

Form 3160-5
(June 2019)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2021**SUNDRY NOTICES AND REPORTS ON WELLS**
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No. NMNM138834

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator
COG OPERATING LLC

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

3b. Phone No. (include area code)
(432) 683-74434. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEC 3/T26S/R29E/NMP

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

8. Well Name and No. ROCK JELLY FEDERAL COM/704H

9. API Well No. 3001547580

10. Field and Pool or Exploratory Area
BOBCAT DRAW; UPPER WOLFCAMP/PURPLE SAGE11. Country or Parish, State
EDDY/NM

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

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

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat 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 performed 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 recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

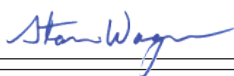
COG Operating requests a revision to our approved APD for this well to reflect a change in BHL.

Change the BHL to: 200' FSL & 750' FWL SWSW 15-26S-29E Eddy Co.

Revised drill and directional plans attached.

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

Signature



Date

03/15/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Petroleum Engineer
Title07/26/2022
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 CARLSBAD

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

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENW / 350 FNL / 1500 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078004 / LONG: -103.975866 (TVD: 0 feet, MD: 0 feet)

PPP: NENW / 1 FNL / 1485 FWL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.064303 / LONG: -103.975781 (TVD: 10092 feet, MD: 15200 feet)

PPP: SESW / 1 FSL / 1485 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.064303 / LONG: -103.975781 (TVD: 10092 feet, MD: 15200 feet)

PPP: NENW / 330 FNL / 1485 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078059 / LONG: -103.975916 (TVD: 10046 feet, MD: 10176 feet)

BHL: SESW / 200 FSL / 1485 FWL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.050181 / LONG: -103.975642 (TVD: 10074 feet, MD: 20291 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 30-015-47580	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 329756	Property Name ROCK JELLY FEDERAL COM	Well Number 704H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2978.4'

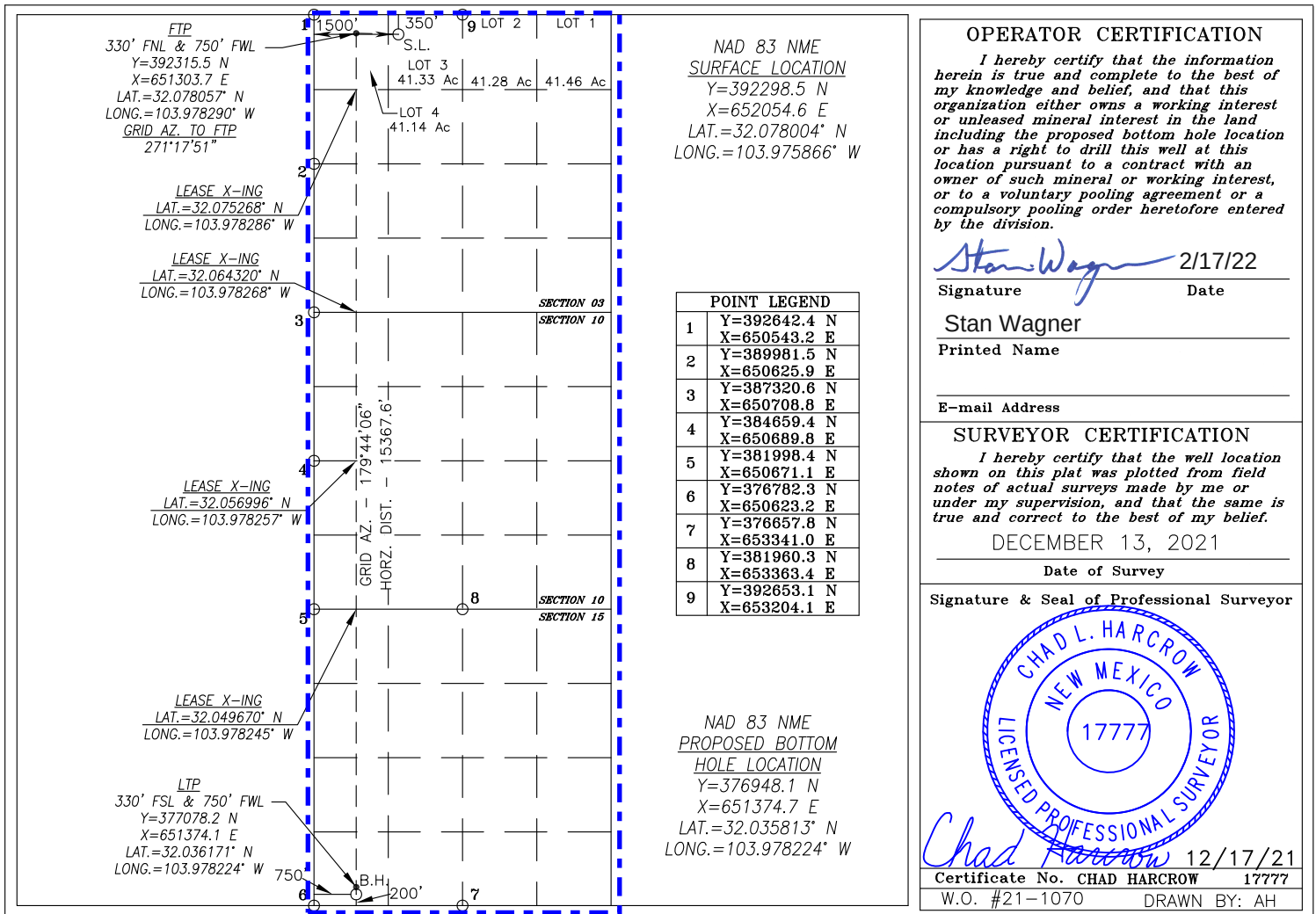
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	3	26-S	29-E		350	NORTH	1500	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	26-S	29-E		200	SOUTH	750	WEST	EDDY
Dedicated Acres 1920	Joint or Infill	Consolidation Code	Order No.						

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



COG Operating, LLC - Rock Jelly Federal Com 704H

1. Geologic Formations

TVD of target	10,313' EOL	Pilot hole depth	NA
MD at TD:	25,741'	Deepest expected fresh water:	78'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	513	Water	
Top of Salt	658	Salt	
Base of Salt	2781	Salt	
Lamar	3007	Salt Water	
Bell Canyon	3049	Salt Water	
Cherry Canyon	3906	Oil/Gas	
Brushy Canyon	5196	Oil/Gas	
Bone Spring Lime	6763	Oil/Gas	
1st Bone Spring Sand	7701	Oil/Gas	
2nd Bone Spring Sand	8303	Oil/Gas	
3rd Bone Spring Sand	9598	Oil/Gas	
Wolfcamp A	9963	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	650	10.75"	45.5	N80	BTC	8.30	2.02	35.16	37.09
9.875"	0	7000	7.625"	29.7	HCL80	BTC	1.90	1.29	3.49	3.53
8.750"	7000	9700	7.625"	29.7	P110 RY	W 513	1.62	1.72	3.26	1.96
6.75"	0	9200	5.5"	23	P110 RY	TXP BTC	2.43	2.87	3.45	3.42
6.75"	9200	25,741	5.5"	23	P110 RY	W441	2.42	2.91	3.49	3.17
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" talon casing will be run back 200' into the intermediate casing to ensure the coupling OD clearance is greater than .422" for the cement bond tie in.

COG Operating, LLC - Rock Jelly Federal Com 704H

	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?	

COG Operating, LLC - Rock Jelly Federal Com 704H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	310	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	690	10.3	3.3	22	24	Halliburton tunded light
	250	14.8	1.35	6.6	8	Tail: Class H
Prod	427	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1560	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	9,200'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Rock Jelly Federal Com 704H

4. Pressure Control Equipment

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

COG Operating, LLC - Rock Jelly Federal Com 704H

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
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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	

COG Operating, LLC - Rock Jelly Federal Com 704H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6705 psi at 10313' TVD
Abnormal Temperature	NO 160 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 WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #704H

