL

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-50282	Pool Code 98177	Pool Name WC-025 G-09 S223332A; Upper Wolfcamp
Property Code 332964	Property Name MEAT LOVER FEDERAL COM	Well Number 605H
OGRID No. 229137	Operator Name COG OPERATING LLC	Elevation 3718.1'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	18	23-S	33-E		270	NORTH	1370	WEST	LEA

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	30	23-S	33-E		50	SOUTH	2592	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1894.72		Com	

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

NAD 83 NME
SURFACE LOCATION
Y=477724.5 N
X=763155.3 E
LAT.=32.311295° N
LONG.=103.615336° W

POINT LEGEND	
1	Y=477987.2 N X=761783.7 E
2	Y=475351.1 N X=761800.5 E
3	Y=472706.5 N X=761818.4 E
4	Y=467425.4 N X=761852.8 E
5	Y=462144.0 N X=761895.5 E
6	Y=462171.8 N X=767108.8 E
7	Y=464812.8 N X=767089.5 E
8	Y=467452.4 N X=767070.1 E
9	Y=470093.2 N X=767050.5 E
10	Y=472734.4 N X=767030.7 E
11	Y=475375.3 N X=767010.1 E
12	Y=478009.2 N X=766988.7 E

NAD 83 NME
PROPOSED BOTTOM
HOLE LOCATION
Y=462209.2 N
X=764516.4 E
LAT.=32.268624° N
LONG.=103.611269° W

OPERATOR CERTIFICATION

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

Stan Wagner 10/24/2023

Signature _____ Date _____

Printed Name _____

E-mail Address _____

SURVEYOR CERTIFICATION

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

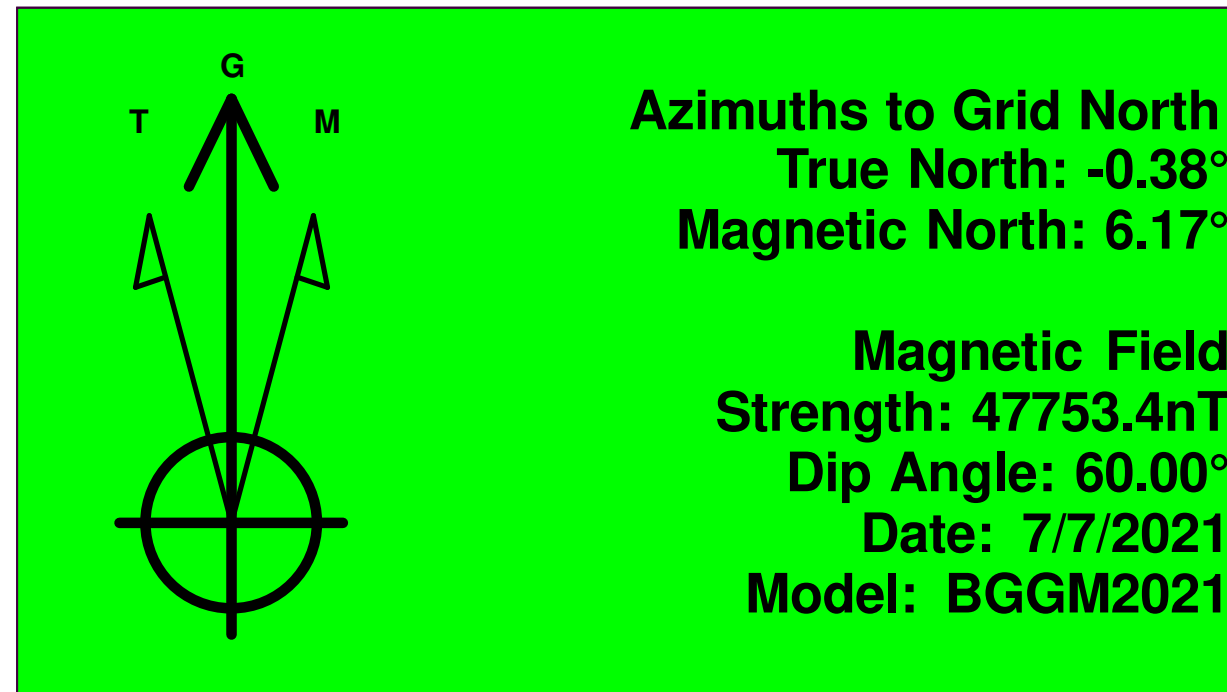
MAY 28, 2021

Signature & Seal of Professional Surveyor _____ Date of Survey _____

Chad L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 10/5/23

Certificate No. CHAD HARCROW 17777
W.O. # 23-801 DRAWN BY: WN



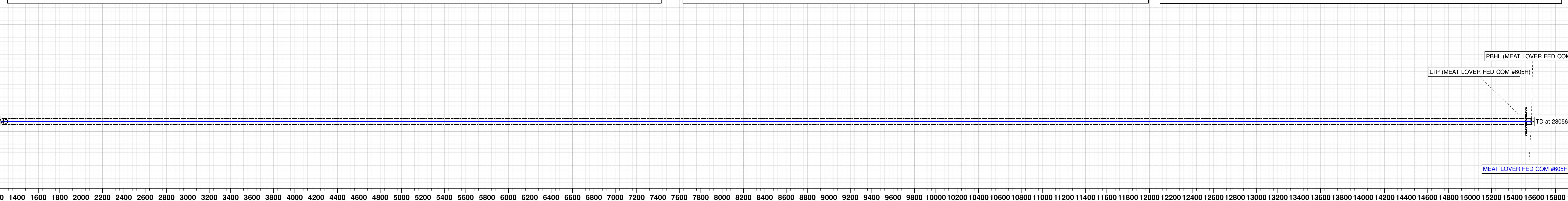
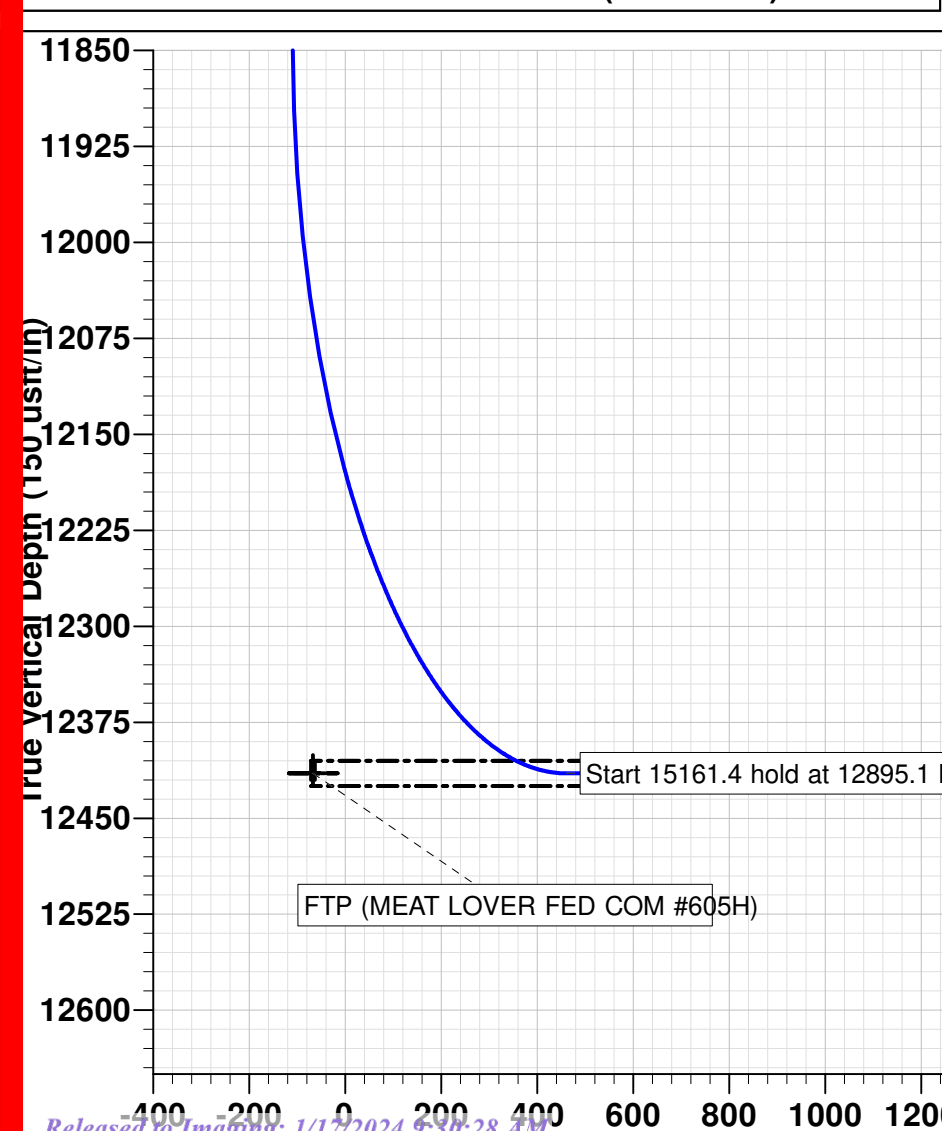
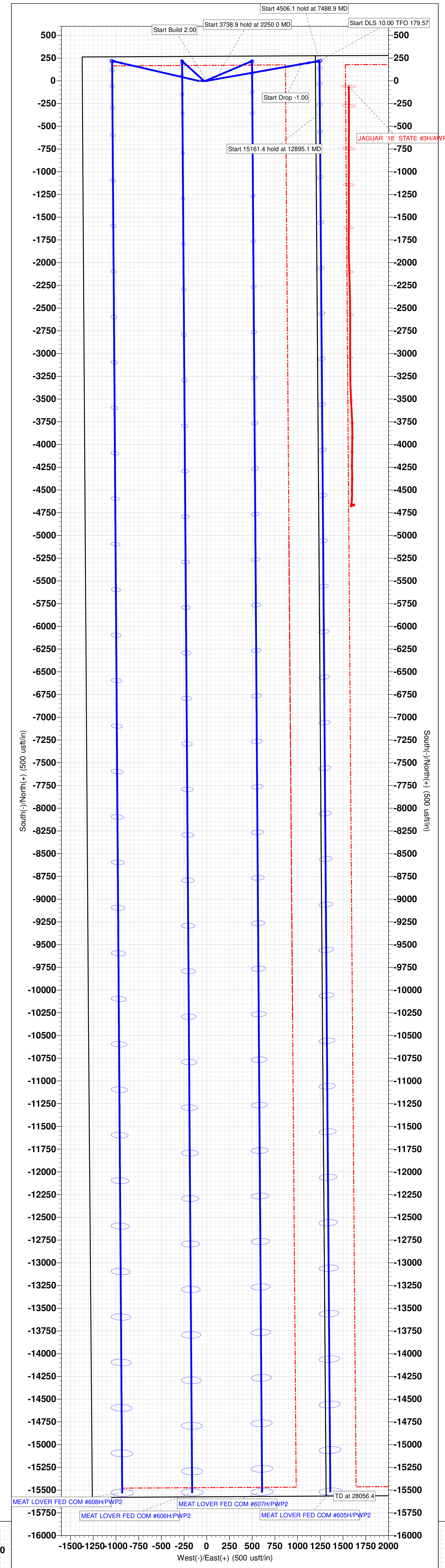
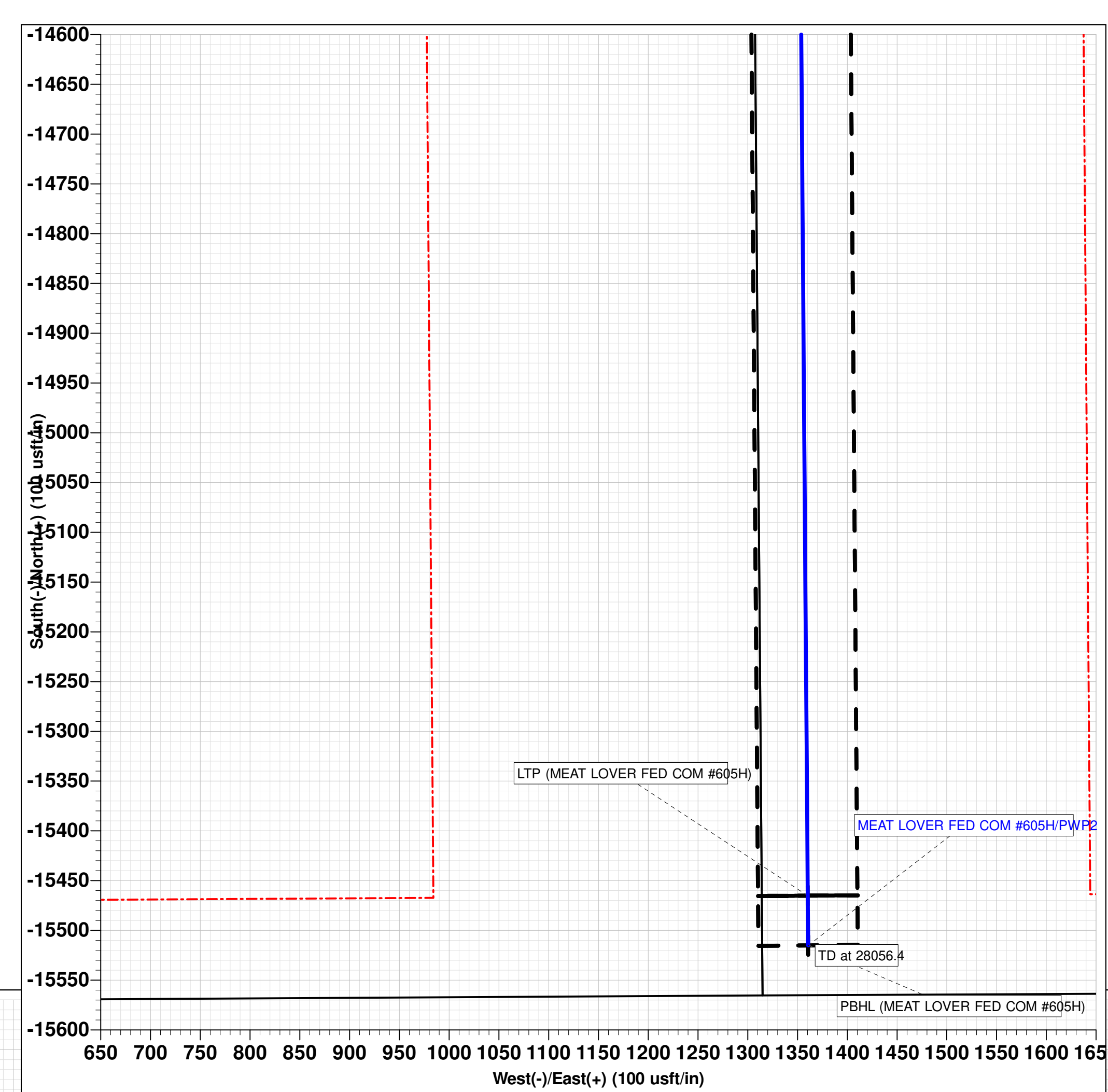
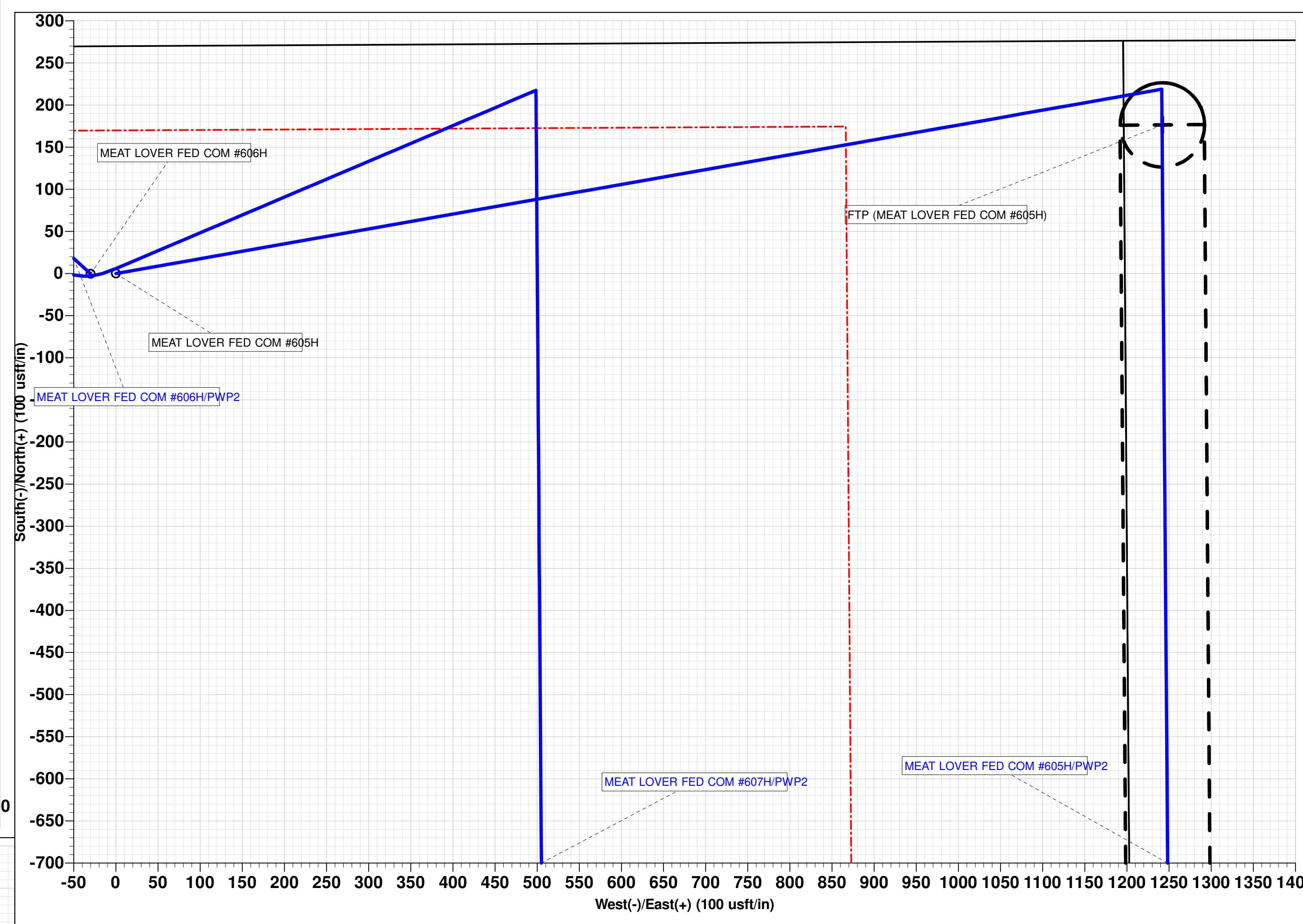
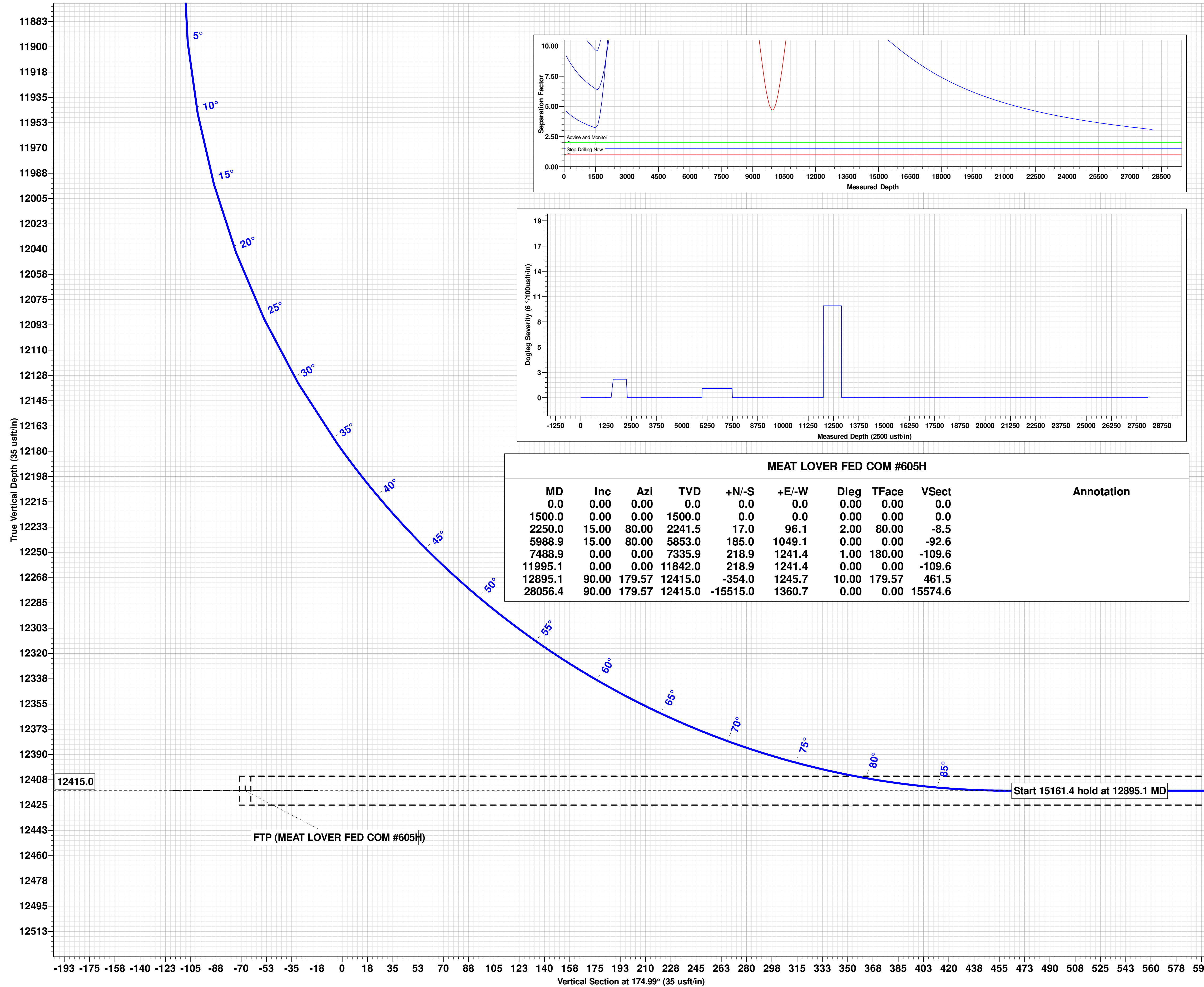
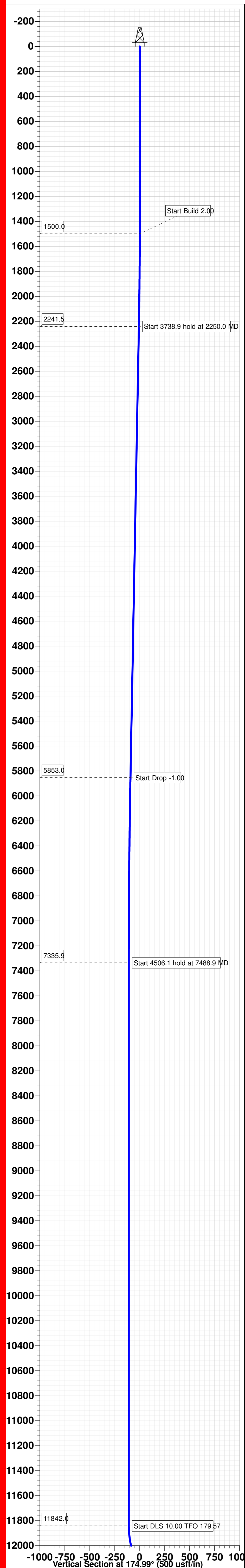
Project: BULLDOG PROSPECT (DBE)
Site: MEAT LOVER FED COM PROJECT
Well: MEAT LOVER FED COM #605H
Wellbore: OWB
Design: PWP2
GL: 3718.1
*KB=30' @ 3748.1usft (TBD)