OWB

PWP1

Anticollision Report

18 January, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
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:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	1/18/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	9,721.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
9,721.0	25,741.6	PWP1 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ADMIRAL FEDERAL PROJECT (ATLAS 2529)						
GEHRIG FEDERAL #5H - OWB - AWP	7,397.1	7,204.6	975.2	960.1	64.498	CC
GEHRIG FEDERAL #5H - OWB - AWP	7,400.0	7,206.1	975.2	960.1	64.457	ES
GEHRIG FEDERAL #5H - OWB - AWP	7,600.0	7,298.0	987.6	971.5	61.483	SF
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #703H - OWB - PWP1	1,916.6	1,916.8	30.1	23.6	4.606	CC
ROCK JELLY FED COM #703H - OWB - PWP1	2,000.0	2,000.0	30.1	23.5	4.574	ES, SF
ROCK JELLY FED COM #705H - OWB - PWP1	2,000.0	1,999.9	30.0	23.4	4.558	CC
ROCK JELLY FED COM #705H - OWB - PWP1	2,100.0	2,098.9	30.0	23.4	4.525	ES
ROCK JELLY FED COM #705H - OWB - PWP1	25,741.6	25,505.0	488.9	225.6	1.857	Advise and Monitor, SF
ROCK JELLY FED COM #710H - OWB - PWP1	2,000.0	2,000.0	54.8	47.4	7.336	CC, ES, SF
ROCK JELLY FED COM #711H - OWB - PWP1	2,000.0	1,999.9	44.9	37.0	5.701	CC, ES
ROCK JELLY FED COM #711H - OWB - PWP1	25,741.6	25,721.8	840.1	570.5	3.116	SF
ROCK JELLY FED COM #712H - OWB - PWP1	2,262.4	2,261.8	52.0	44.0	6.455	CC, ES
ROCK JELLY FED COM #712H - OWB - PWP1	25,741.6	25,476.5	478.6	214.1	1.809	Advise and Monitor, SF

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	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
Offset Well - Wellbore - Design						
ADMIRAL FEDERAL PROJECT (ATLAS 2529)						
GEHRIG FEDERAL #5H - OWB - AWP	25,741.6	7,026.0				Out of Range @TD
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #703H - OWB - PWP1	25,741.6	25,795.4				Out of Range @TD
ROCK JELLY FED COM #705H - OWB - PWP1	25,741.6	25,505.0	488.9	225.6	1.857	Advise and Monitor, SF
ROCK JELLY FED COM #710H - OWB - PWP1	25,741.6	25,504.6				Out of Range @TD
ROCK JELLY FED COM #711H - OWB - PWP1	25,741.6	25,721.8	840.1	570.5	3.116	SF
ROCK JELLY FED COM #712H - OWB - PWP1	25,741.6	25,476.5	478.6	214.1	1.809	Advise and Monitor, SF

Offset Design: ADMIRAL FEDERAL PROJECT (ATLAS 2529) - GEHRIG FEDERAL #5H - OWB - AWP													Offset Site Error: 0.0 usft	
Survey Program: 100-Standard Keeper 104, 6901-MWD		Reference Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned: Distance				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
7,100.0	7,053.0	7,000.5	6,998.6	8.9	6.8	-23.43	158.5	-1,634.7	993.9	979.4	14.46	68.739		
7,200.0	7,152.0	7,085.2	7,080.3	9.1	7.0	-22.44	179.7	-1,638.3	983.9	969.3	14.63	67.274		
7,300.0	7,251.0	7,143.1	7,133.5	9.2	7.1	-21.29	202.0	-1,642.8	977.5	962.7	14.83	65.930		
7,397.1	7,347.2	7,204.6	7,187.0	9.3	7.3	-19.70	231.6	-1,649.1	975.2	960.1	15.12	64.498	CC	
7,400.0	7,350.0	7,206.1	7,188.3	9.3	7.3	-19.66	232.4	-1,649.3	975.2	960.1	15.13	64.457	ES	
7,500.0	7,449.1	7,256.6	7,229.2	9.5	7.5	-18.07	261.4	-1,655.8	978.2	962.7	15.54	62.952		
7,580.3	7,528.6	7,290.1	7,254.4	9.6	7.6	-16.89	282.8	-1,660.8	985.2	969.2	15.95	61.766		
7,600.0	7,548.1	7,298.0	7,260.1	9.6	7.7	-16.61	288.1	-1,662.1	987.6	971.5	16.06	61.483	SF	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #703H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9730-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.2	0.2	3.0	3.0	89.62	0.2	30.1	30.1				
100.0	100.0	100.2	100.2	3.0	3.0	89.62	0.2	30.1	30.1	24.1	6.00	5.017	
200.0	200.0	200.2	200.2	3.0	3.0	89.62	0.2	30.1	30.1	24.1	6.00	5.014	
300.0	300.0	300.2	300.2	3.0	3.0	89.62	0.2	30.1	30.1	24.1	6.01	5.009	
400.0	400.0	400.2	400.2	3.0	3.0	89.62	0.2	30.1	30.1	24.1	6.02	5.001	
500.0	500.0	500.2	500.2	3.1	3.1	89.62	0.2	30.1	30.1	24.1	6.03	4.991	
600.0	600.0	600.2	600.2	3.1	3.1	89.62	0.2	30.1	30.1	24.1	6.05	4.978	
700.0	700.0	700.2	700.2	3.1	3.1	89.62	0.2	30.1	30.1	24.0	6.07	4.962	
800.0	800.0	800.2	800.2	3.2	3.2	89.62	0.2	30.1	30.1	24.0	6.09	4.944	
900.0	900.0	900.2	900.2	3.2	3.2	89.62	0.2	30.1	30.1	24.0	6.11	4.924	
1,000.0	1,000.0	1,000.2	1,000.2	3.2	3.2	89.62	0.2	30.1	30.1	24.0	6.14	4.901	
1,100.0	1,100.0	1,100.2	1,100.2	3.3	3.3	89.62	0.2	30.1	30.1	23.9	6.17	4.877	
1,200.0	1,200.0	1,200.2	1,200.2	3.4	3.4	89.62	0.2	30.1	30.1	23.9	6.21	4.850	
1,300.0	1,300.0	1,300.2	1,300.2	3.4	3.4	89.62	0.2	30.1	30.1	23.9	6.24	4.821	
1,400.0	1,400.0	1,400.2	1,400.2	3.5	3.5	89.62	0.2	30.1	30.1	23.8	6.28	4.790	
1,500.0	1,500.0	1,500.2	1,500.2	3.5	3.5	89.62	0.2	30.1	30.1	23.8	6.33	4.758	
1,600.0	1,600.0	1,600.2	1,600.2	3.6	3.6	89.62	0.2	30.1	30.1	23.7	6.37	4.723	
1,700.0	1,700.0	1,700.2	1,700.2	3.7	3.7	89.62	0.2	30.1	30.1	23.7	6.42	4.688	
1,800.0	1,800.0	1,800.2	1,800.2	3.8	3.8	89.62	0.2	30.1	30.1	23.6	6.47	4.651	
1,900.0	1,900.0	1,900.2	1,900.2	3.9	3.9	89.62	0.2	30.1	30.1	23.6	6.53	4.613	
1,916.6	1,916.6	1,916.8	1,916.8	3.9	3.9	89.62	0.2	30.1	30.1	23.6	6.53	4.606 CC	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	89.62	0.2	30.1	30.1	23.5	6.58	4.574 ES, SF	
2,100.0	2,100.0	2,099.1	2,099.1	4.0	4.0	160.38	0.7	31.7	33.4	26.8	6.64	5.032	
2,200.0	2,199.8	2,197.3	2,197.2	4.1	4.0	160.68	2.2	36.6	43.3	36.6	6.70	6.458	
2,300.0	2,299.5	2,294.3	2,293.8	4.1	4.1	160.94	4.6	44.6	59.7	52.9	6.77	8.812	
2,400.0	2,398.7	2,389.5	2,388.3	4.2	4.1	161.09	7.9	55.4	82.4	75.6	6.84	12.039	
2,500.0	2,497.7	2,485.7	2,483.5	4.2	4.2	161.24	11.7	68.2	108.6	101.7	6.93	15.661	
2,600.0	2,596.8	2,582.2	2,579.1	4.3	4.3	161.34	15.6	81.1	134.8	127.8	7.03	19.169	
2,700.0	2,695.8	2,678.7	2,674.7	4.3	4.3	161.40	19.5	93.9	161.0	153.9	7.14	22.557	
2,800.0	2,794.8	2,775.2	2,770.2	4.4	4.4	161.45	23.4	106.8	187.3	180.0	7.25	25.821	
2,900.0	2,893.8	2,871.7	2,865.8	4.5	4.4	161.48	27.3	119.6	213.5	206.1	7.37	28.958	
3,000.0	2,992.9	2,968.2	2,961.3	4.6	4.5	161.51	31.2	132.5	239.7	232.2	7.50	31.968	
3,100.0	3,091.9	3,064.7	3,056.9	4.6	4.6	161.53	35.1	145.3	265.9	258.3	7.63	34.850	
3,200.0	3,190.9	3,161.2	3,152.5	4.7	4.7	161.55	39.0	158.2	292.2	284.4	7.77	37.605	
3,300.0	3,289.9	3,257.7	3,248.0	4.8	4.7	161.56	42.9	171.0	318.4	310.5	7.91	40.236	
3,400.0	3,389.0	3,354.2	3,343.6	4.9	4.8	161.57	46.7	183.9	344.6	336.5	8.06	42.745	
3,500.0	3,488.0	3,450.7	3,439.2	5.0	4.9	161.58	50.6	196.7	370.8	362.6	8.22	45.135	
3,600.0	3,587.0	3,547.2	3,534.7	5.0	5.0	161.59	54.5	209.6	397.1	388.7	8.38	47.409	
3,700.0	3,686.0	3,643.7	3,630.3	5.1	5.1	161.60	58.4	222.4	423.3	414.7	8.54	49.572	
3,800.0	3,785.1	3,740.2	3,725.8	5.2	5.1	161.61	62.3	235.3	449.5	440.8	8.71	51.628	
3,900.0	3,884.1	3,836.7	3,821.4	5.3	5.2	161.61	66.2	248.2	475.7	466.8	8.88	53.582	
4,000.0	3,983.1	3,933.2	3,917.0	5.4	5.3	161.62	70.1	261.0	501.9	492.9	9.05	55.437	
4,100.0	4,082.2	4,029.7	4,012.5	5.5	5.4	161.62	74.0	273.9	528.2	518.9	9.23	57.198	
4,200.0	4,181.2	4,126.2	4,108.1	5.6	5.5	161.63	77.9	286.7	554.4	545.0	9.42	58.869	
4,300.0	4,280.2	4,222.7	4,203.6	5.7	5.6	161.63	81.8	299.6	580.6	571.0	9.60	60.456	
4,400.0	4,379.2	4,319.2	4,299.2	5.8	5.7	161.64	85.7	312.4	606.8	597.0	9.79	61.961	
4,500.0	4,478.3	4,415.7	4,394.8	5.9	5.8	161.64	89.5	325.3	633.1	623.1	9.99	63.389	
4,600.0	4,577.3	4,512.2	4,490.3	6.0	5.9	161.64	93.4	338.1	659.3	649.1	10.18	64.745	
4,700.0	4,676.3	4,608.7	4,585.9	6.1	6.0	161.65	97.3	351.0	685.5	675.1	10.38	66.032	
4,800.0	4,775.3	4,705.2	4,681.4	6.2	6.1	161.65	101.2	363.8	711.7	701.2	10.58	67.253	
4,900.0	4,874.4	4,801.7	4,777.0	6.3	6.2	161.65	105.1	376.7	738.0	727.2	10.79	68.413	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #703H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9730-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Rule Assigned:										
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance Between Centres		Minimum Separation	Separation Factor	Warning
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	(usft)		
5,000.0	4,973.4	4,898.2	4,872.6	6.5	6.3	161.66	109.0	389.6	764.2	753.2	10.99	69.514	
5,100.0	5,072.4	4,994.7	4,968.1	6.6	6.4	161.66	112.9	402.4	790.4	779.2	11.20	70.560	
5,200.0	5,171.5	5,091.2	5,063.7	6.7	6.5	161.66	116.8	415.3	816.6	805.2	11.41	71.553	
5,300.0	5,270.5	5,187.7	5,159.3	6.8	6.6	161.66	120.7	428.1	842.8	831.2	11.63	72.497	
5,400.0	5,369.5	5,284.2	5,254.8	6.9	6.7	161.66	124.6	441.0	869.1	857.2	11.84	73.394	
5,500.0	5,468.5	5,380.7	5,350.4	7.0	6.8	161.67	128.5	453.8	895.3	883.2	12.06	74.247	
5,600.0	5,567.6	5,477.2	5,445.9	7.1	7.0	161.67	132.3	466.7	921.5	909.2	12.28	75.058	
5,700.0	5,666.6	5,573.7	5,541.5	7.2	7.1	161.67	136.2	479.5	947.7	935.2	12.50	75.830	
5,800.0	5,765.6	5,670.2	5,637.1	7.4	7.2	161.67	140.1	492.4	974.0	961.2	12.72	76.564	

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

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Page 5

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9626-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning	
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Separation (usft)	Factor		
0.0	0.0	0.0	0.0	3.0	3.0	-90.19	-0.1	-30.0	30.0					
100.0	100.0	99.9	99.9	3.0	3.0	-90.19	-0.1	-30.0	30.0	24.0	6.00	5.000		
200.0	200.0	199.9	199.9	3.0	3.0	-90.19	-0.1	-30.0	30.0	24.0	6.00	4.997		
300.0	300.0	299.9	299.9	3.0	3.0	-90.19	-0.1	-30.0	30.0	24.0	6.01	4.992		
400.0	400.0	399.9	399.9	3.0	3.0	-90.19	-0.1	-30.0	30.0	24.0	6.02	4.985		
500.0	500.0	499.9	499.9	3.1	3.1	-90.19	-0.1	-30.0	30.0	24.0	6.03	4.974		
600.0	600.0	599.9	599.9	3.1	3.1	-90.19	-0.1	-30.0	30.0	24.0	6.05	4.961		
700.0	700.0	699.9	699.9	3.1	3.1	-90.19	-0.1	-30.0	30.0	23.9	6.07	4.946		
800.0	800.0	799.9	799.9	3.2	3.2	-90.19	-0.1	-30.0	30.0	23.9	6.09	4.928		
900.0	900.0	899.9	899.9	3.2	3.2	-90.19	-0.1	-30.0	30.0	23.9	6.11	4.908		
1,000.0	1,000.0	999.9	999.9	3.2	3.2	-90.19	-0.1	-30.0	30.0	23.9	6.14	4.885		
1,100.0	1,100.0	1,099.9	1,099.9	3.3	3.3	-90.19	-0.1	-30.0	30.0	23.8	6.17	4.860		
1,200.0	1,200.0	1,199.9	1,199.9	3.4	3.4	-90.19	-0.1	-30.0	30.0	23.8	6.21	4.834		
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	-90.19	-0.1	-30.0	30.0	23.8	6.24	4.805		
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	-90.19	-0.1	-30.0	30.0	23.7	6.28	4.774		
1,500.0	1,500.0	1,499.9	1,499.9	3.5	3.5	-90.19	-0.1	-30.0	30.0	23.7	6.33	4.742		
1,600.0	1,600.0	1,599.9	1,599.9	3.6	3.6	-90.19	-0.1	-30.0	30.0	23.6	6.37	4.708		
1,700.0	1,700.0	1,699.9	1,699.9	3.7	3.7	-90.19	-0.1	-30.0	30.0	23.6	6.42	4.672		
1,800.0	1,800.0	1,799.9	1,799.9	3.8	3.8	-90.19	-0.1	-30.0	30.0	23.5	6.47	4.635		
1,900.0	1,900.0	1,899.9	1,899.9	3.9	3.9	-90.19	-0.1	-30.0	30.0	23.5	6.53	4.597		
2,000.0	2,000.0	1,999.9	1,999.9	3.9	3.9	-90.19	-0.1	-30.0	30.0	23.4	6.58	4.558 CC		
2,100.0	2,100.0	2,098.9	2,098.9	4.0	4.0	-19.96	0.3	-31.7	30.0	23.4	6.64	4.525 ES		
2,200.0	2,199.8	2,197.9	2,197.7	4.1	4.0	-21.11	1.4	-36.7	30.2	23.5	6.70	4.505		
2,300.0	2,299.5	2,296.9	2,296.3	4.1	4.1	-23.01	3.2	-45.0	30.4	23.7	6.75	4.504		
2,400.0	2,398.7	2,395.8	2,394.6	4.2	4.1	-25.60	5.8	-56.7	30.8	24.0	6.81	4.525		
2,500.0	2,497.7	2,494.8	2,492.3	4.2	4.2	-27.38	9.1	-71.6	33.0	26.1	6.87	4.798		
2,600.0	2,596.8	2,594.6	2,590.7	4.3	4.2	-27.84	12.9	-88.5	36.9	30.0	6.95	5.311		
2,700.0	2,695.8	2,694.6	2,689.1	4.3	4.3	-28.21	16.6	-105.5	40.8	33.8	7.03	5.808		
2,800.0	2,794.8	2,794.5	2,787.5	4.4	4.4	-28.52	20.4	-122.4	44.8	37.7	7.13	6.287		
2,900.0	2,893.8	2,894.4	2,885.9	4.5	4.4	-28.77	24.2	-139.4	48.7	41.5	7.22	6.747		
3,000.0	2,992.9	2,994.3	2,984.3	4.6	4.5	-28.99	27.9	-156.3	52.7	45.4	7.33	7.188		
3,100.0	3,091.9	3,094.3	3,082.7	4.6	4.6	-29.18	31.7	-173.2	56.6	49.2	7.44	7.611		
3,200.0	3,190.9	3,194.2	3,181.1	4.7	4.7	-29.34	35.4	-190.2	60.6	53.0	7.56	8.014		
3,300.0	3,289.9	3,294.1	3,279.5	4.8	4.7	-29.48	39.2	-207.1	64.6	56.9	7.69	8.398		
3,400.0	3,389.0	3,394.0	3,377.9	4.9	4.8	-29.61	43.0	-224.0	68.5	60.7	7.82	8.763		
3,500.0	3,488.0	3,493.9	3,476.3	5.0	4.9	-29.72	46.7	-241.0	72.5	64.5	7.95	9.109		
3,600.0	3,587.0	3,593.9	3,574.7	5.0	5.0	-29.82	50.5	-257.9	76.4	68.3	8.10	9.437		
3,700.0	3,686.0	3,693.8	3,673.1	5.1	5.1	-29.91	54.2	-274.9	80.4	72.1	8.24	9.747		
3,800.0	3,785.1	3,793.7	3,771.5	5.2	5.2	-29.99	58.0	-291.8	84.3	75.9	8.40	10.041		
3,900.0	3,884.1	3,893.6	3,869.9	5.3	5.3	-30.07	61.8	-308.7	88.3	79.7	8.56	10.318		
4,000.0	3,983.1	3,993.6	3,968.3	5.4	5.4	-30.14	65.5	-325.7	92.2	83.5	8.72	10.579		
4,100.0	4,082.2	4,093.5	4,066.7	5.5	5.5	-30.20	69.3	-342.6	96.2	87.3	8.88	10.825		
4,200.0	4,181.2	4,193.4	4,165.1	5.6	5.6	-30.26	73.0	-359.6	100.1	91.1	9.06	11.057		
4,300.0	4,280.2	4,293.3	4,263.5	5.7	5.7	-30.31	76.8	-376.5	104.1	94.9	9.23	11.275		
4,400.0	4,379.2	4,393.2	4,361.9	5.8	5.8	-30.36	80.6	-393.4	108.0	98.6	9.41	11.480		
4,500.0	4,478.3	4,493.2	4,460.3	5.9	5.9	-30.41	84.3	-410.4	112.0	102.4	9.59	11.673		
4,600.0	4,577.3	4,593.1	4,558.8	6.0	6.0	-30.45	88.1	-427.3	115.9	106.2	9.78	11.854		
4,700.0	4,676.3	4,693.0	4,657.2	6.1	6.1	-30.49	91.8	-444.3	119.9	109.9	9.97	12.024		
4,800.0	4,775.3	4,792.9	4,755.6	6.2	6.2	-30.53	95.6	-461.2	123.9	113.7	10.17	12.184		
4,900.0	4,874.4	4,892.8	4,854.0	6.3	6.3	-30.56	99.4	-478.1	127.8	117.5	10.36	12.333		
5,000.0	4,973.4	4,992.8	4,952.4	6.5	6.4	-30.60	103.1	-495.1	131.8	121.2	10.56	12.474		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9626-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)			
5,100.0	5,072.4	5,092.7	5,050.8	6.6	6.6	-30.63	106.9	-512.0	135.7	125.0	10.77	12.606	
5,200.0	5,171.5	5,192.6	5,149.2	6.7	6.7	-30.66	110.6	-529.0	139.7	128.7	10.97	12.729	
5,300.0	5,270.5	5,292.5	5,247.6	6.8	6.8	-30.68	114.4	-545.9	143.6	132.5	11.18	12.845	