WELL DETAILS: MEAT LOVER FED COM #605H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	477664.90	721972.10	32° 18' 40.219 N	103° 36' 53.471 W

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (MEAT LOVER FED COM #605H)	12415.0	176.5	1242.2	477841.40	723214.30	32° 18' 41.883 N	103° 36' 38.984 W
LTP (MEAT LOVER FED COM #605H)	12415.0	-15465.0	1360.3	462199.90	723332.40	32° 16' 7.095 N	103° 36' 38.835 W
PBHL (MEAT LOVER FED COM #605H)	12415.0	-15515.0	1360.7	462149.90	723332.80	32° 16' 6.600 N	103° 36' 38.835 W



ConocoPhillips - Meat Lover Fed Com 605H

1. Geologic Formations

TVD of target	12,415' EOL	Pilot hole depth	NA
MD at TD:	28,056'	Deepest expected fresh water:	345'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	1284	Water	
Top of Salt	1772	Salt	
Base of Salt	4761	Salt	
Lamar	5050	Salt Water	
Bell Canyon	5115	Salt Water	
Cherry Canyon	5919	Oil/Gas	
Brushy Canyon	7325	Oil/Gas	
Bone Spring Lime	8875	Oil/Gas	
1st Bone Spring Sand	10124	Oil/Gas	
2nd Bone Spring Sand	10766	Oil/Gas	
3rd Bone Spring Sand	11991	Oil/Gas	
Wolfcamp A	12536	Target	
Wolfcamp B	0	Not Penetrated	
Wolfcamp D	0	Not Penetrated	

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn.	SF Collapse	SF Burst	SF Body	SF Joint
	From	To								
14.75"	0	1350	10.75"	45.5	J55	BTC	3.38	1.14	11.64	12.96
9.875"	0	8500	7.625"	29.7	HCL80	BTC	1.56	1.07	2.88	2.90
8.750"	8500	11800	7.625"	29.7	P110 RY	W 513	1.33	1.43	2.68	1.61
6.75"	0	11300	5.5"	23	P110	BTC	1.98	2.34	2.80	2.79
6.75"	11300	28,056	5.5"	23	P110	W441	1.80	2.13	2.55	2.32
BLM Minimum Safety Factor							1.125	1	1.6 Dry 1.8 Wet	1.6 Dry 1.8 Wet

Intermediate casing will be kept at least 1/3 full while running casing to mitigate collapse. Surface burst based on 0.7 frac gradient at the shoe with Gas Gradient 0.1 psi/ft to surface and

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

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

ConocoPhillips - Meat Lover Fed Com 605H

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

ConocoPhillips - Meat Lover Fed Com 605H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	644	13.5	1.75	9	12	Lead: Class C + 4% Gel + 1% CaCl ₂
	250	14.8	1.34	6.34	8	Tail: Class C + 2% CaCl ₂
Inter. Stage 1	840	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	524	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1580	14.4	1.24	5.7	19	Tail: 50:50:2 Class H Blend

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

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

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

Casing String	TOC	% Excess
Surface	0'	50%
1 st Intermediate	0'	50%
Production	11,300'	35% OH in Lateral (KOP to EOL)

ConocoPhillips - Meat Lover Fed Com 605H

4. Pressure Control Equipment

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

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

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

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

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

ConocoPhillips - Meat Lover Fed Com 605H

5. Mud Program

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

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

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

6. Logging and Testing Procedures

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

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

ConocoPhillips - Meat Lover Fed Com 605H**7. Drilling Conditions**

Condition	Specify what type and where?
BH Pressure at deepest TVD	8070 psi at 12415' TVD
Abnormal Temperature	NO 180 Deg. F.

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

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

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

N H₂S is present

Y H₂S Plan attached

8. Other Facets of Operation

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

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

DELAWARE BASIN EAST

**BULLDOG PROSPECT (DBE)
MEAT LOVER FED COM PROJECT
MEAT LOVER FED COM #605H**

**OWB
PWP2**

Anticollision Report

23 October, 2023

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Reference	PWP2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	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	10/23/2023		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	1,500.0	PWP2 (OWB)	r.5 SDI_KPR_WL_NS-CT	SDI Keeper Wireline Gyrocomp-Initilzd Cont. rev.5	
1,500.0	11,995.1	PWP2 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	
11,995.1	28,056.4	PWP2 (OWB)	r.5 MWD+IFR1+MS	OWSG MWD + IFR1 + Multi-Station Correction rev.5	

Summary						
Site Name	Reference	Offset	Distance		Separation	Warning
	Measured	Measured	Between	Between		
Offset Well - Wellbore - Design	Depth	Depth	Centres	Ellipses	Factor	
(usft) (usft) (usft) (usft)						
MEAT LOVER FED COM PROJECT						
JAGUAR `18` STATE #3H - OWB - AWP	9,937.1	14,158.0	427.9	336.7	4.693	CC, ES, SF
MEAT LOVER FED COM #606H - OWB - PWP2	1,500.0	1,499.8	30.0	20.7	3.225	CC, ES, SF
MEAT LOVER FED COM #607H - OWB - PWP2	1,500.0	1,499.4	60.0	50.7	6.449	CC, ES
MEAT LOVER FED COM #607H - OWB - PWP2	28,056.4	27,954.5	751.3	508.1	3.089	SF
MEAT LOVER FED COM #608H - OWB - PWP2	1,500.0	1,499.3	89.9	80.6	9.663	CC, ES
MEAT LOVER FED COM #608H - OWB - PWP2	1,600.0	1,596.2	93.2	83.6	9.647	SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	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
MEAT LOVER FED COM PROJECT						
JAGUAR '18' STATE #3H - OWB - AWP	28,056.4	9,350.0				Out of Range @TD
MEAT LOVER FED COM #606H - OWB - PWP2	28,056.4	27,931.2				Out of Range @TD
MEAT LOVER FED COM #607H - OWB - PWP2	28,056.4	27,954.5	751.3	508.1	3.089	SF
MEAT LOVER FED COM #608H - OWB - PWP2	28,056.4	28,032.5				Out of Range @TD

Offset Design: MEAT LOVER FED COM PROJECT - JAGUAR `18` STATE #3H - OWB - AWP													Offset Site Error:	0.0 usft	
Survey Program:		5112-r.5 MWD				Rule Assigned:								Offset Well Error:	3.0 usft
Reference	Offset	Reference	Offset	Semi Major Axis			Offset Wellbore Centre		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			
9,100.0	8,947.0	14,158.0	9,775.0	29.9	77.2	130.99	-61.8	1,564.4	940.2	871.3	68.84	13.657			
9,200.0	9,047.0	14,158.0	9,775.0	29.9	77.2	130.99	-61.8	1,564.4	852.3	782.0	70.38	12.110			
9,300.0	9,147.0	14,158.0	9,775.0	29.9	77.2	130.99	-61.8	1,564.4	767.5	695.2	72.31	10.615			
9,400.0	9,247.0	14,158.0	9,775.0	30.0	77.2	130.99	-61.8	1,564.4	686.7	612.0	74.72	9.191			
9,500.0	9,347.0	14,158.0	9,775.0	30.0	77.2	130.99	-61.8	1,564.4	611.7	534.0	77.73	7.870			
9,600.0	9,447.0	14,158.0	9,775.0	30.0	77.2	130.99	-61.8	1,564.4	544.8	463.4	81.32	6.699			
9,700.0	9,547.0	14,158.0	9,775.0	30.1	77.2	130.99	-61.8	1,564.4	489.2	404.0	85.27	5.737			
9,800.0	9,647.0	14,158.0	9,775.0	30.1	77.2	130.99	-61.8	1,564.4	449.3	360.5	88.87	5.056			
9,900.0	9,747.0	14,158.0	9,775.0	30.1	77.2	130.99	-61.8	1,564.4	429.5	338.5	90.99	4.721			
9,937.1	9,784.1	14,158.0	9,775.0	30.1	77.2	130.99	-61.8	1,564.4	427.9	336.7	91.18	4.693	CC, ES, SF		
10,000.0	9,847.0	14,158.0	9,775.0	30.2	77.2	130.99	-61.8	1,564.4	432.5	341.8	90.71	4.768			
10,100.0	9,947.0	14,158.0	9,775.0	30.2	77.2	130.99	-61.8	1,564.4	457.8	369.6	88.23	5.189			
10,200.0	10,047.0	14,158.0	9,775.0	30.2	77.2	130.99	-61.8	1,564.4	502.2	417.6	84.63	5.934			
10,300.0	10,147.0	14,158.0	9,775.0	30.3	77.2	130.99	-61.8	1,564.4	561.0	480.1	80.99	6.928			
10,400.0	10,247.0	14,158.0	9,775.0	30.3	77.2	130.99	-61.8	1,564.4	630.4	552.5	77.84	8.098			
10,500.0	10,347.0	14,158.0	9,775.0	30.3	77.2	130.99	-61.8	1,564.4	707.0	631.7	75.34	9.385			
10,600.0	10,447.0	14,158.0	9,775.0	30.4	77.2	130.99	-61.8	1,564.4	789.0	715.6	73.42	10.746			
10,700.0	10,547.0	14,158.0	9,775.0	30.4	77.2	130.99	-61.8	1,564.4	874.7	802.7	71.98	12.151			
10,800.0	10,647.0	14,158.0	9,775.0	30.4	77.2	130.99	-61.8	1,564.4	963.1	892.2	70.91	13.582			