5,400.0	5,369.5	5,392.5	5,346.0	6.9	6.9	-30.71	118.2	-562.8	147.6	136.2	11.39	12.954	
5,500.0	5,468.5	5,492.4	5,444.4	7.0	7.0	-30.74	121.9	-579.8	151.5	139.9	11.61	13.056	
5,600.0	5,567.6	5,592.3	5,542.8	7.1	7.2	-30.76	125.7	-596.7	155.5	143.7	11.82	13.152	
5,700.0	5,666.6	5,692.2	5,641.2	7.2	7.3	-30.78	129.4	-613.6	159.5	147.4	12.04	13.241	
5,800.0	5,765.6	5,792.1	5,739.6	7.4	7.4	-30.80	133.2	-630.6	163.4	151.1	12.26	13.325	
5,900.0	5,864.6	5,892.1	5,838.0	7.5	7.5	-30.82	136.9	-647.5	167.4	154.9	12.49	13.403	
6,000.0	5,963.7	5,992.0	5,936.4	7.6	7.7	-30.84	140.7	-664.5	171.3	158.6	12.71	13.477	
6,100.0	6,062.7	6,091.9	6,034.8	7.7	7.8	-30.86	144.5	-681.4	175.3	162.3	12.94	13.546	
6,200.0	6,161.7	6,191.8	6,133.2	7.8	7.9	-30.88	148.2	-698.3	179.2	166.1	13.17	13.610	
6,300.0	6,260.7	6,291.8	6,231.6	8.0	8.1	-30.90	152.0	-715.3	183.2	169.8	13.40	13.670	
6,400.0	6,359.8	6,391.7	6,330.0	8.1	8.2	-30.91	155.7	-732.2	187.1	173.5	13.63	13.727	
6,500.0	6,458.8	6,491.6	6,428.4	8.2	8.3	-30.93	159.5	-749.2	191.1	177.2	13.87	13.779	
6,600.0	6,557.8	6,591.5	6,526.8	8.3	8.5	-30.94	163.3	-766.1	195.0	180.9	14.10	13.829	
6,700.0	6,656.9	6,691.4	6,625.2	8.4	8.6	-30.96	167.0	-783.0	199.0	184.7	14.34	13.874	
6,800.0	6,755.9	6,791.4	6,723.6	8.6	8.8	-30.97	170.8	-800.0	203.0	188.4	14.58	13.917	
6,900.0	6,854.9	6,891.3	6,822.0	8.7	8.9	-30.98	174.5	-816.9	206.9	192.1	14.82	13.957	
7,000.0	6,953.9	6,991.2	6,920.4	8.8	9.1	-31.00	178.3	-833.9	210.9	195.8	15.07	13.994	
7,100.0	7,053.0	7,091.1	7,018.8	8.9	9.2	-31.01	182.1	-850.8	214.8	199.5	15.31	14.029	
7,200.0	7,152.0	7,191.0	7,117.2	9.1	9.4	-31.02	185.8	-867.7	218.8	203.2	15.56	14.061	
7,300.0	7,251.0	7,291.0	7,215.7	9.2	9.5	-31.03	189.6	-884.7	222.7	206.9	15.81	14.091	
7,400.0	7,350.0	7,390.9	7,314.1	9.3	9.7	-31.04	193.3	-901.6	226.7	210.6	16.06	14.119	
7,500.0	7,449.1	7,490.8	7,412.5	9.5	9.8	-31.05	197.1	-918.5	230.6	214.3	16.31	14.144	
7,580.3	7,528.6	7,571.0	7,491.4	9.6	9.9	-31.06	200.1	-932.1	233.8	217.3	16.51	14.163	
7,600.0	7,548.1	7,590.7	7,510.9	9.6	10.0	-31.07	200.9	-935.5	234.6	218.1	16.56	14.170	
7,700.0	7,647.3	7,690.6	7,609.2	9.7	10.1	-30.95	204.6	-952.4	239.6	222.8	16.81	14.252	
7,800.0	7,746.7	7,790.4	7,707.5	9.8	10.3	-30.64	208.4	-969.3	246.1	229.1	17.07	14.417	
7,900.0	7,846.3	7,890.0	7,805.6	10.0	10.5	-30.16	212.1	-986.2	254.1	236.8	17.33	14.662	
8,000.0	7,946.0	7,989.5	7,903.6	10.1	10.6	-29.52	215.9	-1,003.1	263.7	246.1	17.60	14.985	
8,100.0	8,045.8	8,088.8	8,001.4	10.2	10.8	-28.77	219.6	-1,019.9	274.8	256.9	17.86	15.387	
8,200.0	8,145.7	8,187.9	8,099.0	10.3	11.0	-27.92	223.3	-1,036.7	287.4	269.3	18.12	15.864	
8,300.0	8,245.7	8,286.8	8,196.3	10.4	11.1	-27.00	227.0	-1,053.5	301.7	283.3	18.39	16.411	
8,380.3	8,326.0	8,365.9	8,274.3	10.5	11.3	-96.85	230.0	-1,066.9	314.4	295.8	18.58	16.924	
8,400.0	8,345.7	8,385.4	8,293.4	10.5	11.3	-96.64	230.8	-1,070.2	317.6	299.0	18.62	17.062	
8,500.0	8,445.7	8,483.8	8,390.4	10.6	11.5	-95.67	234.5	-1,086.9	334.1	315.3	18.82	17.753	
8,600.0	8,545.7	8,585.8	8,490.9	10.7	11.6	-94.77	238.2	-1,103.9	350.4	331.4	19.02	18.425	
8,700.0	8,645.7	8,690.9	8,594.7	10.8	11.8	-94.01	241.7	-1,119.7	365.2	345.9	19.21	19.010	
8,800.0	8,745.7	8,796.6	8,699.4	10.9	12.0	-93.38	244.9	-1,133.7	378.2	358.8	19.40	19.494	
8,900.0	8,845.7	8,902.7	8,804.8	11.0	12.1	-92.88	247.6	-1,145.9	389.6	370.0	19.60	19.877	
9,000.0	8,945.7	9,009.3	8,910.9	11.1	12.3	-92.47	249.9	-1,156.3	399.2	379.4	19.80	20.160	
9,100.0	9,045.7	9,116.3	9,017.5	11.2	12.4	-92.16	251.7	-1,164.7	407.0	387.0	20.00	20.344	
9,200.0	9,145.7	9,223.5	9,124.5	11.3	12.5	-91.92	253.2	-1,171.2	413.0	392.8	20.22	20.429	
9,300.0	9,245.7	9,330.9	9,231.8	11.4	12.6	-91.76	254.2	-1,175.8	417.2	396.8	20.43	20.418	
9,400.0	9,345.7	9,438.5	9,339.4	11.5	12.6	-91.67	254.8	-1,178.3	419.6	398.9	20.66	20.313	
9,500.0	9,445.7	9,544.7	9,445.6	11.6	12.7	-91.65	254.9	-1,179.0	420.2	399.3	20.85	20.152	
9,578.3	9,524.0	9,623.0	9,523.9	11.7	12.8	-91.79	253.9	-1,179.0	420.2	399.3	20.90	20.101	
9,600.0	9,545.7	9,644.7	9,545.4	11.7	12.9	-92.02	252.2	-1,178.9	420.2	399.3	20.90	20.101	
9,700.0	9,645.7	9,741.3	9,640.4	11.8	13.0	-94.39	234.8	-1,178.4	420.6	399.8	20.81	20.212	
9,794.4	9,740.1	9,825.3	9,719.5	11.9	13.0	-98.16	207.0	-1,177.5	423.3	402.5	20.80	20.352	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9626-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
9,800.0	9,745.7	9,829.9	9,723.8	11.9	13.0	83.34	205.1	-1,177.4	423.6	402.8	20.80	20.364	
9,850.0	9,795.6	9,871.4	9,760.9	11.9	13.0	80.87	186.8	-1,176.9	426.5	405.6	20.86	20.445	
9,900.0	9,845.1	9,911.8	9,795.9	11.9	13.1	78.50	166.5	-1,176.2	430.1	409.1	21.01	20.471	
9,950.0	9,893.8	9,950.0	9,827.5	11.9	13.1	76.29	145.0	-1,175.6	434.3	413.1	21.28	20.408	
10,000.0	9,941.3	9,990.3	9,859.2	11.9	13.1	74.06	120.2	-1,174.8	439.0	417.4	21.60	20.325	
10,050.0	9,987.3	10,028.6	9,887.6	12.0	13.2	72.03	94.6	-1,174.0	444.0	422.0	22.03	20.154	
10,100.0	10,031.4	10,066.3	9,913.8	12.0	13.2	70.14	67.6	-1,173.2	449.2	426.6	22.54	19.928	
10,150.0	10,073.3	10,100.0	9,935.8	12.0	13.2	68.50	42.0	-1,172.4	454.4	431.2	23.19	19.594	
10,200.0	10,112.7	10,140.2	9,959.9	12.1	13.3	66.79	9.9	-1,171.4	459.5	435.8	23.74	19.360	
10,250.0	10,149.2	10,176.5	9,979.8	12.1	13.3	65.34	-20.6	-1,170.4	464.5	440.1	24.39	19.043	
10,300.0	10,182.6	10,212.5	9,997.5	12.2	13.4	64.04	-51.9	-1,169.4	469.2	444.1	25.06	18.720	
10,350.0	10,212.6	10,250.0	10,013.8	12.3	13.4	62.87	-85.6	-1,168.4	473.6	447.9	25.70	18.424	
10,400.0	10,239.1	10,283.8	10,026.5	12.3	13.5	61.92	-116.8	-1,167.4	477.5	451.1	26.40	18.083	
10,450.0	10,261.7	10,319.0	10,037.9	12.4	13.5	61.09	-150.2	-1,166.4	480.9	453.8	27.05	17.780	
10,500.0	10,280.4	10,350.0	10,046.1	12.5	13.5	60.46	-180.1	-1,165.4	483.8	456.0	27.72	17.453	
10,550.0	10,295.0	10,389.2	10,054.3	12.5	13.6	59.89	-218.4	-1,164.2	486.0	457.8	28.22	17.222	
10,600.0	10,305.3	10,424.1	10,059.3	12.6	13.6	59.53	-252.9	-1,163.2	487.6	458.9	28.74	16.968	
10,650.0	10,311.3	10,458.9	10,062.2	12.7	13.6	59.31	-287.6	-1,162.1	488.6	459.4	29.20	16.734	
10,697.1	10,313.1	10,491.8	10,063.0	12.7	13.7	59.24	-320.4	-1,161.1	488.9	459.3	29.57	16.530	
10,700.0	10,313.0	10,494.6	10,062.9	12.7	13.7	59.24	-323.2	-1,161.0	488.9	459.3	29.59	16.521	
10,800.0	10,312.6	10,594.6	10,062.5	12.9	13.7	59.24	-423.2	-1,157.8	488.9	458.7	30.19	16.194	
10,900.0	10,312.1	10,694.6	10,062.0	13.2	13.9	59.24	-523.1	-1,154.7	488.8	458.0	30.86	15.840	
11,000.0	10,311.6	10,794.6	10,061.5	13.5	14.1	59.24	-623.1	-1,151.6	488.8	457.2	31.61	15.463	
11,100.0	10,311.2	10,894.6	10,061.1	13.9	14.4	59.24	-723.0	-1,148.5	488.8	456.4	32.43	15.072	
11,200.0	10,310.7	10,994.6	10,060.6	14.4	14.9	59.24	-823.0	-1,145.4	488.8	455.5	33.32	14.671	
11,300.0	10,310.2	11,094.6	10,060.1	14.9	15.4	59.24	-922.9	-1,142.3	488.8	454.5	34.26	14.266	
11,400.0	10,309.8	11,194.6	10,059.7	15.4	16.0	59.24	-1,022.9	-1,139.1	488.8	453.5	35.26	13.861	
11,500.0	10,309.3	11,294.6	10,059.2	16.0	16.6	59.24	-1,122.8	-1,136.0	488.8	452.5	36.31	13.460	
11,600.0	10,308.8	11,394.6	10,058.8	16.7	17.2	59.24	-1,222.8	-1,132.9	488.8	451.3	37.41	13.065	
11,700.0	10,308.4	11,494.6	10,058.3	17.3	17.9	59.24	-1,322.7	-1,129.8	488.7	450.2	38.55	12.678	
11,800.0	10,307.9	11,594.6	10,057.8	18.0	18.5	59.24	-1,422.7	-1,126.7	488.7	449.0	39.73	12.302	
11,900.0	10,307.4	11,694.6	10,057.4	18.7	19.2	59.24	-1,522.6	-1,123.5	488.7	447.8	40.94	11.937	
12,000.0	10,307.0	11,794.6	10,056.9	19.4	19.9	59.24	-1,622.6	-1,120.4	488.7	446.5	42.19	11.585	
12,100.0	10,306.5	11,894.6	10,056.4	20.2	20.6	59.24	-1,722.5	-1,117.3	488.7	445.2	43.46	11.245	
12,200.0	10,306.0	11,994.6	10,056.0	20.9	21.4	59.24	-1,822.5	-1,114.2	488.7	443.9	44.76	10.917	
12,300.0	10,305.6	12,094.6	10,055.5	21.7	22.1	59.24	-1,922.4	-1,111.1	488.7	442.6	46.09	10.603	
12,400.0	10,305.1	12,194.6	10,055.0	22.4	22.9	59.23	-2,022.4	-1,108.0	488.7	441.2	47.44	10.301	
12,500.0	10,304.6	12,294.6	10,054.6	23.2	23.6	59.23	-2,122.3	-1,104.8	488.7	439.8	48.81	10.012	
12,600.0	10,304.2	12,394.6	10,054.1	24.0	24.4	59.23	-2,222.3	-1,101.7	488.6	438.4	50.20	9.735	
12,700.0	10,303.7	12,494.6	10,053.6	24.7	25.1	59.23	-2,322.2	-1,098.6	488.6	437.0	51.60	9.469	
12,800.0	10,303.2	12,594.6	10,053.2	25.5	25.9	59.23	-2,422.2	-1,095.5	488.6	435.6	53.02	9.215	
12,900.0	10,302.8	12,694.6	10,052.7	26.3	26.7	59.23	-2,522.1	-1,092.4	488.6	434.1	54.46	8.972	
13,000.0	10,302.3	12,794.6	10,052.2	27.1	27.5	59.23	-2,622.1	-1,089.2	488.6	432.7	55.91	8.739	
13,100.0	10,301.8	12,894.6	10,051.8	27.9	28.3	59.23	-2,722.0	-1,086.1	488.6	431.2	57.38	8.515	
13,200.0	10,301.4	12,994.6	10,051.3	28.7	29.1	59.23	-2,822.0	-1,083.0	488.6	429.7	58.85	8.302	
13,300.0	10,300.9	13,094.6	10,050.8	29.5	29.9	59.23	-2,921.9	-1,079.9	488.6	428.2	60.34	8.097	
13,400.0	10,300.4	13,194.6	10,050.4	30.3	30.7	59.23	-3,021.9	-1,076.8	488.5	426.7	61.83	7.901	
13,500.0	10,299.9	13,294.6	10,049.9	31.1	31.5	59.23	-3,121.8	-1,073.7	488.5	425.2	63.34	7.713	
13,600.0	10,299.5	13,394.6	10,049.5	31.9	32.3	59.23	-3,221.8	-1,070.5	488.5	423.7	64.85	7.533	
13,700.0	10,299.0	13,494.6	10,049.0	32.8	33.1	59.23	-3,321.7	-1,067.4	488.5	422.1	66.38	7.360	
13,800.0	10,298.5	13,594.6	10,048.5	33.6	33.9	59.23	-3,421.7	-1,064.3	488.5	420.6	67.91	7.194	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1													Offset Site Error:	0.0 usft	
Survey Program:		0-Standard Keeper 104, 9626-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 usft
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			
13,900.0	10,298.1	13,694.6	10,048.1	34.4	34.7	59.23	-3,521.6	-1,061.2	488.5	419.0	69.44	7.034			
14,000.0	10,297.6	13,794.6	10,047.6	35.2	35.5	59.23	-3,621.6	-1,058.1	488.5	417.5	70.99	6.881			