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #606H - OWB - PWP2													Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11863-r.5 MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:											
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-90.38	-0.2	-30.0	30.0					
100.0	100.0	99.8	99.8	3.0	3.0	-90.38	-0.2	-30.0	30.0	23.5	6.52	4.601		
200.0	200.0	199.8	199.8	3.2	3.2	-90.38	-0.2	-30.0	30.0	23.2	6.76	4.438		
300.0	300.0	299.8	299.8	3.3	3.3	-90.38	-0.2	-30.0	30.0	23.0	6.99	4.291		
400.0	400.0	399.8	399.8	3.4	3.4	-90.38	-0.2	-30.0	30.0	22.8	7.21	4.158		
500.0	500.0	499.8	499.8	3.5	3.5	-90.38	-0.2	-30.0	30.0	22.6	7.43	4.037		
600.0	600.0	599.8	599.8	3.7	3.7	-90.38	-0.2	-30.0	30.0	22.4	7.64	3.927		
700.0	700.0	699.8	699.8	3.8	3.8	-90.38	-0.2	-30.0	30.0	22.2	7.84	3.825		
800.0	800.0	799.8	799.8	3.9	3.9	-90.38	-0.2	-30.0	30.0	22.0	8.04	3.731		
900.0	900.0	899.8	899.8	4.0	4.0	-90.38	-0.2	-30.0	30.0	21.8	8.23	3.643		
1,000.0	1,000.0	999.8	999.8	4.2	4.2	-90.38	-0.2	-30.0	30.0	21.6	8.42	3.562		
1,100.0	1,100.0	1,099.8	1,099.8	4.3	4.3	-90.38	-0.2	-30.0	30.0	21.4	8.61	3.486		
1,200.0	1,200.0	1,199.8	1,199.8	4.4	4.4	-90.38	-0.2	-30.0	30.0	21.2	8.79	3.414		
1,300.0	1,300.0	1,299.8	1,299.8	4.5	4.5	-90.38	-0.2	-30.0	30.0	21.0	8.96	3.347		
1,400.0	1,400.0	1,399.8	1,399.8	4.6	4.6	-90.38	-0.2	-30.0	30.0	20.9	9.13	3.284		
1,500.0	1,500.0	1,499.8	1,499.8	4.8	4.8	-90.38	-0.2	-30.0	30.0	20.7	9.30	3.225 CC, ES, SF		
1,600.0	1,600.0	1,598.9	1,598.9	4.9	4.9	-168.87	0.9	-31.3	33.0	23.4	9.63	3.427		
1,700.0	1,699.8	1,697.5	1,697.3	5.0	5.1	-165.63	4.4	-35.1	42.1	32.0	10.13	4.158		
1,800.0	1,799.5	1,794.9	1,794.4	5.3	5.4	-162.50	9.9	-41.3	57.4	46.7	10.64	5.392		
1,900.0	1,898.7	1,890.7	1,889.5	5.6	5.7	-160.13	17.6	-49.8	78.8	67.6	11.17	7.052		
2,000.0	1,997.5	1,986.9	1,984.8	5.9	5.9	-158.78	26.5	-59.7	105.1	93.4	11.69	8.989		
2,100.0	2,095.6	2,082.5	2,079.4	6.2	6.1	-158.44	35.4	-69.6	134.5	122.3	12.22	11.003		
2,200.0	2,193.1	2,177.0	2,173.0	6.6	6.4	-158.57	44.3	-79.4	167.0	154.2	12.78	13.066		
2,250.0	2,241.5	2,223.9	2,219.4	6.7	6.5	-158.73	48.6	-84.2	184.4	171.4	13.02	14.166		
2,300.0	2,289.8	2,270.6	2,265.7	6.9	6.6	-159.03	53.0	-89.1	202.2	188.9	13.25	15.256		
2,400.0	2,386.4	2,364.1	2,358.2	7.2	6.9	-159.49	61.7	-98.7	237.8	224.0	13.80	17.232		
2,500.0	2,482.9	2,457.5	2,450.8	7.5	7.2	-159.82	70.4	-108.4	273.4	259.0	14.37	19.026		
2,600.0	2,579.5	2,550.9	2,543.3	7.9	7.5	-160.08	79.1	-118.0	309.0	294.1	14.96	20.654		
2,700.0	2,676.1	2,644.4	2,635.8	8.3	7.8	-160.29	87.8	-127.7	344.6	329.1	15.57	22.130		
2,800.0	2,772.7	2,737.8	2,728.3	8.7	8.2	-160.46	96.5	-137.4	380.3	364.1	16.20	23.471		
2,900.0	2,869.3	2,831.2	2,820.9	9.1	8.5	-160.59	105.2	-147.0	415.9	399.0	16.84	24.690		
3,000.0	2,965.9	2,924.7	2,913.4	9.5	8.8	-160.71	113.9	-156.7	451.5	434.0	17.50	25.799		
3,100.0	3,062.5	3,018.1	3,005.9	9.9	9.2	-160.81	122.6	-166.4	487.1	469.0	18.17	26.811		
3,200.0	3,159.1	3,111.5	3,098.4	10.4	9.5	-160.90	131.3	-176.0	522.8	503.9	18.85	27.735		
3,300.0	3,255.7	3,205.0	3,191.0	10.8	9.9	-160.97	140.0	-185.7	558.4	538.9	19.54	28.581		
3,400.0	3,352.3	3,298.4	3,283.5	11.2	10.2	-161.04	148.7	-195.3	594.0	573.8	20.23	29.357		
3,500.0	3,448.9	3,391.8	3,376.0	11.7	10.6	-161.10	157.4	-205.0	629.7	608.7	20.94	30.071		
3,600.0	3,545.5	3,485.3	3,468.5	12.1	10.9	-161.15	166.1	-214.7	665.3	643.6	21.65	30.728		
3,700.0	3,642.1	3,578.7	3,561.1	12.6	11.3	-161.20	174.8	-224.3	700.9	678.6	22.37	31.335		
3,800.0	3,738.6	3,676.8	3,658.2	13.0	11.7	-161.25	183.8	-234.4	736.4	713.3	23.10	31.880		
3,900.0	3,835.2	3,782.2	3,762.8	13.5	12.1	-161.37	192.4	-244.0	770.8	746.9	23.90	32.243		
4,000.0	3,931.8	3,888.7	3,868.7	13.9	12.5	-161.57	199.9	-252.2	803.7	778.9	24.71	32.519		
4,100.0	4,028.4	3,996.2	3,975.9	14.4	12.8	-161.83	206.0	-259.0	835.1	809.6	25.52	32.727		
4,200.0	4,125.0	4,104.7	4,084.2	14.9	13.2	-162.15	210.9	-264.4	865.1	838.8	26.31	32.879		
4,300.0	4,221.6	4,214.2	4,193.5	15.3	13.6	-162.53	214.4	-268.3	893.6	866.5	27.09	32.985		
4,400.0	4,318.2	4,324.6	4,303.8	15.8	13.9	-162.97	216.5	-270.6	920.7	892.8	27.85	33.060		
4,500.0	4,414.8	4,435.7	4,414.9	16.3	14.1	-163.46	217.2	-271.4	946.2	917.7	28.54	33.155		
4,600.0	4,511.4	4,531.9	4,511.2	16.8	14.2	-163.89	217.2	-271.4	971.1	942.1	29.08	33.398		
4,700.0	4,608.0	4,628.5	4,607.8	17.2	14.2	-164.30	217.2	-271.4	996.1	966.5	29.64	33.607		

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	-90.38	-0.4	-60.0	60.0				
100.0	100.0	99.4	99.4	3.0	3.0	-90.38	-0.4	-60.0	60.0	53.5	6.52	9.203	
200.0	200.0	199.4	199.4	3.2	3.2	-90.38	-0.4	-60.0	60.0	53.2	6.76	8.877	
300.0	300.0	299.4	299.4	3.3	3.3	-90.38	-0.4	-60.0	60.0	53.0	6.99	8.583	
400.0	400.0	399.4	399.4	3.4	3.4	-90.38	-0.4	-60.0	60.0	52.8	7.21	8.317	
500.0	500.0	499.4	499.4	3.5	3.5	-90.38	-0.4	-60.0	60.0	52.6	7.43	8.075	
600.0	600.0	599.4	599.4	3.7	3.7	-90.38	-0.4	-60.0	60.0	52.4	7.64	7.854	
700.0	700.0	699.4	699.4	3.8	3.8	-90.38	-0.4	-60.0	60.0	52.2	7.84	7.650	
800.0	800.0	799.4	799.4	3.9	3.9	-90.38	-0.4	-60.0	60.0	52.0	8.04	7.462	
900.0	900.0	899.4	899.4	4.0	4.0	-90.38	-0.4	-60.0	60.0	51.8	8.23	7.287	
1,000.0	1,000.0	999.4	999.4	4.2	4.2	-90.38	-0.4	-60.0	60.0	51.6	8.42	7.124	
1,100.0	1,100.0	1,099.4	1,099.4	4.3	4.3	-90.38	-0.4	-60.0	60.0	51.4	8.61	6.972	
1,200.0	1,200.0	1,199.4	1,199.4	4.4	4.4	-90.38	-0.4	-60.0	60.0	51.2	8.79	6.829	
1,300.0	1,300.0	1,299.4	1,299.4	4.5	4.5	-90.38	-0.4	-60.0	60.0	51.0	8.96	6.695	
1,400.0	1,400.0	1,399.4	1,399.4	4.6	4.6	-90.38	-0.4	-60.0	60.0	50.9	9.13	6.569	
1,500.0	1,500.0	1,499.4	1,499.4	4.8	4.8	-90.38	-0.4	-60.0	60.0	50.7	9.30	6.449 CC, ES	
1,600.0	1,600.0	1,599.4	1,599.4	4.9	4.9	-170.65	-0.4	-60.0	61.7	52.1	9.66	6.389	
1,700.0	1,699.8	1,699.2	1,699.2	5.0	5.1	-171.36	-0.4	-60.0	66.9	56.8	10.09	6.629	
1,800.0	1,799.5	1,798.9	1,798.9	5.3	5.2	-172.33	-0.4	-60.0	75.5	65.0	10.53	7.169	
1,900.0	1,898.7	1,898.1	1,898.1	5.6	5.4	-173.37	-0.4	-60.0	87.6	76.6	10.99	7.969	
2,000.0	1,997.5	1,996.9	1,996.9	5.9	5.5	-174.34	-0.4	-60.0	103.2	91.7	11.47	8.992	
2,100.0	2,095.6	2,097.0	2,097.0	6.2	5.6	-175.29	-0.5	-59.2	121.4	109.4	11.97	10.137	
2,200.0	2,193.1	2,197.2	2,197.2	6.6	5.8	-176.25	-0.8	-56.6	141.4	128.9	12.50	11.307	
2,250.0	2,241.5	2,247.3	2,247.2	6.7	5.8	-176.73	-1.1	-54.7	152.0	139.3	12.72	11.953	
2,300.0	2,289.8	2,297.5	2,297.3	6.9	5.9	-177.20	-1.3	-52.3	162.7	149.8	12.94	12.577	
2,400.0	2,386.4	2,398.3	2,398.0	7.2	6.0	-178.09	-2.1	-46.3	182.9	169.4	13.47	13.580	
2,500.0	2,482.9	2,499.9	2,499.2	7.5	6.2	-178.94	-3.1	-38.4	201.4	187.3	14.03	14.350	
2,600.0	2,579.5	2,604.6	2,603.4	7.9	6.4	-179.43	-2.8	-28.0	217.7	203.0	14.67	14.842	
2,700.0	2,676.1	2,710.3	2,708.2	8.3	6.6	-179.28	0.3	-14.9	231.1	215.7	15.35	15.049	
2,800.0	2,772.7	2,816.2	2,812.8	8.7	7.0	-178.57	6.3	0.9	241.6	225.5	16.10	15.004	
2,900.0	2,869.3	2,915.7	2,910.8	9.1	7.3	-177.73	13.0	16.8	250.8	234.0	16.79	14.936	
3,000.0	2,965.9	3,015.2	3,008.8	9.5	7.6	-176.95	19.8	32.7	260.1	242.6	17.52	14.849	
3,100.0	3,062.5	3,114.7	3,106.8	9.9	7.9	-176.22	26.5	48.6	269.5	251.3	18.26	14.758	
3,200.0	3,159.1	3,214.2	3,204.7	10.4	8.2	-175.55	33.3	64.5	278.9	259.9	19.02	14.665	
3,300.0	3,255.7	3,313.7	3,302.7	10.8	8.5	-174.91	40.0	80.4	288.4	268.6	19.79	14.571	
3,400.0	3,352.3	3,413.2	3,400.7	11.2	8.9	-174.32	46.8	96.3	297.8	277.3	20.57	14.478	
3,500.0	3,448.9	3,512.7	3,498.7	11.7	9.2	-173.77	53.5	112.2	307.3	286.0	21.36	14.388	
3,600.0	3,545.5	3,612.2	3,596.7	12.1	9.6	-173.24	60.3	128.1	316.9	294.7	22.16	14.300	
3,700.0	3,642.1	3,711.7	3,694.7	12.6	10.0	-172.75	67.0	144.0	326.4	303.5	22.96	14.215	
3,800.0	3,738.6	3,811.2	3,792.7	13.0	10.3	-172.29	73.8	159.9	336.0	312.2	23.78	14.133	
3,900.0	3,835.2	3,910.7	3,890.7	13.5	10.7	-171.85	80.5	175.8	345.6	321.0	24.59	14.055	
4,000.0	3,931.8	4,010.2	3,988.7	13.9	11.1	-171.44	87.3	191.7	355.2	329.8	25.41	13.980	
4,100.0	4,028.4	4,109.7	4,086.7	14.4	11.5	-171.04	94.0	207.6	364.9	338.6	26.23	13.908	
4,200.0	4,125.0	4,209.2	4,184.7	14.9	11.9	-170.67	100.8	223.5	374.5	347.5	27.06	13.840	
4,300.0	4,221.6	4,308.7	4,282.7	15.3	12.3	-170.32	107.5	239.4	384.2	356.3	27.89	13.775	
4,400.0	4,318.2	4,408.2	4,380.7	15.8	12.7	-169.98	114.3	255.3	393.9	365.2	28.72	13.713	
4,500.0	4,414.8	4,507.7	4,478.7	16.3	13.1	-169.66	121.0	271.2	403.6	374.0	29.56	13.654	
4,600.0	4,511.4	4,607.2	4,576.6	16.8	13.5	-169.36	127.8	287.2	413.3	382.9	30.39	13.598	
4,700.0	4,608.0	4,706.7	4,674.6	17.2	14.0	-169.06	134.5	303.1	423.0	391.8	31.23	13.544	
4,800.0	4,704.6	4,806.2	4,772.6	17.7	14.4	-168.79	141.3	319.0	432.7	400.7	32.07	13.493	
4,900.0	4,801.2	4,905.7	4,870.6	18.2	14.8	-168.52	148.0	334.9	442.5	409.5	32.91	13.444	