14,100.0	10,297.1	13,894.6	10,047.1	36.1	36.3	59.23	-3,721.5	-1,054.9	488.5	415.9	72.54	6.734			
14,200.0	10,296.7	13,994.6	10,046.7	36.9	37.2	59.23	-3,821.5	-1,051.8	488.5	414.4	74.09	6.593			
14,300.0	10,296.2	14,094.6	10,046.2	37.7	38.0	59.23	-3,921.4	-1,048.7	488.4	412.8	75.65	6.456			
14,400.0	10,295.7	14,194.6	10,045.7	38.5	38.8	59.22	-4,021.4	-1,045.6	488.4	411.2	77.22	6.325			
14,500.0	10,295.3	14,294.6	10,045.3	39.4	39.6	59.22	-4,121.3	-1,042.5	488.4	409.6	78.79	6.199			
14,600.0	10,294.8	14,394.6	10,044.8	40.2	40.5	59.22	-4,221.3	-1,039.4	488.4	408.0	80.36	6.077			
14,700.0	10,294.3	14,494.6	10,044.3	41.0	41.3	59.22	-4,321.2	-1,036.2	488.4	406.4	81.94	5.960			
14,800.0	10,293.9	14,594.6	10,043.9	41.9	42.1	59.22	-4,421.2	-1,033.1	488.4	404.9	83.53	5.847			
14,900.0	10,293.4	14,694.6	10,043.4	42.7	43.0	59.22	-4,521.1	-1,030.0	488.4	403.3	85.12	5.738			
15,000.0	10,292.9	14,794.6	10,042.9	43.5	43.8	59.22	-4,621.1	-1,026.9	488.4	401.7	86.71	5.632			
15,100.0	10,292.5	14,894.6	10,042.5	44.4	44.6	59.22	-4,721.0	-1,023.8	488.3	400.0	88.30	5.530			
15,200.0	10,292.0	14,994.6	10,042.0	45.2	45.5	59.22	-4,821.0	-1,020.6	488.3	398.4	89.90	5.432			
15,300.0	10,291.5	15,094.6	10,041.5	46.1	46.3	59.22	-4,920.9	-1,017.5	488.3	396.8	91.50	5.337			
15,350.8	10,291.3	15,145.3	10,041.3	46.5	46.7	59.22	-4,971.6	-1,015.9	488.3	396.0	92.31	5.290			
15,372.0	10,291.2	15,164.1	10,041.2	46.7	46.9	59.22	-4,990.4	-1,015.4	488.4	395.7	92.65	5.271			
15,400.0	10,291.1	15,188.6	10,041.1	46.9	47.1	59.23	-5,014.9	-1,014.9	488.5	395.4	93.09	5.247			
15,482.5	10,290.7	15,260.8	10,040.8	47.6	47.7	59.26	-5,087.1	-1,014.6	488.7	394.3	94.36	5.179			
15,500.0	10,290.6	15,278.3	10,040.7	47.7	47.8	59.26	-5,104.6	-1,014.7	488.7	394.0	94.64	5.163			
15,600.0	10,290.1	15,378.3	10,040.2	48.6	48.7	59.26	-5,204.6	-1,015.5	488.7	392.4	96.24	5.078			
15,700.0	10,289.7	15,478.3	10,039.8	49.4	49.5	59.26	-5,304.6	-1,016.2	488.7	390.8	97.84	4.994			
15,800.0	10,289.2	15,578.3	10,039.3	50.3	50.3	59.26	-5,404.6	-1,017.0	488.7	389.2	99.45	4.914			
15,900.0	10,288.7	15,678.3	10,038.8	51.1	51.2	59.26	-5,504.6	-1,017.7	488.7	387.6	101.05	4.836			
16,000.0	10,288.3	15,778.3	10,038.4	51.9	52.0	59.26	-5,604.6	-1,018.5	488.7	386.0	102.66	4.760			
16,100.0	10,287.8	15,878.3	10,037.9	52.8	52.8	59.26	-5,704.6	-1,019.2	488.7	384.4	104.28	4.686			
16,200.0	10,287.3	15,978.3	10,037.4	53.6	53.7	59.26	-5,804.6	-1,020.0	488.7	382.8	105.89	4.615			
16,300.0	10,286.9	16,078.3	10,037.0	54.5	54.5	59.26	-5,904.6	-1,020.7	488.7	381.2	107.51	4.546			
16,400.0	10,286.4	16,178.3	10,036.5	55.3	55.4	59.26	-6,004.6	-1,021.5	488.7	379.5	109.12	4.478			
16,500.0	10,286.0	16,278.3	10,036.0	56.1	56.2	59.26	-6,104.6	-1,022.2	488.7	377.9	110.74	4.413			
16,600.0	10,285.5	16,378.3	10,035.6	57.0	57.0	59.26	-6,204.6	-1,023.0	488.7	376.3	112.36	4.349			
16,700.0	10,285.0	16,478.3	10,035.1	57.8	57.9	59.26	-6,304.6	-1,023.7	488.7	374.7	113.99	4.287			
16,800.0	10,284.6	16,578.3	10,034.6	58.7	58.7	59.26	-6,404.6	-1,024.5	488.7	373.1	115.61	4.227			
16,900.0	10,284.1	16,678.3	10,034.2	59.5	59.6	59.26	-6,504.6	-1,025.2	488.7	371.4	117.24	4.168			
17,000.0	10,283.6	16,778.3	10,033.7	60.4	60.4	59.26	-6,604.6	-1,026.0	488.7	369.8	118.86	4.111			
17,100.0	10,283.2	16,878.3	10,033.2	61.2	61.2	59.26	-6,704.6	-1,026.7	488.7	368.2	120.49	4.056			
17,200.0	10,282.7	16,978.3	10,032.8	62.1	62.1	59.26	-6,804.6	-1,027.5	488.7	366.5	122.12	4.001			
17,300.0	10,282.2	17,078.3	10,032.3	62.9	62.9	59.26	-6,904.6	-1,028.2	488.7	364.9	123.75	3.949			
17,400.0	10,281.8	17,178.3	10,031.9	63.7	63.8	59.26	-7,004.6	-1,029.0	488.7	363.3	125.39	3.897			
17,500.0	10,281.3	17,278.3	10,031.4	64.6	64.6	59.26	-7,104.6	-1,029.7	488.7	361.7	127.02	3.847			
17,600.0	10,280.8	17,378.3	10,030.9	65.4	65.5	59.26	-7,204.5	-1,030.5	488.7	360.0	128.65	3.798			
17,700.0	10,280.4	17,478.3	10,030.5	66.3	66.3	59.26	-7,304.5	-1,031.2	488.7	358.4	130.29	3.751			
17,800.0	10,279.9	17,578.3	10,030.0	67.1	67.2	59.26	-7,404.5	-1,032.0	488.7	356.7	131.93	3.704			
17,900.0	10,279.4	17,678.3	10,029.5	68.0	68.0	59.26	-7,504.5	-1,032.7	488.7	355.1	133.57	3.659			
18,000.0	10,279.0	17,778.3	10,029.1	68.8	68.8	59.26	-7,604.5	-1,033.5	488.7	353.5	135.20	3.614			
18,100.0	10,278.5	17,878.3	10,028.6	69.7	69.7	59.26	-7,704.5	-1,034.2	488.7	351.8	136.84	3.571			
18,200.0	10,278.0	17,978.3	10,028.1	70.5	70.5	59.26	-7,804.5	-1,035.0	488.7	350.2	138.49	3.529			
18,300.0	10,277.6	18,078.3	10,027.7	71.4	71.4	59.26	-7,904.5	-1,035.8	488.7	348.5	140.13	3.487			
18,400.0	10,277.1	18,178.3	10,027.2	72.2	72.2	59.26	-8,004.5	-1,036.5	488.7	346.9	141.77	3.447			
18,500.0	10,276.6	18,278.3	10,026.7	73.1	73.1	59.26	-8,104.5	-1,037.3	488.7	345.3	143.41	3.407			
18,600.0	10,276.2	18,378.3	10,026.3	73.9	73.9	59.26	-8,204.5	-1,038.0	488.7	343.6	145.06	3.369			

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9626-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
								+N/-S (usft)	+E/-W (usft)					
18,700.0	10,275.7	18,478.3	10,025.8	74.8	74.8	59.26		-8,304.5	-1,038.8	488.7	342.0	146.70	3.331	
18,800.0	10,275.2	18,578.3	10,025.3	75.6	75.6	59.26		-8,404.5	-1,039.5	488.7	340.3	148.35	3.294	
18,900.0	10,274.8	18,678.3	10,024.9	76.5	76.5	59.26		-8,504.5	-1,040.3	488.7	338.7	149.99	3.258	
19,000.0	10,274.3	18,778.3	10,024.4	77.3	77.3	59.26		-8,604.5	-1,041.0	488.7	337.0	151.64	3.223	
19,100.0	10,273.9	18,878.3	10,023.9	78.2	78.2	59.26		-8,704.5	-1,041.8	488.7	335.4	153.29	3.188	
19,200.0	10,273.4	18,978.3	10,023.5	79.0	79.0	59.26		-8,804.5	-1,042.5	488.7	333.7	154.94	3.154	
19,300.0	10,272.9	19,078.3	10,023.0	79.9	79.9	59.26		-8,904.5	-1,043.3	488.7	332.1	156.59	3.121	
19,400.0	10,272.5	19,178.3	10,022.5	80.7	80.7	59.26		-9,004.5	-1,044.0	488.7	330.4	158.23	3.088	
19,500.0	10,272.0	19,278.3	10,022.1	81.6	81.6	59.26		-9,104.5	-1,044.8	488.7	328.8	159.88	3.056	
19,600.0	10,271.5	19,378.3	10,021.6	82.4	82.4	59.26		-9,204.5	-1,045.5	488.7	327.1	161.54	3.025	
19,700.0	10,271.1	19,478.3	10,021.2	83.3	83.3	59.26		-9,304.5	-1,046.3	488.7	325.5	163.19	2.995	
19,800.0	10,270.6	19,578.3	10,020.7	84.1	84.1	59.26		-9,404.5	-1,047.0	488.7	323.8	164.84	2.965	
19,900.0	10,270.1	19,678.3	10,020.2	85.0	85.0	59.26		-9,504.5	-1,047.8	488.7	322.2	166.49	2.935	
20,000.0	10,269.7	19,778.3	10,019.8	85.8	85.8	59.26		-9,604.5	-1,048.5	488.7	320.5	168.14	2.906	
20,100.0	10,269.2	19,878.3	10,019.3	86.7	86.7	59.26		-9,704.5	-1,049.3	488.7	318.9	169.80	2.878	
20,200.0	10,268.7	19,978.3	10,018.8	87.5	87.5	59.26		-9,804.4	-1,050.0	488.7	317.2	171.45	2.850	
20,300.0	10,268.3	20,078.3	10,018.4	88.4	88.4	59.26		-9,904.4	-1,050.8	488.7	315.6	173.10	2.823	
20,400.0	10,267.8	20,178.3	10,017.9	89.2	89.2	59.26		-10,004.4	-1,051.5	488.7	313.9	174.76	2.796	
20,500.0	10,267.3	20,278.3	10,017.4	90.1	90.1	59.26		-10,104.4	-1,052.3	488.7	312.3	176.41	2.770	
20,600.0	10,266.9	20,378.3	10,017.0	90.9	90.9	59.26		-10,204.4	-1,053.0	488.7	310.6	178.07	2.744	
20,610.7	10,266.8	20,389.0	10,016.9	91.0	91.0	59.26		-10,215.1	-1,053.1	488.7	310.4	178.25	2.742	
20,701.7	10,266.4	20,479.8	10,016.5	91.8	91.8	59.26		-10,305.9	-1,053.8	488.7	308.9	179.75	2.719	
20,706.5	10,266.4	20,484.2	10,016.5	91.8	91.8	59.26		-10,310.3	-1,053.8	488.7	308.8	179.83	2.717	
20,800.0	10,265.9	20,577.6	10,016.0	92.6	92.6	59.26		-10,403.7	-1,054.7	488.7	307.3	181.38	2.694	
20,900.0	10,265.5	20,677.6	10,015.6	93.5	93.5	59.26		-10,503.7	-1,055.6	488.7	305.6	183.03	2.670	
21,000.0	10,265.0	20,777.6	10,015.1	94.3	94.3	59.26		-10,603.7	-1,056.5	488.7	304.0	184.69	2.646	
21,100.0	10,264.6	20,877.6	10,014.6	95.2	95.2	59.26		-10,703.7	-1,057.4	488.7	302.3	186.35	2.622	
21,200.0	10,264.1	20,977.6	10,014.2	96.1	96.0	59.25		-10,803.7	-1,058.4	488.7	300.7	188.00	2.599	
21,300.0	10,263.6	21,077.6	10,013.7	96.9	96.9	59.25		-10,903.7	-1,059.3	488.7	299.0	189.66	2.577	
21,400.0	10,263.2	21,177.6	10,013.2	97.8	97.7	59.25		-11,003.7	-1,060.2	488.7	297.4	191.32	2.554	
21,500.0	10,262.7	21,277.6	10,012.8	98.6	98.6	59.25		-11,103.7	-1,061.1	488.7	295.7	192.98	2.532	
21,600.0	10,262.2	21,377.6	10,012.3	99.5	99.4	59.25		-11,203.7	-1,062.0	488.7	294.0	194.64	2.511	
21,700.0	10,261.8	21,477.6	10,011.8	100.3	100.3	59.25		-11,303.7	-1,063.0	488.7	292.4	196.29	2.490	
21,800.0	10,261.3	21,577.6	10,011.4	101.2	101.1	59.25		-11,403.7	-1,063.9	488.7	290.7	197.95	2.469	
21,900.0	10,260.8	21,677.6	10,010.9	102.0	102.0	59.25		-11,503.7	-1,064.8	488.7	289.1	199.61	2.448	
22,000.0	10,260.4	21,777.6	10,010.4	102.9	102.8	59.25		-11,603.6	-1,065.7	488.7	287.4	201.27	2.428	
22,100.0	10,259.9	21,877.6	10,010.0	103.7	103.7	59.25		-11,703.6	-1,066.6	488.7	285.8	202.93	2.408	
22,200.0	10,259.4	21,977.6	10,009.5	104.6	104.5	59.25		-11,803.6	-1,067.6	488.7	284.1	204.59	2.389	
22,300.0	10,259.0	22,077.6	10,009.0	105.4	105.4	59.25		-11,903.6	-1,068.5	488.7	282.4	206.26	2.369	
22,400.0	10,258.5	22,177.6	10,008.6	106.3	106.2	59.25		-12,003.6	-1,069.4	488.7	280.8	207.92	2.350	
22,500.0	10,258.1	22,277.6	10,008.1	107.1	107.1	59.25		-12,103.6	-1,070.3	488.7	279.1	209.58	2.332	
22,600.0	10,257.6	22,377.6	10,007.6	108.0	108.0	59.25		-12,203.6	-1,071.2	488.7	277.5	211.24	2.313	
22,700.0	10,257.1	22,477.6	10,007.2	108.9	108.8	59.25		-12,303.6	-1,072.2	488.7	275.8	212.90	2.295	
22,800.0	10,256.7	22,577.6	10,006.7	109.7	109.7	59.25		-12,403.6	-1,073.1	488.7	274.1	214.56	2.278	
22,900.0	10,256.2	22,677.6	10,006.2	110.6	110.5	59.25		-12,503.6	-1,074.0	488.7	272.5	216.23	2.260	
23,000.0	10,255.7	22,777.6	10,005.8	111.4	111.4	59.25		-12,603.6	-1,074.9	488.7	270.8	217.89	2.243	
23,100.0	10,255.3	22,877.6	10,005.3	112.3	112.2	59.25		-12,703.6	-1,075.8	488.7	269.1	219.55	2.226	
23,200.0	10,254.8	22,977.6	10,004.8	113.1	113.1	59.25		-12,803.6	-1,076.8	488.7	267.5	221.21	2.209	
23,300.0	10,254.3	23,077.6	10,004.3	114.0	113.9	59.25		-12,903.6	-1,077.7	488.7	265.8	222.88	2.193	
23,400.0	10,253.9	23,177.6	10,003.9	114.8	114.8	59.25		-13,003.6	-1,078.6	488.7	264.2	224.54	2.176	
23,500.0	10,253.4	23,277.6	10,003.4	115.7	115.6	59.25		-13,103.6	-1,079.5	488.7	262.5	226.20	2.160	