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Minimum	Separation	Warning			
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation	Factor
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor	
(usft)	(usft)	(usft)	(usft)						(usft)	(usft)	(usft)		
5,000.0	4,897.8	5,005.2	4,968.6	18.7	15.2	-168.27	154.8	350.8	452.2	418.5	33.75	13.398	
5,100.0	4,994.4	5,104.8	5,066.6	19.1	15.6	-168.02	161.5	366.7	462.0	427.4	34.60	13.353	
5,200.0	5,090.9	5,204.3	5,164.6	19.6	16.1	-167.79	168.3	382.6	471.7	436.3	35.44	13.311	
5,300.0	5,187.5	5,303.8	5,262.6	20.1	16.5	-167.57	175.0	398.5	481.5	445.2	36.28	13.270	
5,400.0	5,284.1	5,403.3	5,360.6	20.6	16.9	-167.35	181.8	414.4	491.3	454.1	37.13	13.232	
5,500.0	5,380.7	5,497.4	5,453.3	21.1	17.3	-167.17	188.0	429.1	501.5	463.5	37.93	13.222	
5,600.0	5,477.3	5,589.4	5,544.2	21.5	17.7	-167.08	193.6	442.1	513.0	474.3	38.72	13.248	
5,700.0	5,573.9	5,681.0	5,635.0	22.0	18.1	-167.06	198.5	453.8	526.0	486.5	39.52	13.312	
5,800.0	5,670.5	5,772.3	5,725.6	22.5	18.4	-167.11	202.9	464.0	540.5	500.2	40.30	13.410	
5,900.0	5,767.1	5,863.2	5,816.0	23.0	18.8	-167.22	206.6	472.9	556.3	515.2	41.08	13.542	
5,988.9	5,853.0	5,943.7	5,896.1	23.4	19.1	-167.36	209.5	479.7	571.6	529.9	41.76	13.688	
6,000.0	5,863.7	5,953.6	5,906.0	23.5	19.1	-167.39	209.9	480.5	573.6	531.7	41.84	13.709	
6,100.0	5,960.5	6,043.8	5,995.9	24.0	19.5	-167.63	212.5	486.7	591.2	548.6	42.60	13.877	
6,200.0	6,057.8	6,133.7	6,085.7	24.5	19.8	-167.87	214.6	491.6	608.6	565.3	43.32	14.048	
6,300.0	6,155.5	6,223.4	6,175.3	24.9	20.1	-168.13	216.1	495.2	625.7	581.7	44.01	14.217	
6,400.0	6,253.5	6,312.9	6,264.8	25.4	20.3	-168.40	217.1	497.6	642.6	597.9	44.66	14.387	
6,500.0	6,351.9	6,402.2	6,354.1	25.8	20.5	-168.68	217.5	498.6	659.1	613.9	45.26	14.563	
6,600.0	6,450.5	6,498.1	6,449.9	26.3	20.6	-168.97	217.6	498.6	675.1	629.3	45.79	14.743	
6,700.0	6,549.5	6,597.0	6,548.9	26.7	20.6	-169.23	217.6	498.6	689.4	643.1	46.33	14.879	
6,800.0	6,648.6	6,696.2	6,648.0	27.1	20.7	-169.45	217.6	498.6	702.0	655.2	46.86	14.980	
6,900.0	6,748.0	6,795.6	6,747.4	27.5	20.7	-169.63	217.6	498.6	713.0	665.6	47.38	15.050	
7,000.0	6,847.6	6,895.1	6,847.0	27.9	20.7	-169.78	217.6	498.6	722.2	674.4	47.87	15.088	
7,100.0	6,947.3	6,994.8	6,946.7	28.3	20.8	-169.90	217.6	498.6	729.8	681.4	48.34	15.097	
7,200.0	7,047.1	7,094.6	7,046.5	28.7	20.8	-169.99	217.6	498.6	735.6	686.8	48.78	15.079	
7,300.0	7,147.0	7,194.6	7,146.4	29.0	20.9	-170.06	217.6	498.6	739.7	690.5	49.19	15.037	
7,400.0	7,247.0	7,294.5	7,246.4	29.3	20.9	-170.09	217.6	498.6	742.1	692.5	49.55	14.975	
7,488.9	7,335.9	7,383.5	7,335.3	29.4	21.0	-90.10	217.6	498.6	742.8	693.0	49.73	14.936	
7,500.0	7,347.0	7,394.5	7,346.4	29.4	21.0	-90.10	217.6	498.6	742.8	693.0	49.73	14.935	
7,600.0	7,447.0	7,494.5	7,446.4	29.4	21.0	-90.10	217.6	498.6	742.8	692.9	49.82	14.909	
7,700.0	7,547.0	7,594.5	7,546.4	29.5	21.1	-90.10	217.6	498.6	742.8	692.9	49.89	14.889	
7,800.0	7,647.0	7,694.5	7,646.4	29.5	21.1	-90.10	217.6	498.6	742.8	692.8	49.95	14.869	
7,900.0	7,747.0	7,794.5	7,746.4	29.5	21.1	-90.10	217.6	498.6	742.8	692.7	50.02	14.848	
8,000.0	7,847.0	7,894.5	7,846.4	29.6	21.2	-90.10	217.6	498.6	742.8	692.7	50.09	14.828	
8,100.0	7,947.0	7,994.5	7,946.4	29.6	21.2	-90.10	217.6	498.6	742.8	692.6	50.16	14.807	
8,200.0	8,047.0	8,094.5	8,046.4	29.6	21.3	-90.10	217.6	498.6	742.8	692.5	50.23	14.786	
8,300.0	8,147.0	8,194.5	8,146.4	29.6	21.3	-90.10	217.6	498.6	742.8	692.5	50.30	14.766	
8,400.0	8,247.0	8,294.5	8,246.4	29.7	21.4	-90.10	217.6	498.6	742.8	692.4	50.37	14.745	
8,500.0	8,347.0	8,394.5	8,346.4	29.7	21.4	-90.10	217.6	498.6	742.8	692.3	50.45	14.724	
8,600.0	8,447.0	8,494.5	8,446.4	29.7	21.5	-90.10	217.6	498.6	742.8	692.2	50.52	14.703	
8,700.0	8,547.0	8,594.5	8,546.4	29.8	21.5	-90.10	217.6	498.6	742.8	692.2	50.59	14.682	
8,800.0	8,647.0	8,694.5	8,646.4	29.8	21.6	-90.10	217.6	498.6	742.8	692.1	50.66	14.661	
8,900.0	8,747.0	8,794.5	8,746.4	29.8	21.6	-90.10	217.6	498.6	742.8	692.0	50.73	14.640	
9,000.0	8,847.0	8,894.5	8,846.4	29.8	21.6	-90.10	217.6	498.6	742.8	692.0	50.81	14.619	
9,100.0	8,947.0	8,994.5	8,946.4	29.9	21.7	-90.10	217.6	498.6	742.8	691.9	50.88	14.598	
9,200.0	9,047.0	9,094.5	9,046.4	29.9	21.7	-90.10	217.6	498.6	742.8	691.8	50.96	14.576	
9,300.0	9,147.0	9,194.5	9,146.4	29.9	21.8	-90.10	217.6	498.6	742.8	691.7	51.03	14.555	
9,400.0	9,247.0	9,294.5	9,246.4	30.0	21.8	-90.10	217.6	498.6	742.8	691.7	51.11	14.534	
9,500.0	9,347.0	9,394.5	9,346.4	30.0	21.9	-90.10	217.6	498.6	742.8	691.6	51.18	14.512	
9,600.0	9,447.0	9,494.5	9,446.4	30.0	21.9	-90.10	217.6	498.6	742.8	691.5	51.26	14.491	
9,700.0	9,547.0	9,594.5	9,546.4	30.1	22.0	-90.10	217.6	498.6	742.8	691.4	51.33	14.469	
9,800.0	9,647.0	9,694.5	9,646.4	30.1	22.0	-90.10	217.6	498.6	742.8	691.3	51.41	14.448	

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	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)	Centres (usft)	Ellipses (usft)	Separation (usft)		
9,900.0	9,747.0	9,794.5	9,746.4	30.1	22.1	-90.10	217.6	498.6	742.8	691.3	51.49	14.426	
10,000.0	9,847.0	9,894.5	9,846.4	30.2	22.1	-90.10	217.6	498.6	742.8	691.2	51.56	14.404	
10,100.0	9,947.0	9,994.5	9,946.4	30.2	22.2	-90.10	217.6	498.6	742.8	691.1	51.64	14.383	
10,200.0	10,047.0	10,094.5	10,046.4	30.2	22.2	-90.10	217.6	498.6	742.8	691.0	51.72	14.361	
10,300.0	10,147.0	10,194.5	10,146.4	30.3	22.3	-90.10	217.6	498.6	742.8	691.0	51.80	14.339	
10,400.0	10,247.0	10,294.5	10,246.4	30.3	22.3	-90.10	217.6	498.6	742.8	690.9	51.88	14.317	
10,500.0	10,347.0	10,394.5	10,346.4	30.3	22.4	-90.10	217.6	498.6	742.8	690.8	51.96	14.296	
10,600.0	10,447.0	10,494.5	10,446.4	30.4	22.4	-90.10	217.6	498.6	742.8	690.7	52.04	14.274	
10,700.0	10,547.0	10,594.5	10,546.4	30.4	22.5	-90.10	217.6	498.6	742.8	690.6	52.12	14.252	
10,800.0	10,647.0	10,694.5	10,646.4	30.4	22.5	-90.10	217.6	498.6	742.8	690.6	52.20	14.230	
10,900.0	10,747.0	10,794.5	10,746.4	30.5	22.6	-90.10	217.6	498.6	742.8	690.5	52.28	14.208	
11,000.0	10,847.0	10,894.5	10,846.4	30.5	22.6	-90.10	217.6	498.6	742.8	690.4	52.36	14.186	
11,100.0	10,947.0	10,994.5	10,946.4	30.5	22.7	-90.10	217.6	498.6	742.8	690.3	52.44	14.164	
11,200.0	11,047.0	11,094.5	11,046.4	30.6	22.7	-90.10	217.6	498.6	742.8	690.2	52.52	14.142	
11,300.0	11,147.0	11,194.5	11,146.4	30.6	22.8	-90.10	217.6	498.6	742.8	690.2	52.61	14.119	
11,400.0	11,247.0	11,294.5	11,246.4	30.6	22.8	-90.10	217.6	498.6	742.8	690.1	52.69	14.097	
11,500.0	11,347.0	11,394.5	11,346.4	30.7	22.9	-90.10	217.6	498.6	742.8	690.0	52.77	14.075	
11,600.0	11,447.0	11,494.5	11,446.4	30.7	22.9	-90.10	217.6	498.6	742.8	689.9	52.85	14.053	
11,700.0	11,547.0	11,594.5	11,546.4	30.7	23.0	-90.10	217.6	498.6	742.8	689.8	52.94	14.031	
11,800.0	11,647.0	11,694.5	11,646.4	30.8	23.0	-90.10	217.6	498.6	742.8	689.7	53.02	14.008	
11,900.0	11,747.0	11,794.5	11,746.4	30.8	23.1	-90.10	217.6	498.6	742.8	689.7	53.11	13.986	
11,995.1	11,842.0	11,889.6	11,841.4	30.8	23.1	-90.10	217.6	498.6	742.8	689.6	53.18	13.968	
12,000.0	11,847.0	11,894.6	11,846.4	30.8	23.1	90.33	217.5	498.6	742.8	689.6	53.18	13.967	
12,050.0	11,896.9	11,944.9	11,896.7	30.8	23.2	90.33	214.9	498.7	742.8	689.6	53.20	13.960	
12,100.0	11,946.4	11,995.2	11,946.5	30.8	23.2	90.33	207.9	498.7	742.8	689.5	53.22	13.957	
12,150.0	11,995.1	12,045.6	11,995.5	30.9	23.2	90.33	196.6	498.8	742.8	689.5	53.23	13.955	
12,200.0	12,042.6	12,095.9	12,043.4	30.9	23.2	90.33	181.0	498.9	742.8	689.5	53.24	13.953	
12,250.0	12,088.7	12,146.3	12,089.7	30.9	23.2	90.32	161.3	499.0	742.8	689.5	53.25	13.950	
12,300.0	12,132.8	12,196.6	12,134.1	30.9	23.2	90.31	137.6	499.2	742.8	689.5	53.26	13.948	
12,350.0	12,174.7	12,246.9	12,176.2	30.9	23.3	90.30	110.0	499.4	742.8	689.5	53.27	13.945	
12,400.0	12,214.1	12,297.2	12,215.7	30.9	23.3	90.28	79.0	499.6	742.8	689.5	53.28	13.941	
12,450.0	12,250.7	12,347.5	12,252.3	30.9	23.3	90.26	44.5	499.9	742.8	689.5	53.30	13.937	
12,500.0	12,284.1	12,397.8	12,285.8	30.9	23.3	90.25	7.1	500.1	742.9	689.5	53.33	13.931	
12,550.0	12,314.2	12,448.0	12,315.8	31.0	23.4	90.23	-33.2	500.4	742.9	689.5	53.36	13.923	
12,600.0	12,340.7	12,498.2	12,342.2	31.0	23.4	90.20	-75.9	500.7	742.9	689.5	53.40	13.913	
12,650.0	12,363.4	12,548.4	12,364.7	31.0	23.4	90.18	-120.7	501.0	742.9	689.5	53.45	13.901	
12,700.0	12,382.1	12,598.6	12,383.3	31.0	23.5	90.15	-167.4	501.4	743.0	689.5	53.50	13.886	
12,750.0	12,396.7	12,648.7	12,397.6	31.1	23.5	90.13	-215.4	501.7	743.0	689.4	53.57	13.869	
12,800.0	12,407.1	12,698.9	12,407.7	31.1	23.6	90.10	-264.5	502.0	743.0	689.4	53.65	13.850	
12,850.0	12,413.2	12,749.0	12,413.5	31.2	23.6	90.07	-314.2	502.4	743.0	689.3	53.74	13.828	
12,895.1	12,415.0	12,794.1	12,415.0	31.2	23.7	90.05	-359.3	502.7	743.1	689.2	53.82	13.806	
12,900.0	12,415.0	12,799.0	12,415.0	31.2	23.7	90.05	-364.2	502.7	743.1	689.2	53.83	13.803	
13,000.0	12,415.0	12,899.0	12,415.0	31.4	23.9	90.05	-464.2	503.4	743.1	689.0	54.08	13.741	
13,100.0	12,415.0	12,999.0	12,415.0	31.5	24.0	90.05	-564.2	504.1	743.2	688.8	54.37	13.669	
13,200.0	12,415.0	13,099.0	12,415.0	31.7	24.2	90.05	-664.2	504.9	743.2	688.5	54.70	13.588	
13,300.0	12,415.0	13,199.0	12,415.0	31.9	24.4	90.05	-764.2	505.6	743.3	688.2	55.07	13.498	
13,400.0	12,415.0	13,299.0	12,415.0	32.1	24.6	90.05	-864.2	506.3	743.3	687.9	55.48	13.399	
13,500.0	12,415.0	13,399.0	12,415.0	32.3	24.9	90.05	-964.2	507.0	743.4	687.5	55.92	13.293	
13,600.0	12,415.0	13,499.0	12,415.0	32.5	25.2	90.05	-1,064.2	507.7	743.4	687.0	56.41	13.180	
13,700.0	12,415.0	13,599.0	12,415.0	32.7	25.4	90.05	-1,164.2	508.4	743.5	686.6	56.93	13.061	
13,800.0	12,415.0	13,699.0	12,415.0	33.0	25.7	90.05	-1,264.2	509.1	743.6	686.1	57.48	12.936	

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation		
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
13,900.0	12,415.0	13,799.0	12,415.0	33.3	26.1	90.05	-1,364.2	509.8	743.6	685.5	58.07	12.805	
14,000.0	12,415.0	13,899.0	12,415.0	33.6	26.4	90.05	-1,464.2	510.5	743.7	685.0	58.69	12.670	
14,100.0	12,415.0	13,999.0	12,415.0	33.9	26.8	90.05	-1,564.2	511.2	743.7	684.4	59.35	12.531	
14,200.0	12,415.0	14,099.0	12,415.0	34.2	27.1	90.05	-1,664.2	511.9	743.8	683.7	60.04	12.389	
14,300.0	12,415.0	14,199.0	12,415.0	34.5	27.5	90.05	-1,764.2	512.6	743.8	683.1	60.75	12.244	
14,400.0	12,415.0	14,299.0	12,415.0	34.9	27.9	90.05	-1,864.2	513.3	743.9	682.4	61.50	12.096	
14,500.0	12,415.0	14,399.0	12,415.0	35.2	28.3	90.05	-1,964.2	514.0	743.9	681.7	62.27	11.947	
14,600.0	12,415.0	14,499.0	12,415.0	35.6	28.8	90.05	-2,064.2	514.7	744.0	680.9	63.07	11.796	
14,700.0	12,415.0	14,599.0	12,415.0	36.0	29.2	90.05	-2,164.2	515.4	744.0	680.1	63.90	11.645	
14,800.0	12,415.0	14,699.0	12,415.0	36.3	29.7	90.05	-2,264.2	516.1	744.1	679.4	64.75	11.492	
14,900.0	12,415.0	14,799.0	12,415.0	36.7	30.2	90.05	-2,364.2	516.8	744.2	678.5	65.62	11.340	
15,000.0	12,415.0	14,899.0	12,415.0	37.2	30.6	90.05	-2,464.2	517.5	744.2	677.7	66.52	11.188	
15,100.0	12,415.0	14,999.0	12,415.0	37.6	31.1	90.05	-2,564.2	518.2	744.3	676.8	67.44	11.036	
15,200.0	12,415.0	15,099.0	12,415.0	38.0	31.6	90.05	-2,664.2	518.9	744.3	675.9	68.38	10.885	
15,300.0	12,415.0	15,199.0	12,415.0	38.5	32.2	90.05	-2,764.2	519.6	744.4	675.0	69.34	10.735	
15,400.0	12,415.0	15,299.0	12,415.0	38.9	32.7	90.05	-2,864.2	520.3	744.4	674.1	70.32	10.586	
15,500.0	12,415.0	15,399.0	12,415.0	39.4	33.2	90.05	-2,964.2	521.0	744.5	673.2	71.32	10.438	
15,600.0	12,415.0	15,499.0	12,415.0	39.8	33.8	90.05	-3,064.2	521.7	744.5	672.2	72.34	10.292	
15,700.0	12,415.0	15,599.0	12,415.0	40.3	34.3	90.05	-3,164.2	522.4	744.6	671.2	73.37	10.148	
15,800.0	12,415.0	15,699.0	12,415.0	40.8	34.9	90.05	-3,264.1	523.1	744.6	670.2	74.43	10.005	
15,900.0	12,415.0	15,799.0	12,415.0	41.3	35.5	90.05	-3,364.1	523.9	744.7	669.2	75.49	9.865	
16,000.0	12,415.0	15,899.0	12,415.0	41.8	36.0	90.05	-3,464.1	524.6	744.8	668.2	76.57	9.726	
16,100.0	12,415.0	15,999.0	12,415.0	42.3	36.6	90.05	-3,564.1	525.3	744.8	667.1	77.67	9.589	
16,200.0	12,415.0	16,099.0	12,415.0	42.8	37.2	90.05	-3,664.1	526.0	744.9	666.1	78.78	9.455	
16,300.0	12,415.0	16,199.0	12,415.0	43.4	37.8	90.05	-3,764.1	526.7	744.9	665.0	79.90	9.323	
16,400.0	12,415.0	16,299.0	12,415.0	43.9	38.4	90.05	-3,864.1	527.4	745.0	663.9	81.04	9.193	
16,500.0	12,415.0	16,399.0	12,415.0	44.5	39.0	90.05	-3,964.1	528.1	745.0	662.8	82.19	9.065	
16,600.0	12,415.0	16,499.0	12,415.0	45.0	39.7	90.05	-4,064.1	528.8	745.1	661.7	83.35	8.940	
16,700.0	12,415.0	16,599.0	12,415.0	45.6	40.3	90.05	-4,164.1	529.5	745.1	660.6	84.52	8.816	
16,800.0	12,415.0	16,699.0	12,415.0	46.1	40.9	90.05	-4,264.1	530.2	745.2	659.5	85.70	8.696	
16,900.0	12,415.0	16,799.0	12,415.0	46.7	41.5	90.05	-4,364.1	530.9	745.2	658.4	86.89	8.577	
17,000.0	12,415.0	16,899.0	12,415.0	47.2	42.2	90.05	-4,464.1	531.6	745.3	657.2	88.09	8.461	
17,100.0	12,415.0	16,999.0	12,415.0	47.8	42.8	90.05	-4,564.1	532.3	745.3	656.0	89.30	8.346	
17,200.0	12,415.0	17,099.0	12,415.0	48.4	43.5	90.05	-4,664.1	533.0	745.4	654.9	90.52	8.235	
17,300.0	12,415.0	17,199.0	12,415.0	49.0	44.1	90.05	-4,764.1	533.7	745.5	653.7	91.75	8.125	
17,400.0	12,415.0	17,299.0	12,415.0	49.6	44.8	90.05	-4,864.1	534.4	745.5	652.5	92.99	8.017	
17,500.0	12,415.0	17,399.0	12,415.0	50.2	45.4	90.05	-4,964.1	535.1	745.6	651.3	94.23	7.912	
17,600.0	12,415.0	17,499.0	12,415.0	50.8	46.1	90.05	-5,064.1	535.8	745.6	650.1	95.48	7.809	
17,700.0	12,415.0	17,599.0	12,415.0	51.4	46.8	90.05	-5,164.1	536.5	745.7	648.9	96.74	7.708	
17,800.0	12,415.0	17,699.0	12,415.0	52.0	47.4	90.05	-5,264.1	537.2	745.7	647.7	98.01	7.609	
17,900.0	12,415.0	17,799.0	12,415.0	52.6	48.1	90.05	-5,364.1	537.9	745.8	646.5	99.29	7.512	
18,000.0	12,415.0	17,899.0	12,415.0	53.2	48.8	90.05	-5,464.1	538.6	745.8	645.3	100.57	7.416	
18,100.0	12,415.0	17,999.0	12,415.0	53.8	49.4	90.05	-5,564.1	539.3	745.9	644.0	101.85	7.323	
18,200.0	12,415.0	18,099.0	12,415.0	54.5	50.1	90.05	-5,664.1	540.0	745.9	642.8	103.15	7.232	
18,300.0	12,415.0	18,199.0	12,415.0	55.1	50.8	90.05	-5,764.1	540.7	746.0	641.6	104.45	7.143	
18,400.0	12,415.0	18,299.0	12,415.0	55.7	51.5	90.05	-5,864.1	541.4	746.1	640.3	105.75	7.055	
18,500.0	12,415.0	18,399.0	12,415.0	56.4	52.2	90.05	-5,964.1	542.2	746.1	639.1	107.06	6.969	
18,600.0	12,415.0	18,499.0	12,415.0	57.0	52.9	90.05	-6,064.1	542.9	746.2	637.8	108.38	6.885	
18,700.0	12,415.0	18,599.0	12,415.0	57.6	53.5	90.05	-6,164.1	543.6	746.2	636.5	109.70	6.803	
18,800.0	12,415.0	18,699.0	12,415.0	58.3	54.2	90.05	-6,264.1	544.3	746.3	635.3	111.02	6.722	
18,900.0	12,415.0	18,799.0	12,415.0	58.9	54.9	90.05	-6,364.1	545.0	746.3	634.0	112.35	6.643	

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	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)	Centres (usft)	Ellipses (usft)		
19,000.0	12,415.0	18,899.0	12,415.0	59.6	55.6	90.05	-6,464.1	545.7	746.4	632.7	113.68	6.565
19,100.0	12,415.0	18,999.0	12,415.0	60.2	56.3	90.05	-6,564.1	546.4	746.4	631.4	115.02	6.489
19,200.0	12,415.0	19,099.0	12,415.0	60.9	57.0	90.05	-6,664.1	547.1	746.5	630.1	116.37	6.415
19,300.0	12,415.0	19,199.0	12,415.0	61.5	57.7	90.05	-6,764.1	547.8	746.5	628.8	117.71	6.342
19,400.0	12,415.0	19,299.0	12,415.0	62.2	58.4	90.05	-6,864.1	548.5	746.6	627.5	119.06	6.271
19,500.0	12,415.0	19,399.0	12,415.0	62.9	59.1	90.05	-6,964.1	549.2	746.7	626.2	120.42	6.200
19,600.0	12,415.0	19,499.0	12,415.0	63.5	59.8	90.05	-7,064.1	549.9	746.7	624.9	121.78	6.132
19,700.0	12,415.0	19,599.0	12,415.0	64.2	60.5	90.05	-7,164.1	550.6	746.8	623.6	123.14	6.064
19,800.0	12,415.0	19,699.0	12,415.0	64.9	61.3	90.05	-7,264.0	551.3	746.8	622.3	124.51	5.998
19,900.0	12,415.0	19,799.0	12,415.0	65.5	62.0	90.05	-7,364.0	552.0	746.9	621.0	125.87	5.933
20,000.0	12,415.0	19,899.0	12,415.0	66.2	62.7	90.05	-7,464.0	552.7	746.9	619.7	127.25	5.870
20,100.0	12,415.0	19,999.0	12,415.0	66.9	63.4	90.05	-7,564.0	553.4	747.0	618.4	128.62	5.808
20,200.0	12,415.0	20,099.0	12,415.0	67.6	64.1	90.05	-7,664.0	554.1	747.0	617.0	130.00	5.746
20,300.0	12,415.0	20,199.0	12,415.0	68.2	64.8	90.05	-7,764.0	554.8	747.1	615.7	131.38	5.686
20,400.0	12,415.0	20,299.0	12,415.0	68.9	65.5	90.05	-7,864.0	555.5	747.1	614.4	132.77	5.628
20,500.0	12,415.0	20,399.0	12,415.0	69.6	66.3	90.05	-7,964.0	556.2	747.2	613.0	134.15	5.570
20,600.0	12,415.0	20,499.0	12,415.0	70.3	67.0	90.05	-8,064.0	556.9	747.3	611.7	135.54	5.513
20,700.0	12,415.0	20,599.0	12,415.0	71.0	67.7	90.05	-8,164.0	557.6	747.3	610.4	136.93	5.457
20,800.0	12,415.0	20,699.0	12,415.0	71.7	68.4	90.05	-8,264.0	558.3	747.4	609.0	138.33	5.403
20,900.0	12,415.0	20,799.0	12,415.0	72.4	69.1	90.05	-8,364.0	559.0	747.4	607.7	139.72	5.349
21,000.0	12,415.0	20,899.0	12,415.0	73.0	69.9	90.05	-8,464.0	559.7	747.5	606.3	141.12	5.297
21,100.0	12,415.0	20,999.0	12,415.0	73.7	70.6	90.05	-8,564.0	560.4	747.5	605.0	142.53	5.245
21,200.0	12,415.0	21,099.0	12,415.0	74.4	71.3	90.05	-8,664.0	561.2	747.6	603.7	143.93	5.194
21,300.0	12,415.0	21,199.0	12,415.0	75.1	72.0	90.05	-8,764.0	561.9	747.6	602.3	145.33	5.144
21,400.0	12,415.0	21,299.0	12,415.0	75.8	72.8	90.05	-8,864.0	562.6	747.7	600.9	146.74	5.095
21,500.0	12,415.0	21,399.0	12,415.0	76.5	73.5	90.05	-8,964.0	563.3	747.7	599.6	148.15	5.047
21,600.0	12,415.0	21,499.0	12,415.0	77.2	74.2	90.05	-9,064.0	564.0	747.8	598.2	149.56	5.000
21,700.0	12,415.0	21,599.0	12,415.0	77.9	74.9	90.05	-9,164.0	564.7	747.9	596.9	150.98	4.953
21,800.0	12,415.0	21,699.0	12,415.0	78.6	75.7	90.05	-9,264.0	565.4	747.9	595.5	152.39	4.908
21,900.0	12,415.0	21,799.0	12,415.0	79.3	76.4	90.05	-9,364.0	566.1	748.0	594.2	153.81	4.863
22,000.0	12,415.0	21,899.0	12,415.0	80.0	77.1	90.05	-9,464.0	566.8	748.0	592.8	155.23	4.819
22,100.0	12,415.0	21,999.0	12,415.0	80.7	77.9	90.05	-9,564.0	567.5	748.1	591.4	156.65	4.775
22,200.0	12,415.0	22,099.0	12,415.0	81.4	78.6	90.05	-9,664.0	568.2	748.1	590.1	158.07	4.733
22,300.0	12,415.0	22,199.0	12,415.0	82.1	79.3	90.05	-9,764.0	568.9	748.2	588.7	159.50	4.691
22,400.0	12,415.0	22,299.0	12,415.0	82.9	80.1	90.05	-9,864.0	569.6	748.2	587.3	160.92	4.650
22,500.0	12,415.0	22,399.0	12,415.0	83.6	80.8	90.05	-9,964.0	570.3	748.3	585.9	162.35	4.609
22,600.0	12,415.0	22,499.0	12,415.0	84.3	81.5	90.05	-10,064.0	571.0	748.3	584.6	163.78	4.569
22,700.0	12,415.0	22,599.0	12,415.0	85.0	82.3	90.05	-10,164.0	571.7	748.4	583.2	165.21	4.530
22,800.0	12,415.0	22,699.0	12,415.0	85.7	83.0	90.05	-10,264.0	572.4	748.5	581.8	166.64	4.491
22,900.0	12,415.0	22,799.0	12,415.0	86.4	83.7	90.05	-10,364.0	573.1	748.5	580.4	168.08	4.453
23,000.0	12,415.0	22,899.0	12,415.0	87.1	84.5	90.05	-10,464.0	573.8	748.6	579.0	169.51	4.416
23,100.0	12,415.0	22,999.0	12,415.0	87.8	85.2	90.05	-10,564.0	574.5	748.6	577.7	170.95	4.379
23,200.0	12,415.0	23,099.0	12,415.0	88.6	86.0	90.05	-10,664.0	575.2	748.7	576.3	172.38	4.343
23,300.0	12,415.0	23,199.0	12,415.0	89.3	86.7	90.05	-10,764.0	575.9	748.7	574.9	173.82	4.307
23,400.0	12,415.0	23,299.0	12,415.0	90.0	87.4	90.05	-10,864.0	576.6	748.8	573.5	175.26	4.272
23,500.0	12,415.0	23,399.0	12,415.0	90.7	88.2	90.05	-10,964.0	577.3	748.8	572.1	176.70	4.238
23,600.0	12,415.0	23,499.0	12,415.0	91.4	88.9	90.05	-11,064.0	578.0	748.9	570.7	178.14	4.204
23,700.0	12,415.0	23,599.0	12,415.0	92.1	89.7	90.05	-11,164.0	578.7	748.9	569.4	179.59	4.170
23,800.0	12,415.0	23,699.0	12,415.0	92.9	90.4	90.05	-11,263.9	579.5	749.0	568.0	181.03	4.137
23,900.0	12,415.0	23,799.0	12,415.0	93.6	91.1	90.05	-11,363.9	580.2	749.1	566.6	182.48	4.105
24,000.0	12,415.0	23,899.0	12,415.0	94.3	91.9	90.05	-11,463.9	580.9	749.1	565.2	183.92	4.073

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #607H - OWB - PWP2											Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 11890-r.5 MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Distance		Minimum	Separation	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)	Separation (usft)	Factor
24,100.0	12,415.0	23,999.0	12,415.0	95.0	92.6	90.05	-11,563.9	581.6	749.2	563.8	185.37	4.041
24,200.0	12,415.0	24,099.0	12,415.0	95.8	93.4	90.05	-11,663.9	582.3	749.2	562.4	186.82	4.010
24,300.0	12,415.0	24,199.0	12,415.0	96.5	94.1	90.05	-11,763.9	583.0	749.3	561.0	188.27	3.980
24,400.0	12,415.0	24,299.0	12,415.0	97.2	94.8	90.05	-11,863.9	583.7	749.3	559.6	189.72	3.950
24,500.0	12,415.0	24,399.0	12,415.0	97.9	95.6	90.05	-11,963.9	584.4	749.4	558.2	191.17	3.920
24,600.0	12,415.0	24,499.0	12,415.0	98.7	96.3	90.05	-12,063.9	585.1	749.4	556.8	192.62	3.891
24,700.0	12,415.0	24,599.0	12,415.0	99.4	97.1	90.05	-12,163.9	585.8	749.5	555.4	194.07	3.862
24,800.0	12,415.0	24,699.0	12,415.0	100.1	97.8	90.05	-12,263.9	586.5	749.5	554.0	195.53	3.833
24,900.0	12,415.0	24,799.0	12,415.0	100.8	98.6	90.05	-12,363.9	587.2	749.6	552.6	196.98	3.805
25,000.0	12,415.0	24,899.0	12,415.0	101.6	99.3	90.05	-12,463.9	587.9	749.6	551.2	198.44	3.778
25,100.0	12,415.0	24,999.0	12,415.0	102.3	100.1	90.05	-12,563.9	588.6	749.7	549.8	199.89	3.750
25,200.0	12,415.0	25,099.0	12,415.0	103.0	100.8	90.05	-12,663.9	589.3	749.8	548.4	201.35	3.724
25,300.0	12,415.0	25,199.0	12,415.0	103.8	101.6	90.05	-12,763.9	590.0	749.8	547.0	202.81	3.697
25,400.0	12,415.0	25,299.0	12,415.0	104.5	102.3	90.05	-12,863.9	590.7	749.9	545.6	204.27	3.671
25,500.0	12,415.0	25,399.0	12,415.0	105.2	103.0	90.05	-12,963.9	591.4	749.9	544.2	205.73	3.645
25,600.0	12,415.0	25,499.0	12,415.0	105.9	103.8	90.05	-13,063.9	592.1	750.0	542.8	207.19	3.620
25,700.0	12,415.0	25,599.0	12,415.0	106.7	104.5	90.05	-13,163.9	592.8	750.0	541.4	208.65	3.595
25,800.0	12,415.0	25,699.0	12,415.0	107.4	105.3	90.05	-13,263.9	593.5	750.1	540.0	210.11	3.570
25,900.0	12,415.0	25,799.0	12,415.0	108.1	106.0	90.05	-13,363.9	594.2	750.1	538.6	211.57	3.546
26,000.0	12,415.0	25,899.0	12,415.0	108.9	106.8	90.05	-13,463.9	594.9	750.2	537.2	213.04	3.521
26,100.0	12,415.0	25,999.0	12,415.0	109.6	107.5	90.05	-13,563.9	595.6	750.2	535.7	214.50	3.498
26,200.0	12,415.0	26,099.0	12,415.0	110.3	108.3	90.05	-13,663.9	596.3	750.3	534.3	215.96	3.474
26,300.0	12,415.0	26,199.0	12,415.0	111.1	109.0	90.05	-13,763.9	597.0	750.4	532.9	217.43	3.451
26,400.0	12,415.0	26,299.0	12,415.0	111.8	109.8	90.05	-13,863.9	597.7	750.4	531.5	218.89	3.428
26,500.0	12,415.0	26,399.0	12,415.0	112.6	110.5	90.05	-13,963.9	598.5	750.5	530.1	220.36	3.406
26,600.0	12,415.0	26,499.0	12,415.0	113.3	111.3	90.05	-14,063.9	599.2	750.5	528.7	221.83	3.383
26,700.0	12,415.0	26,599.0	12,415.0	114.0	112.0	90.05	-14,163.9	599.9	750.6	527.3	223.29	3.361
26,800.0	12,415.0	26,699.0	12,415.0	114.8	112.8	90.05	-14,263.9	600.6	750.6	525.9	224.76	3.340
26,900.0	12,415.0	26,799.0	12,415.0	115.5	113.5	90.05	-14,363.9	601.3	750.7	524.5	226.23	3.318
27,000.0	12,415.0	26,899.0	12,415.0	116.2	114.3	90.05	-14,463.9	602.0	750.7	523.0	227.70	3.297
27,100.0	12,415.0	26,999.0	12,415.0	117.0	115.0	90.05	-14,563.9	602.7	750.8	521.6	229.17	3.276
27,200.0	12,415.0	27,099.0	12,415.0	117.7	115.8	90.05	-14,663.9	603.4	750.8	520.2	230.64	3.255
27,300.0	12,415.0	27,199.0	12,415.0	118.4	116.5	90.05	-14,763.9	604.1	750.9	518.8	232.11	3.235
27,400.0	12,415.0	27,299.0	12,415.0	119.2	117.3	90.05	-14,863.9	604.8	751.0	517.4	233.58	3.215
27,500.0	12,415.0	27,399.0	12,415.0	119.9	118.0	90.05	-14,963.9	605.5	751.0	516.0	235.05	3.195
27,600.0	12,415.0	27,499.0	12,415.0	120.7	118.8	90.05	-15,063.9	606.2	751.1	514.5	236.52	3.175
27,700.0	12,415.0	27,599.0	12,415.0	121.4	119.5	90.05	-15,163.9	606.9	751.1	513.1	238.00	3.156
27,800.0	12,415.0	27,699.0	12,415.0	122.1	120.3	90.05	-15,263.8	607.6	751.2	511.7	239.47	3.137
27,900.0	12,415.0	27,799.0	12,415.0	122.9	121.0	90.05	-15,363.8	608.3	751.2	510.3	240.94	3.118
28,000.0	12,415.0	27,899.0	12,415.0	123.6	121.8	90.05	-15,463.8	609.0	751.3	508.9	242.42	3.099
28,056.4	12,415.0	27,954.5	12,415.0	124.0	122.2	90.05	-15,519.3	609.4	751.3	508.1	243.23	3.089 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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design: MEAT LOVER FED COM PROJECT - MEAT LOVER FED COM #608H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-r.5 SDI_KPR_WL_NS-CT, 1500-r.5 MWD+IFR1+MS, 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	Between	Between	Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
0.0	0.0	0.0	0.0	3.0	3.0	-90.38	-0.6	-89.9	89.9				
100.0	100.0	99.3	99.3	3.0	3.0	-90.38	-0.6	-89.9	89.9	83.4	6.52	13.789	
200.0	200.0	199.3	199.3	3.2	3.2	-90.38	-0.6	-89.9	89.9	83.1	6.76	13.300	
300.0	300.0	299.3	299.3	3.3	3.3	-90.38	-0.6	-89.9	89.9	82.9	6.99	12.860	
400.0	400.0	399.3	399.3	3.4	3.4	-90.38	-0.6	-89.9	89.9	82.7	7.21	12.462	
500.0	500.0	499.3	499.3	3.5	3.5	-90.38	-0.6	-89.9	89.9	82.5	7.43	12.100	
600.0	600.0	599.3	599.3	3.7	3.7	-90.38	-0.6	-89.9	89.9	82.3	7.64	11.768	
700.0	700.0	699.3	699.3	3.8	3.8	-90.38	-0.6	-89.9	89.9	82.1	7.84	11.463	
800.0	800.0	799.3	799.3	3.9	3.9	-90.38	-0.6	-89.9	89.9	81.9	8.04	11.180	
900.0	900.0	899.3	899.3	4.0	4.0	-90.38	-0.6	-89.9	89.9	81.7	8.23	10.918	
1,000.0	1,000.0	999.3	999.3	4.2	4.2	-90.38	-0.6	-89.9	89.9	81.5	8.42	10.674	
1,100.0	1,100.0	1,099.3	1,099.3	4.3	4.3	-90.38	-0.6	-89.9	89.9	81.3	8.61	10.446	
1,200.0	1,200.0	1,199.3	1,199.3	4.4	4.4	-90.38	-0.6	-89.9	89.9	81.1	8.79	10.232	
1,300.0	1,300.0	1,299.3	1,299.3	4.5	4.5	-90.38	-0.6	-89.9	89.9	80.9	8.96	10.032	
1,400.0	1,400.0	1,399.3	1,399.3	4.6	4.6	-90.38	-0.6	-89.9	89.9	80.8	9.13	9.842	
1,500.0	1,500.0	1,499.3	1,499.3	4.8	4.7	-90.38	-0.6	-89.9	89.9	80.6	9.30	9.663 CC, ES	
1,600.0	1,600.0	1,596.2	1,596.2	4.9	4.9	-170.31	-0.2	-91.5	93.2	83.6	9.67	9.647 SF	
1,700.0	1,699.8	1,692.5	1,692.4	5.0	5.0	-170.13	0.9	-96.2	103.3	93.1	10.19	10.141	
1,800.0	1,799.5	1,787.5	1,787.0	5.3	5.2	-169.88	2.6	-103.9	120.0	109.3	10.72	11.190	
1,900.0	1,898.7	1,880.6	1,879.5	5.6	5.5	-169.62	5.1	-114.5	143.2	131.9	11.27	12.700	
2,000.0	1,997.5	1,971.3	1,969.2	5.9	5.8	-169.36	8.1	-127.6	172.7	160.8	11.84	14.588	
2,100.0	2,095.6	2,059.0	2,055.5	6.2	6.1	-169.12	11.6	-142.9	208.3	195.9	12.41	16.785	
2,200.0	2,193.1	2,143.4	2,138.0	6.6	6.4	-168.89	15.6	-160.0	249.8	236.8	12.99	19.234	
2,250.0	2,241.5	2,184.3	2,177.8	6.7	6.5	-168.78	17.7	-169.1	272.7	259.4	13.23	20.611	
2,300.0	2,289.8	2,224.3	2,216.6	6.9	6.7	-168.76	19.9	-178.6	296.5	283.1	13.43	22.070	
2,400.0	2,386.4	2,308.9	2,298.3	7.2	6.9	-168.67	24.8	-199.9	345.4	331.5	13.93	24.800	
2,500.0	2,482.9	2,396.0	2,382.5	7.5	7.2	-168.60	29.9	-221.8	394.5	380.0	14.53	27.153	
2,600.0	2,579.5	2,483.1	2,466.7	7.9	7.5	-168.55	34.9	-243.8	443.6	428.4	15.16	29.266	
2,700.0	2,676.1	2,570.3	2,550.8	8.3	7.8	-168.50	40.0	-265.8	492.6	476.8	15.81	31.163	
2,800.0	2,772.7	2,657.4	2,635.0	8.7	8.1	-168.47	45.1	-287.8	541.7	525.2	16.48	32.869	
2,900.0	2,869.3	2,744.5	2,719.2	9.1	8.5	-168.44	50.2	-309.7	590.8	573.6	17.17	34.405	
3,000.0	2,965.9	2,831.7	2,803.3	9.5	8.8	-168.41	55.2	-331.7	639.8	622.0	17.88	35.790	
3,100.0	3,062.5	2,918.8	2,887.5	9.9	9.2	-168.39	60.3	-353.7	688.9	670.3	18.60	37.040	
3,200.0	3,159.1	3,005.9	2,971.7	10.4	9.5	-168.37	65.4	-375.7	738.0	718.6	19.33	38.173	
3,300.0	3,255.7	3,093.1	3,055.8	10.8	9.9	-168.36	70.4	-397.6	787.0	767.0	20.08	39.199	
3,400.0	3,352.3	3,180.2	3,140.0	11.2	10.3	-168.34	75.5	-419.6	836.1	815.3	20.83	40.133	
3,500.0	3,448.9	3,267.4	3,224.2	11.7	10.6	-168.33	80.6	-441.6	885.2	863.6	21.60	40.984	
3,600.0	3,545.5	3,354.5	3,308.3	12.1	11.0	-168.32	85.7	-463.5	934.2	911.9	22.37	41.762	
3,700.0	3,642.1	3,441.6	3,392.5	12.6	11.4	-168.31	90.7	-485.5	983.3	960.1	23.15	42.475	

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 #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB=30' @ 3748.1usft (TBD)

Offset Depths are relative to Offset Datum

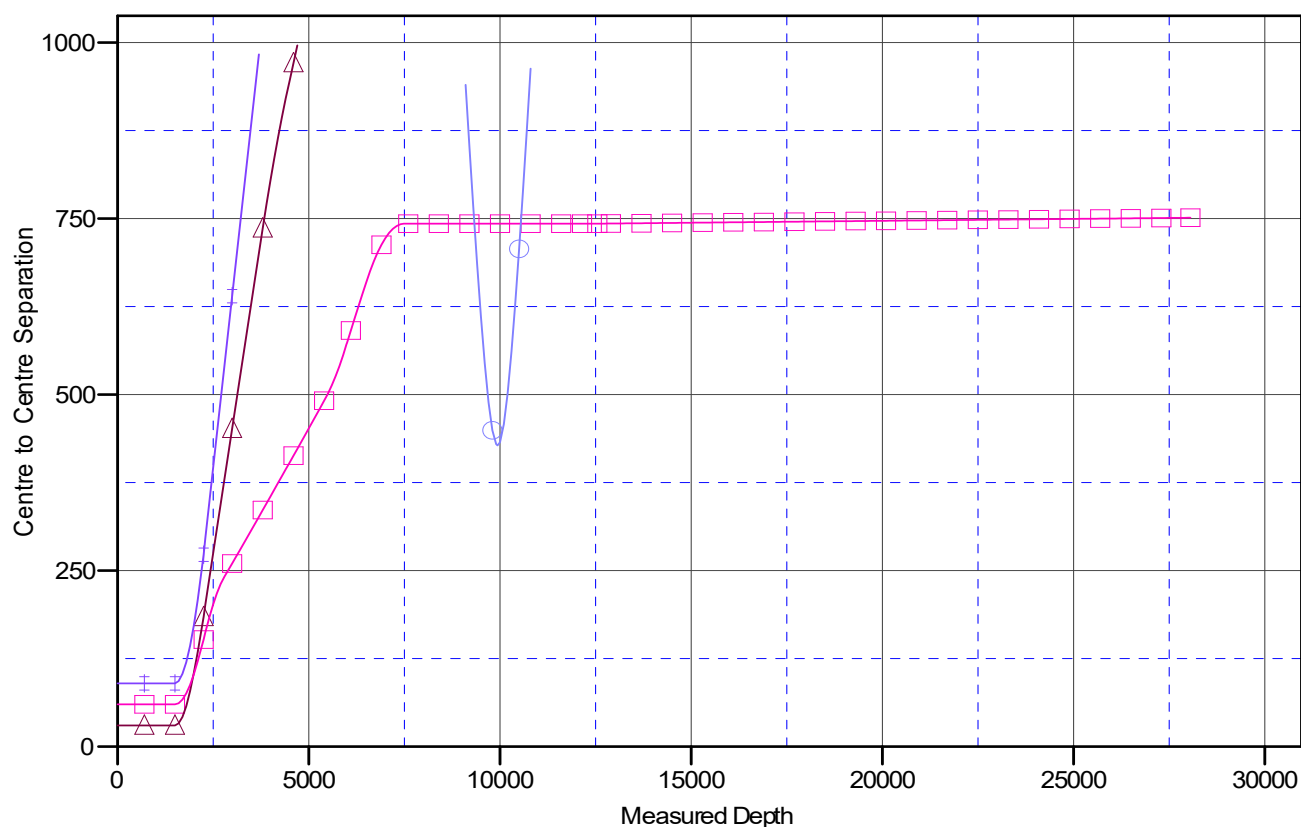
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #605H - Slot MEAT LOVER

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

Grid Convergence at Surface is: 0.38°

Ladder Plot



LEGEND

- ▲ MEAT LOVER FED COM #606H OWB, PWP2 V0
- MEAT LOVER FED COM #607H OWB, PWP2 V0
- JAGUAR '18' STATE #3H, OWB, AWP V0

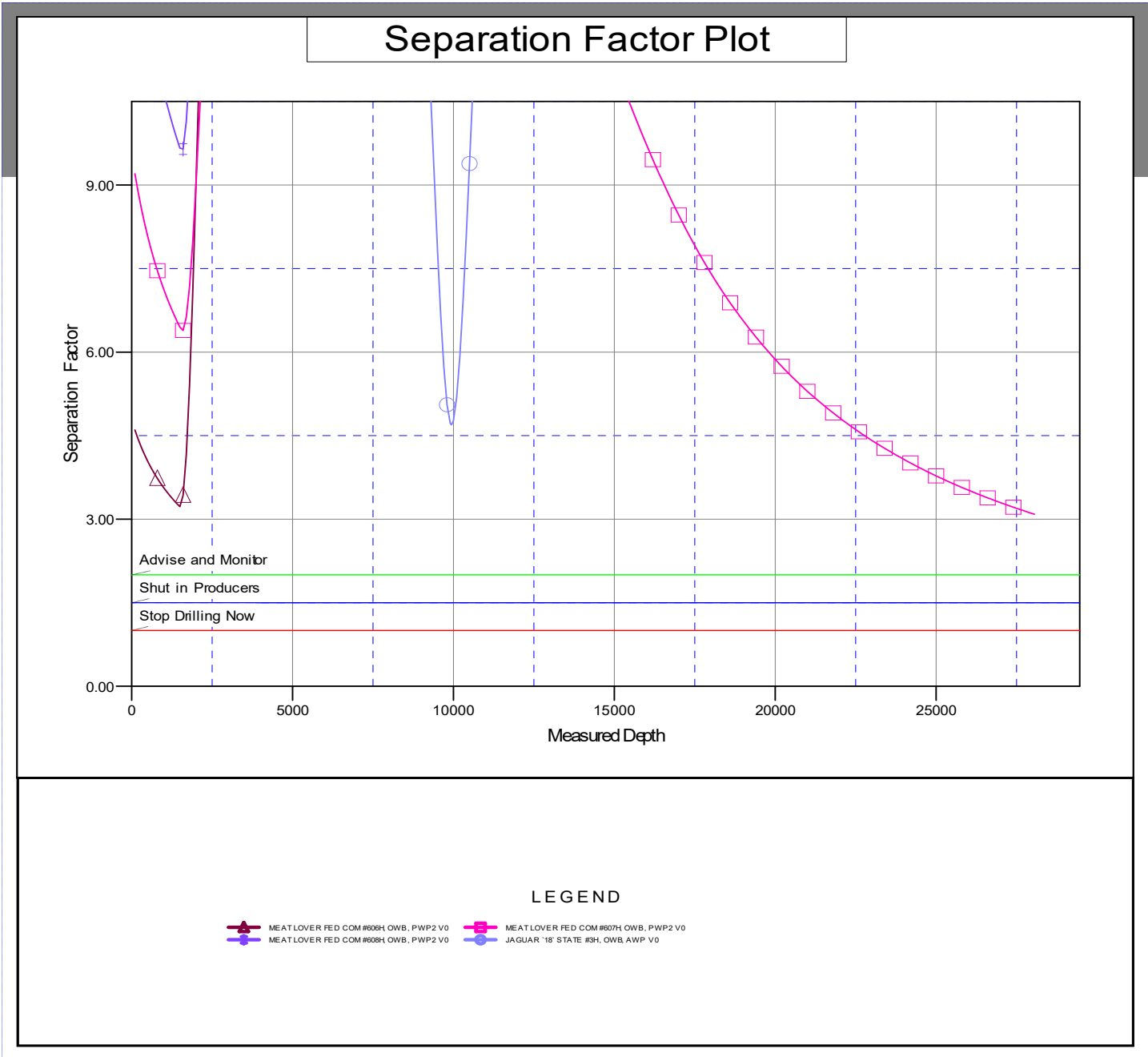
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

ConocoPhillips
Anticollision Report

Company:	DELAWARE BASIN EAST	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Project:	BULLDOG PROSPECT (DBE)	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Reference Site:	MEAT LOVER FED COM PROJECT	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MEAT LOVER FED COM #605H	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:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB=30' @ 3748.1usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MEAT LOVER FED COM #605H - Slot MEAT LOVER
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.38°



DELAWARE BASIN EAST

BULLDOG PROSPECT (DBE)

MEAT LOVER FED COM PROJECT

**MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM
#605H**

OWB

Plan: PWP2

Standard Planning Report

23 October, 2023

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Project	BULLDOG PROSPECT (DBE)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

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

Well	MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H					
Well Position	+N/-S	0.0 usft	Northing:	477,664.90 usft	Latitude:	32° 18' 40.219 N
	+E/-W	0.0 usft	Easting:	721,972.10 usft	Longitude:	103° 36' 53.471 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,718.1 usft
Grid Convergence:		0.38 °				

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	7/7/2021	6.56	60.00	47,753.37964625

Design	PWP2			
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	174.99

Plan Survey Tool Program		Date	10/23/2023		
Depth From (usft)	Depth To (usft)	Survey (Wellbore)	Tool Name	Remarks	
1	0.0	1,500.0 PWP2 (OWB)	r.5 SDI_KPR_WL_NS-CT SDI Keeper Wireline Gyrocom		
2	1,500.0	11,995.1 PWP2 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		
3	11,995.1	28,056.4 PWP2 (OWB)	r.5 MWD+IFR1+MS OWSG MWD + IFR1 + Multi-St		

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Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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	
2,250.0	15.00	80.00	2,241.5	17.0	96.1	2.00	2.00	0.00	80.00	
5,988.9	15.00	80.00	5,853.0	185.0	1,049.1	0.00	0.00	0.00	0.00	
7,488.9	0.00	0.00	7,335.9	218.9	1,241.4	1.00	-1.00	0.00	180.00	
11,995.1	0.00	0.00	11,842.0	218.9	1,241.4	0.00	0.00	0.00	0.00	
12,895.1	90.00	179.57	12,415.0	-354.0	1,245.7	10.00	10.00	19.95	179.57	
28,056.4	90.00	179.57	12,415.0	-15,515.0	1,360.7	0.00	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 #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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	80.00	1,600.0	0.3	1.7	-0.2	2.00	2.00	0.00	
1,700.0	4.00	80.00	1,699.8	1.2	6.9	-0.6	2.00	2.00	0.00	
1,800.0	6.00	80.00	1,799.5	2.7	15.5	-1.4	2.00	2.00	0.00	
1,900.0	8.00	80.00	1,898.7	4.8	27.5	-2.4	2.00	2.00	0.00	
2,000.0	10.00	80.00	1,997.5	7.6	42.9	-3.8	2.00	2.00	0.00	
2,100.0	12.00	80.00	2,095.6	10.9	61.7	-5.4	2.00	2.00	0.00	
2,200.0	14.00	80.00	2,193.1	14.8	83.8	-7.4	2.00	2.00	0.00	
2,250.0	15.00	80.00	2,241.5	17.0	96.1	-8.5	2.00	2.00	0.00	
2,300.0	15.00	80.00	2,289.8	19.2	108.9	-9.6	0.00	0.00	0.00	
2,400.0	15.00	80.00	2,386.4	23.7	134.4	-11.9	0.00	0.00	0.00	
2,500.0	15.00	80.00	2,482.9	28.2	159.9	-14.1	0.00	0.00	0.00	
2,600.0	15.00	80.00	2,579.5	32.7	185.3	-16.4	0.00	0.00	0.00	
2,700.0	15.00	80.00	2,676.1	37.2	210.8	-18.6	0.00	0.00	0.00	
2,800.0	15.00	80.00	2,772.7	41.7	236.3	-20.9	0.00	0.00	0.00	
2,900.0	15.00	80.00	2,869.3	46.2	261.8	-23.1	0.00	0.00	0.00	
3,000.0	15.00	80.00	2,965.9	50.7	287.3	-25.4	0.00	0.00	0.00	
3,100.0	15.00	80.00	3,062.5	55.2	312.8	-27.6	0.00	0.00	0.00	
3,200.0	15.00	80.00	3,159.1	59.6	338.3	-29.9	0.00	0.00	0.00	
3,300.0	15.00	80.00	3,255.7	64.1	363.8	-32.1	0.00	0.00	0.00	
3,400.0	15.00	80.00	3,352.3	68.6	389.3	-34.4	0.00	0.00	0.00	
3,500.0	15.00	80.00	3,448.9	73.1	414.7	-36.6	0.00	0.00	0.00	
3,600.0	15.00	80.00	3,545.5	77.6	440.2	-38.9	0.00	0.00	0.00	
3,700.0	15.00	80.00	3,642.1	82.1	465.7	-41.1	0.00	0.00	0.00	
3,800.0	15.00	80.00	3,738.6	86.6	491.2	-43.4	0.00	0.00	0.00	
3,900.0	15.00	80.00	3,835.2	91.1	516.7	-45.6	0.00	0.00	0.00	
4,000.0	15.00	80.00	3,931.8	95.6	542.2	-47.9	0.00	0.00	0.00	
4,100.0	15.00	80.00	4,028.4	100.1	567.7	-50.1	0.00	0.00	0.00	
4,200.0	15.00	80.00	4,125.0	104.6	593.2	-52.4	0.00	0.00	0.00	
4,300.0	15.00	80.00	4,221.6	109.1	618.7	-54.6	0.00	0.00	0.00	
4,400.0	15.00	80.00	4,318.2	113.6	644.1	-56.9	0.00	0.00	0.00	
4,500.0	15.00	80.00	4,414.8	118.1	669.6	-59.1	0.00	0.00	0.00	
4,600.0	15.00	80.00	4,511.4	122.6	695.1	-61.4	0.00	0.00	0.00	
4,700.0	15.00	80.00	4,608.0	127.1	720.6	-63.6	0.00	0.00	0.00	
4,800.0	15.00	80.00	4,704.6	131.6	746.1	-65.9	0.00	0.00	0.00	
4,900.0	15.00	80.00	4,801.2	136.1	771.6	-68.1	0.00	0.00	0.00	
5,000.0	15.00	80.00	4,897.8	140.5	797.1	-70.4	0.00	0.00	0.00	
5,100.0	15.00	80.00	4,994.4	145.0	822.6	-72.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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	15.00	80.00	5,090.9	149.5	848.0	-74.9	0.00	0.00	0.00	
5,300.0	15.00	80.00	5,187.5	154.0	873.5	-77.1	0.00	0.00	0.00	
5,400.0	15.00	80.00	5,284.1	158.5	899.0	-79.4	0.00	0.00	0.00	
5,500.0	15.00	80.00	5,380.7	163.0	924.5	-81.6	0.00	0.00	0.00	
5,600.0	15.00	80.00	5,477.3	167.5	950.0	-83.9	0.00	0.00	0.00	
5,700.0	15.00	80.00	5,573.9	172.0	975.5	-86.1	0.00	0.00	0.00	
5,800.0	15.00	80.00	5,670.5	176.5	1,001.0	-88.4	0.00	0.00	0.00	
5,900.0	15.00	80.00	5,767.1	181.0	1,026.5	-90.6	0.00	0.00	0.00	
5,988.9	15.00	80.00	5,853.0	185.0	1,049.1	-92.6	0.00	0.00	0.00	
6,000.0	14.89	80.00	5,863.7	185.5	1,051.9	-92.9	1.00	-1.00	0.00	
6,100.0	13.89	80.00	5,960.5	189.8	1,076.4	-95.0	1.00	-1.00	0.00	
6,200.0	12.89	80.00	6,057.8	193.8	1,099.2	-97.0	1.00	-1.00	0.00	
6,300.0	11.89	80.00	6,155.5	197.5	1,120.4	-98.9	1.00	-1.00	0.00	
6,400.0	10.89	80.00	6,253.5	201.0	1,139.8	-100.6	1.00	-1.00	0.00	
6,500.0	9.89	80.00	6,351.9	204.1	1,157.6	-102.2	1.00	-1.00	0.00	
6,600.0	8.89	80.00	6,450.5	206.9	1,173.6	-103.6	1.00	-1.00	0.00	
6,700.0	7.89	80.00	6,549.5	209.5	1,188.0	-104.9	1.00	-1.00	0.00	
6,800.0	6.89	80.00	6,648.6	211.7	1,200.7	-106.0	1.00	-1.00	0.00	
6,900.0	5.89	80.00	6,748.0	213.6	1,211.6	-107.0	1.00	-1.00	0.00	
7,000.0	4.89	80.00	6,847.6	215.3	1,220.9	-107.8	1.00	-1.00	0.00	
7,100.0	3.89	80.00	6,947.3	216.6	1,228.4	-108.5	1.00	-1.00	0.00	
7,200.0	2.89	80.00	7,047.1	217.6	1,234.2	-109.0	1.00	-1.00	0.00	
7,300.0	1.89	80.00	7,147.0	218.4	1,238.3	-109.3	1.00	-1.00	0.00	
7,400.0	0.89	80.00	7,247.0	218.8	1,240.7	-109.5	1.00	-1.00	0.00	
7,488.9	0.00	0.00	7,335.9	218.9	1,241.4	-109.6	1.00	-1.00	0.00	
7,500.0	0.00	0.00	7,347.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,447.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,547.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
7,800.0	0.00	0.00	7,647.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,747.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,000.0	0.00	0.00	7,847.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,100.0	0.00	0.00	7,947.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,200.0	0.00	0.00	8,047.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,147.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,247.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,347.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,447.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,547.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,800.0	0.00	0.00	8,647.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
8,900.0	0.00	0.00	8,747.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,000.0	0.00	0.00	8,847.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,100.0	0.00	0.00	8,947.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,200.0	0.00	0.00	9,047.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,300.0	0.00	0.00	9,147.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,400.0	0.00	0.00	9,247.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,500.0	0.00	0.00	9,347.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,600.0	0.00	0.00	9,447.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,700.0	0.00	0.00	9,547.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,800.0	0.00	0.00	9,647.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
9,900.0	0.00	0.00	9,747.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,000.0	0.00	0.00	9,847.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,100.0	0.00	0.00	9,947.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,200.0	0.00	0.00	10,047.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	

ConocoPhillips

Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
10,300.0	0.00	0.00	10,147.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,400.0	0.00	0.00	10,247.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,500.0	0.00	0.00	10,347.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,600.0	0.00	0.00	10,447.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,700.0	0.00	0.00	10,547.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,800.0	0.00	0.00	10,647.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
10,900.0	0.00	0.00	10,747.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,000.0	0.00	0.00	10,847.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,100.0	0.00	0.00	10,947.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,200.0	0.00	0.00	11,047.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,300.0	0.00	0.00	11,147.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,400.0	0.00	0.00	11,247.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,500.0	0.00	0.00	11,347.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,600.0	0.00	0.00	11,447.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,700.0	0.00	0.00	11,547.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,800.0	0.00	0.00	11,647.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,900.0	0.00	0.00	11,747.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
11,995.1	0.00	0.00	11,842.0	218.9	1,241.4	-109.6	0.00	0.00	0.00	
12,000.0	0.49	179.57	11,847.0	218.9	1,241.4	-109.6	10.00	10.00	0.00	
12,050.0	5.49	179.57	11,896.9	216.3	1,241.4	-107.0	10.00	10.00	0.00	
12,100.0	10.49	179.57	11,946.4	209.3	1,241.5	-100.0	10.00	10.00	0.00	
12,150.0	15.49	179.57	11,995.1	198.1	1,241.6	-88.8	10.00	10.00	0.00	
12,200.0	20.49	179.57	12,042.6	182.6	1,241.7	-73.5	10.00	10.00	0.00	
12,250.0	25.49	179.57	12,088.7	163.1	1,241.8	-54.0	10.00	10.00	0.00	
12,300.0	30.49	179.57	12,132.8	139.6	1,242.0	-30.6	10.00	10.00	0.00	
12,350.0	35.49	179.57	12,174.7	112.4	1,242.2	-3.5	10.00	10.00	0.00	
12,400.0	40.49	179.57	12,214.1	81.7	1,242.4	27.2	10.00	10.00	0.00	
12,450.0	45.49	179.57	12,250.7	47.6	1,242.7	61.2	10.00	10.00	0.00	
12,500.0	50.49	179.57	12,284.1	10.4	1,243.0	98.2	10.00	10.00	0.00	
12,550.0	55.49	179.57	12,314.2	-29.5	1,243.3	138.0	10.00	10.00	0.00	
12,600.0	60.49	179.57	12,340.7	-71.9	1,243.6	180.2	10.00	10.00	0.00	
12,650.0	65.49	179.57	12,363.4	-116.4	1,243.9	224.6	10.00	10.00	0.00	
12,700.0	70.49	179.57	12,382.1	-162.7	1,244.3	270.8	10.00	10.00	0.00	
12,750.0	75.49	179.57	12,396.7	-210.5	1,244.7	318.5	10.00	10.00	0.00	
12,800.0	80.49	179.57	12,407.1	-259.4	1,245.0	367.2	10.00	10.00	0.00	
12,850.0	85.49	179.57	12,413.2	-309.0	1,245.4	416.7	10.00	10.00	0.00	
12,895.1	90.00	179.57	12,415.0	-354.0	1,245.7	461.5	10.00	10.00	0.00	
12,900.0	90.00	179.57	12,415.0	-359.0	1,245.8	466.5	0.00	0.00	0.00	
13,000.0	90.00	179.57	12,415.0	-459.0	1,246.5	566.1	0.00	0.00	0.00	
13,100.0	90.00	179.57	12,415.0	-559.0	1,247.3	665.8	0.00	0.00	0.00	
13,200.0	90.00	179.57	12,415.0	-659.0	1,248.1	765.5	0.00	0.00	0.00	
13,300.0	90.00	179.57	12,415.0	-759.0	1,248.8	865.2	0.00	0.00	0.00	
13,400.0	90.00	179.57	12,415.0	-859.0	1,249.6	964.9	0.00	0.00	0.00	
13,500.0	90.00	179.57	12,415.0	-959.0	1,250.3	1,064.5	0.00	0.00	0.00	
13,600.0	90.00	179.57	12,415.0	-1,059.0	1,251.1	1,164.2	0.00	0.00	0.00	
13,700.0	90.00	179.57	12,415.0	-1,159.0	1,251.9	1,263.9	0.00	0.00	0.00	
13,800.0	90.00	179.57	12,415.0	-1,259.0	1,252.6	1,363.6	0.00	0.00	0.00	
13,900.0	90.00	179.57	12,415.0	-1,359.0	1,253.4	1,463.3	0.00	0.00	0.00	
14,000.0	90.00	179.57	12,415.0	-1,459.0	1,254.1	1,562.9	0.00	0.00	0.00	
14,100.0	90.00	179.57	12,415.0	-1,559.0	1,254.9	1,662.6	0.00	0.00	0.00	
14,200.0	90.00	179.57	12,415.0	-1,659.0	1,255.6	1,762.3	0.00	0.00	0.00	
14,300.0	90.00	179.57	12,415.0	-1,759.0	1,256.4	1,862.0	0.00	0.00	0.00	
14,400.0	90.00	179.57	12,415.0	-1,858.9	1,257.2	1,961.7	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 #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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)
14,500.0	90.00	179.57	12,415.0	-1,958.9	1,257.9	2,061.4	0.00	0.00	0.00
14,600.0	90.00	179.57	12,415.0	-2,058.9	1,258.7	2,161.0	0.00	0.00	0.00
14,700.0	90.00	179.57	12,415.0	-2,158.9	1,259.4	2,260.7	0.00	0.00	0.00
14,800.0	90.00	179.57	12,415.0	-2,258.9	1,260.2	2,360.4	0.00	0.00	0.00
14,900.0	90.00	179.57	12,415.0	-2,358.9	1,260.9	2,460.1	0.00	0.00	0.00
15,000.0	90.00	179.57	12,415.0	-2,458.9	1,261.7	2,559.8	0.00	0.00	0.00
15,100.0	90.00	179.57	12,415.0	-2,558.9	1,262.5	2,659.4	0.00	0.00	0.00
15,200.0	90.00	179.57	12,415.0	-2,658.9	1,263.2	2,759.1	0.00	0.00	0.00
15,300.0	90.00	179.57	12,415.0	-2,758.9	1,264.0	2,858.8	0.00	0.00	0.00
15,400.0	90.00	179.57	12,415.0	-2,858.9	1,264.7	2,958.5	0.00	0.00	0.00
15,500.0	90.00	179.57	12,415.0	-2,958.9	1,265.5	3,058.2	0.00	0.00	0.00
15,600.0	90.00	179.57	12,415.0	-3,058.9	1,266.3	3,157.8	0.00	0.00	0.00
15,700.0	90.00	179.57	12,415.0	-3,158.9	1,267.0	3,257.5	0.00	0.00	0.00
15,800.0	90.00	179.57	12,415.0	-3,258.9	1,267.8	3,357.2	0.00	0.00	0.00
15,900.0	90.00	179.57	12,415.0	-3,358.9	1,268.5	3,456.9	0.00	0.00	0.00
16,000.0	90.00	179.57	12,415.0	-3,458.9	1,269.3	3,556.6	0.00	0.00	0.00
16,100.0	90.00	179.57	12,415.0	-3,558.9	1,270.0	3,656.3	0.00	0.00	0.00
16,200.0	90.00	179.57	12,415.0	-3,658.9	1,270.8	3,755.9	0.00	0.00	0.00
16,300.0	90.00	179.57	12,415.0	-3,758.9	1,271.6	3,855.6	0.00	0.00	0.00
16,400.0	90.00	179.57	12,415.0	-3,858.9	1,272.3	3,955.3	0.00	0.00	0.00
16,500.0	90.00	179.57	12,415.0	-3,958.9	1,273.1	4,055.0	0.00	0.00	0.00
16,600.0	90.00	179.57	12,415.0	-4,058.9	1,273.8	4,154.7	0.00	0.00	0.00
16,700.0	90.00	179.57	12,415.0	-4,158.9	1,274.6	4,254.3	0.00	0.00	0.00
16,800.0	90.00	179.57	12,415.0	-4,258.9	1,275.4	4,354.0	0.00	0.00	0.00
16,900.0	90.00	179.57	12,415.0	-4,358.9	1,276.1	4,453.7	0.00	0.00	0.00
17,000.0	90.00	179.57	12,415.0	-4,458.9	1,276.9	4,553.4	0.00	0.00	0.00
17,100.0	90.00	179.57	12,415.0	-4,558.9	1,277.6	4,653.1	0.00	0.00	0.00
17,200.0	90.00	179.57	12,415.0	-4,658.9	1,278.4	4,752.7	0.00	0.00	0.00
17,300.0	90.00	179.57	12,415.0	-4,758.9	1,279.1	4,852.4	0.00	0.00	0.00
17,400.0	90.00	179.57	12,415.0	-4,858.9	1,279.9	4,952.1	0.00	0.00	0.00
17,500.0	90.00	179.57	12,415.0	-4,958.9	1,280.7	5,051.8	0.00	0.00	0.00
17,600.0	90.00	179.57	12,415.0	-5,058.9	1,281.4	5,151.5	0.00	0.00	0.00
17,700.0	90.00	179.57	12,415.0	-5,158.9	1,282.2	5,251.1	0.00	0.00	0.00
17,800.0	90.00	179.57	12,415.0	-5,258.8	1,282.9	5,350.8	0.00	0.00	0.00
17,900.0	90.00	179.57	12,415.0	-5,358.8	1,283.7	5,450.5	0.00	0.00	0.00
18,000.0	90.00	179.57	12,415.0	-5,458.8	1,284.5	5,550.2	0.00	0.00	0.00
18,100.0	90.00	179.57	12,415.0	-5,558.8	1,285.2	5,649.9	0.00	0.00	0.00
18,200.0	90.00	179.57	12,415.0	-5,658.8	1,286.0	5,749.6	0.00	0.00	0.00
18,300.0	90.00	179.57	12,415.0	-5,758.8	1,286.7	5,849.2	0.00	0.00	0.00
18,400.0	90.00	179.57	12,415.0	-5,858.8	1,287.5	5,948.9	0.00	0.00	0.00
18,500.0	90.00	179.57	12,415.0	-5,958.8	1,288.2	6,048.6	0.00	0.00	0.00
18,600.0	90.00	179.57	12,415.0	-6,058.8	1,289.0	6,148.3	0.00	0.00	0.00
18,700.0	90.00	179.57	12,415.0	-6,158.8	1,289.8	6,248.0	0.00	0.00	0.00
18,800.0	90.00	179.57	12,415.0	-6,258.8	1,290.5	6,347.6	0.00	0.00	0.00
18,900.0	90.00	179.57	12,415.0	-6,358.8	1,291.3	6,447.3	0.00	0.00	0.00
19,000.0	90.00	179.57	12,415.0	-6,458.8	1,292.0	6,547.0	0.00	0.00	0.00
19,100.0	90.00	179.57	12,415.0	-6,558.8	1,292.8	6,646.7	0.00	0.00	0.00
19,200.0	90.00	179.57	12,415.0	-6,658.8	1,293.6	6,746.4	0.00	0.00	0.00
19,300.0	90.00	179.57	12,415.0	-6,758.8	1,294.3	6,846.0	0.00	0.00	0.00
19,400.0	90.00	179.57	12,415.0	-6,858.8	1,295.1	6,945.7	0.00	0.00	0.00
19,500.0	90.00	179.57	12,415.0	-6,958.8	1,295.8	7,045.4	0.00	0.00	0.00
19,600.0	90.00	179.57	12,415.0	-7,058.8	1,296.6	7,145.1	0.00	0.00	0.00
19,700.0	90.00	179.57	12,415.0	-7,158.8	1,297.3	7,244.8	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 #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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)	
19,800.0	90.00	179.57	12,415.0	-7,258.8	1,298.1	7,344.4	0.00	0.00	0.00	
19,900.0	90.00	179.57	12,415.0	-7,358.8	1,298.9	7,444.1	0.00	0.00	0.00	
20,000.0	90.00	179.57	12,415.0	-7,458.8	1,299.6	7,543.8	0.00	0.00	0.00	
20,100.0	90.00	179.57	12,415.0	-7,558.8	1,300.4	7,643.5	0.00	0.00	0.00	
20,200.0	90.00	179.57	12,415.0	-7,658.8	1,301.1	7,743.2	0.00	0.00	0.00	
20,300.0	90.00	179.57	12,415.0	-7,758.8	1,301.9	7,842.9	0.00	0.00	0.00	
20,400.0	90.00	179.57	12,415.0	-7,858.8	1,302.6	7,942.5	0.00	0.00	0.00	
20,500.0	90.00	179.57	12,415.0	-7,958.8	1,303.4	8,042.2	0.00	0.00	0.00	
20,600.0	90.00	179.57	12,415.0	-8,058.8	1,304.2	8,141.9	0.00	0.00	0.00	
20,700.0	90.00	179.57	12,415.0	-8,158.8	1,304.9	8,241.6	0.00	0.00	0.00	
20,800.0	90.00	179.57	12,415.0	-8,258.8	1,305.7	8,341.3	0.00	0.00	0.00	
20,900.0	90.00	179.57	12,415.0	-8,358.8	1,306.4	8,440.9	0.00	0.00	0.00	
21,000.0	90.00	179.57	12,415.0	-8,458.8	1,307.2	8,540.6	0.00	0.00	0.00	
21,100.0	90.00	179.57	12,415.0	-8,558.8	1,308.0	8,640.3	0.00	0.00	0.00	
21,200.0	90.00	179.57	12,415.0	-8,658.8	1,308.7	8,740.0	0.00	0.00	0.00	
21,300.0	90.00	179.57	12,415.0	-8,758.7	1,309.5	8,839.7	0.00	0.00	0.00	
21,400.0	90.00	179.57	12,415.0	-8,858.7	1,310.2	8,939.3	0.00	0.00	0.00	
21,500.0	90.00	179.57	12,415.0	-8,958.7	1,311.0	9,039.0	0.00	0.00	0.00	
21,600.0	90.00	179.57	12,415.0	-9,058.7	1,311.7	9,138.7	0.00	0.00	0.00	
21,700.0	90.00	179.57	12,415.0	-9,158.7	1,312.5	9,238.4	0.00	0.00	0.00	
21,800.0	90.00	179.57	12,415.0	-9,258.7	1,313.3	9,338.1	0.00	0.00	0.00	
21,900.0	90.00	179.57	12,415.0	-9,358.7	1,314.0	9,437.7	0.00	0.00	0.00	
22,000.0	90.00	179.57	12,415.0	-9,458.7	1,314.8	9,537.4	0.00	0.00	0.00	
22,100.0	90.00	179.57	12,415.0	-9,558.7	1,315.5	9,637.1	0.00	0.00	0.00	
22,200.0	90.00	179.57	12,415.0	-9,658.7	1,316.3	9,736.8	0.00	0.00	0.00	
22,300.0	90.00	179.57	12,415.0	-9,758.7	1,317.1	9,836.5	0.00	0.00	0.00	
22,400.0	90.00	179.57	12,415.0	-9,858.7	1,317.8	9,936.2	0.00	0.00	0.00	
22,500.0	90.00	179.57	12,415.0	-9,958.7	1,318.6	10,035.8	0.00	0.00	0.00	
22,600.0	90.00	179.57	12,415.0	-10,058.7	1,319.3	10,135.5	0.00	0.00	0.00	
22,700.0	90.00	179.57	12,415.0	-10,158.7	1,320.1	10,235.2	0.00	0.00	0.00	
22,800.0	90.00	179.57	12,415.0	-10,258.7	1,320.8	10,334.9	0.00	0.00	0.00	
22,900.0	90.00	179.57	12,415.0	-10,358.7	1,321.6	10,434.6	0.00	0.00	0.00	
23,000.0	90.00	179.57	12,415.0	-10,458.7	1,322.4	10,534.2	0.00	0.00	0.00	
23,100.0	90.00	179.57	12,415.0	-10,558.7	1,323.1	10,633.9	0.00	0.00	0.00	
23,200.0	90.00	179.57	12,415.0	-10,658.7	1,323.9	10,733.6	0.00	0.00	0.00	
23,300.0	90.00	179.57	12,415.0	-10,758.7	1,324.6	10,833.3	0.00	0.00	0.00	
23,400.0	90.00	179.57	12,415.0	-10,858.7	1,325.4	10,933.0	0.00	0.00	0.00	
23,500.0	90.00	179.57	12,415.0	-10,958.7	1,326.2	11,032.6	0.00	0.00	0.00	
23,600.0	90.00	179.57	12,415.0	-11,058.7	1,326.9	11,132.3	0.00	0.00	0.00	
23,700.0	90.00	179.57	12,415.0	-11,158.7	1,327.7	11,232.0	0.00	0.00	0.00	
23,800.0	90.00	179.57	12,415.0	-11,258.7	1,328.4	11,331.7	0.00	0.00	0.00	
23,900.0	90.00	179.57	12,415.0	-11,358.7	1,329.2	11,431.4	0.00	0.00	0.00	
24,000.0	90.00	179.57	12,415.0	-11,458.7	1,329.9	11,531.0	0.00	0.00	0.00	
24,100.0	90.00	179.57	12,415.0	-11,558.7	1,330.7	11,630.7	0.00	0.00	0.00	
24,200.0	90.00	179.57	12,415.0	-11,658.7	1,331.5	11,730.4	0.00	0.00	0.00	
24,300.0	90.00	179.57	12,415.0	-11,758.7	1,332.2	11,830.1	0.00	0.00	0.00	
24,400.0	90.00	179.57	12,415.0	-11,858.7	1,333.0	11,929.8	0.00	0.00	0.00	
24,500.0	90.00	179.57	12,415.0	-11,958.7	1,333.7	12,029.5	0.00	0.00	0.00	
24,600.0	90.00	179.57	12,415.0	-12,058.7	1,334.5	12,129.1	0.00	0.00	0.00	
24,700.0	90.00	179.57	12,415.0	-12,158.7	1,335.3	12,228.8	0.00	0.00	0.00	
24,800.0	90.00	179.57	12,415.0	-12,258.6	1,336.0	12,328.5	0.00	0.00	0.00	
24,900.0	90.00	179.57	12,415.0	-12,358.6	1,336.8	12,428.2	0.00	0.00	0.00	
25,000.0	90.00	179.57	12,415.0	-12,458.6	1,337.5	12,527.9	0.00	0.00	0.00	

ConocoPhillips
Planning Report

Database:	EDT 17 Central Planning Prod	Local Co-ordinate Reference:	Well MEAT LOVER FED COM #605H - Slot MEAT LOVER FED COM #605H
Company:	DELAWARE BASIN EAST	TVD Reference:	*KB=30' @ 3748.1usft (TBD)
Project:	BULLDOG PROSPECT (DBE)	MD Reference:	*KB=30' @ 3748.1usft (TBD)
Site:	MEAT LOVER FED COM PROJECT	North Reference:	Grid
Well:	MEAT LOVER FED COM #605H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OWB		
Design:	PWP2		

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)	
25,100.0	90.00	179.57	12,415.0	-12,558.6	1,338.3	12,627.5	0.00	0.00	0.00	
25,200.0	90.00	179.57	12,415.0	-12,658.6	1,339.0	12,727.2	0.00	0.00	0.00	
25,300.0	90.00	179.57	12,415.0	-12,758.6	1,339.8	12,826.9	0.00	0.00	0.00	
25,400.0	90.00	179.57	12,415.0	-12,858.6	1,340.6	12,926.6	0.00	0.00	0.00	
25,500.0	90.00	179.57	12,415.0	-12,958.6	1,341.3	13,026.3	0.00	0.00	0.00	
25,600.0	90.00	179.57	12,415.0	-13,058.6	1,342.1	13,125.9	0.00	0.00	0.00	
25,700.0	90.00	179.57	12,415.0	-13,158.6	1,342.8	13,225.6	0.00	0.00	0.00	
25,800.0	90.00	179.57	12,415.0	-13,258.6	1,343.6	13,325.3	0.00	0.00	0.00	
25,900.0	90.00	179.57	12,415.0	-13,358.6	1,344.4	13,425.0	0.00	0.00	0.00	
26,000.0	90.00	179.57	12,415.0	-13,458.6	1,345.1	13,524.7	0.00	0.00	0.00	
26,100.0	90.00	179.57	12,415.0	-13,558.6	1,345.9	13,624.3	0.00	0.00	0.00	
26,200.0	90.00	179.57	12,415.0	-13,658.6	1,346.6	13,724.0	0.00	0.00	0.00	
26,300.0	90.00	179.57	12,415.0	-13,758.6	1,347.4	13,823.7	0.00	0.00	0.00	
26,400.0	90.00	179.57	12,415.0	-13,858.6	1,348.1	13,923.4	0.00	0.00	0.00	
26,500.0	90.00	179.57	12,415.0	-13,958.6	1,348.9	14,023.1	0.00	0.00	0.00	
26,600.0	90.00	179.57	12,415.0	-14,058.6	1,349.7	14,122.8	0.00	0.00	0.00	
26,700.0	90.00	179.57	12,415.0	-14,158.6	1,350.4	14,222.4	0.00	0.00	0.00	
26,800.0	90.00	179.57	12,415.0	-14,258.6	1,351.2	14,322.1	0.00	0.00	0.00	
26,900.0	90.00	179.57	12,415.0	-14,358.6	1,351.9	14,421.8	0.00	0.00	0.00	
27,000.0	90.00	179.57	12,415.0	-14,458.6	1,352.7	14,521.5	0.00	0.00	0.00	
27,100.0	90.00	179.57	12,415.0	-14,558.6	1,353.4	14,621.2	0.00	0.00	0.00	
27,200.0	90.00	179.57	12,415.0	-14,658.6	1,354.2	14,720.8	0.00	0.00	0.00	
27,300.0	90.00	179.57	12,415.0	-14,758.6	1,355.0	14,820.5	0.00	0.00	0.00	
27,400.0	90.00	179.57	12,415.0	-14,858.6	1,355.7	14,920.2	0.00	0.00	0.00	
27,500.0	90.00	179.57	12,415.0	-14,958.6	1,356.5	15,019.9	0.00	0.00	0.00	
27,600.0	90.00	179.57	12,415.0	-15,058.6	1,357.2	15,119.6	0.00	0.00	0.00	
27,700.0	90.00	179.57	12,415.0	-15,158.6	1,358.0	15,219.2	0.00	0.00	0.00	
27,800.0	90.00	179.57	12,415.0	-15,258.6	1,358.8	15,318.9	0.00	0.00	0.00	
27,900.0	90.00	179.57	12,415.0	-15,358.6	1,359.5	15,418.6	0.00	0.00	0.00	
28,000.0	90.00	179.57	12,415.0	-15,458.6	1,360.3	15,518.3	0.00	0.00	0.00	
28,056.4	90.00	179.57	12,415.0	-15,515.0	1,360.7	15,574.6	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
- Shape										
FTP (MEAT LOVER FED - plan misses target center by 208.0usft at 12464.2usft MD (12260.5 TVD, 37.3 N, 1242.8 E) - Circle (radius 50.0)	0.00	0.00	12,415.0	176.5	1,242.2	477,841.40	723,214.30	32° 18' 41.883 N	103° 36' 38.984 W	
LTP (MEAT LOVER FED - plan misses target center by 6.4usft at 28000.0usft MD (12415.0 TVD, -15458.6 N, 1360.3 E) - Circle (radius 50.0)	90.00	179.58	12,415.0	-15,465.0	1,360.3	462,199.90	723,332.40	32° 16' 7.095 N	103° 36' 38.835 W	
PBHL (MEAT LOVER FE - plan hits target center - Rectangle (sides W100.0 H15,691.9 D20.0)	0.00	359.57	12,415.0	-15,515.0	1,360.7	462,149.90	723,332.80	32° 16' 6.600 N	103° 36' 38.835 W	

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

CONDITIONS

Action 289114

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 289114
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
pkautz	Requires NSP order before well can be produced.	1/17/2024