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

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Page 10

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #705H - OWB - PWP1													Offset Site Error:	0.0 usft
0-Standard Keeper 104, 9626-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Survey Program:	Rule Assigned:													
Reference	Vertical	Measured	Vertical	Semi	Major	Axis	Offset Wellbore Centre		Distance	Between	Between	Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Reference	Offset	Highside	+N/-S	+E/-W	Centres	Ellipses	Separation	Factor		
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	Toolface (°)	(usft)	(usft)	(usft)	(usft)	(usft)			
23,600.0	10,252.9	23,377.6	10,002.9	116.5	116.5	59.25	-13,203.6	-1,080.4	488.7	260.8	227.87	2.145		
23,700.0	10,252.5	23,477.6	10,002.5	117.4	117.3	59.25	-13,303.6	-1,081.4	488.7	259.2	229.53	2.129		
23,800.0	10,252.0	23,577.6	10,002.0	118.2	118.2	59.25	-13,403.5	-1,082.3	488.7	257.5	231.20	2.114		
23,900.0	10,251.6	23,677.6	10,001.5	119.1	119.0	59.24	-13,503.5	-1,083.2	488.7	255.8	232.86	2.099		
24,000.0	10,251.1	23,777.6	10,001.1	120.0	119.9	59.24	-13,603.5	-1,084.1	488.7	254.2	234.52	2.084		
24,100.0	10,250.6	23,877.6	10,000.6	120.8	120.8	59.24	-13,703.5	-1,085.0	488.7	252.5	236.19	2.069		
24,200.0	10,250.2	23,977.6	10,000.1	121.7	121.6	59.24	-13,803.5	-1,086.0	488.7	250.9	237.85	2.055		
24,300.0	10,249.7	24,077.6	9,999.7	122.5	122.5	59.24	-13,903.5	-1,086.9	488.7	249.2	239.52	2.040		
24,400.0	10,249.2	24,177.6	9,999.2	123.4	123.3	59.24	-14,003.5	-1,087.8	488.7	247.5	241.18	2.026		
24,500.0	10,248.8	24,277.6	9,998.7	124.2	124.2	59.24	-14,103.5	-1,088.7	488.7	245.9	242.85	2.012		
24,600.0	10,248.3	24,377.6	9,998.3	125.1	125.0	59.24	-14,203.5	-1,089.6	488.7	244.2	244.52	1.999 Advise and Monitor		
24,700.0	10,247.8	24,477.6	9,997.8	125.9	125.9	59.24	-14,303.5	-1,090.6	488.7	242.5	246.18	1.985 Advise and Monitor		
24,800.0	10,247.4	24,577.6	9,997.3	126.8	126.7	59.24	-14,403.5	-1,091.5	488.7	240.9	247.85	1.972 Advise and Monitor		
24,900.0	10,246.9	24,677.6	9,996.9	127.7	127.6	59.24	-14,503.5	-1,092.4	488.7	239.2	249.51	1.959 Advise and Monitor		
25,000.0	10,246.4	24,777.6	9,996.4	128.5	128.4	59.24	-14,603.5	-1,093.3	488.7	237.5	251.18	1.946 Advise and Monitor		
25,100.0	10,246.0	24,877.6	9,995.9	129.4	129.3	59.24	-14,703.5	-1,094.2	488.7	235.9	252.85	1.933 Advise and Monitor		
25,200.0	10,245.5	24,977.6	9,995.5	130.2	130.2	59.24	-14,803.5	-1,095.2	488.7	234.2	254.51	1.920 Advise and Monitor		
25,300.0	10,245.1	25,077.6	9,995.0	131.1	131.0	59.24	-14,903.5	-1,096.1	488.7	232.5	256.18	1.908 Advise and Monitor		
25,400.0	10,244.6	25,177.6	9,994.5	131.9	131.9	59.24	-15,003.5	-1,097.0	488.7	230.9	257.85	1.895 Advise and Monitor		
25,500.0	10,244.1	25,277.6	9,994.1	132.8	132.7	59.24	-15,103.5	-1,097.9	488.7	229.2	259.51	1.883 Advise and Monitor		
25,600.0	10,243.7	25,377.6	9,993.6	133.6	133.6	59.24	-15,203.5	-1,098.8	488.7	227.5	261.18	1.871 Advise and Monitor		
25,700.0	10,243.2	25,477.6	9,993.1	134.5	134.4	59.24	-15,303.4	-1,099.7	488.7	225.9	262.85	1.859 Advise and Monitor		
25,701.6	10,243.2	25,479.2	9,993.1	134.5	134.4	59.24	-15,305.0	-1,099.8	488.7	225.9	262.87	1.859 Advise and Monitor		
25,741.6	10,243.0	25,505.0	9,993.0	134.8	134.7	59.24	-15,330.8	-1,100.0	488.9	225.6	263.30	1.857 Advise and Monitor, SF		

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

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Page 11

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #710H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-Standard Keeper 104, 9550-MWD+IFR1+FDIR		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error: 3.0 usft	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	144.95	-44.9	31.5	54.8					
100.0	100.0	100.0	100.0	3.0	3.0	144.95	-44.9	31.5	54.8	48.8	6.00	9.140		
200.0	200.0	200.0	200.0	3.0	3.0	144.95	-44.9	31.5	54.8	48.8	6.01	9.129		
300.0	300.0	300.0	300.0	3.0	3.0	144.95	-44.9	31.5	54.8	48.8	6.02	9.104		
400.0	400.0	400.0	400.0	3.0	3.0	144.95	-44.9	31.5	54.8	48.8	6.05	9.066		
423.1	423.1	423.1	423.1	3.0	3.0	144.95	-44.9	31.5	54.8	48.8	6.06	9.055		
500.0	500.0	500.0	500.0	3.1	3.1	144.95	-44.9	31.5	54.8	48.8	6.08	9.015		
524.5	524.5	524.5	524.5	3.1	3.1	144.95	-44.9	31.5	54.8	48.8	6.09	9.001		
600.0	600.0	600.0	600.0	3.1	3.1	144.95	-44.9	31.5	54.8	48.7	6.13	8.953		
633.3	633.3	633.3	633.3	3.1	3.1	144.95	-44.9	31.5	54.8	48.7	6.14	8.929		
700.0	700.0	700.0	700.0	3.1	3.1	144.95	-44.9	31.5	54.8	48.7	6.18	8.879		
800.0	800.0	800.0	800.0	3.2	3.2	144.95	-44.9	31.5	54.8	48.6	6.24	8.796		
900.0	900.0	900.0	900.0	3.2	3.2	144.95	-44.9	31.5	54.8	48.5	6.30	8.703		
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	144.95	-44.9	31.5	54.8	48.5	6.38	8.601		
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	144.95	-44.9	31.5	54.8	48.4	6.46	8.493		
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	144.95	-44.9	31.5	54.8	48.3	6.55	8.378		
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	144.95	-44.9	31.5	54.8	48.2	6.64	8.257		
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	144.95	-44.9	31.5	54.8	48.1	6.74	8.132		
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	144.95	-44.9	31.5	54.8	48.0	6.85	8.004		
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	144.95	-44.9	31.5	54.8	47.9	6.97	7.873		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	144.95	-44.9	31.5	54.8	47.8	7.09	7.740		
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	144.95	-44.9	31.5	54.8	47.6	7.21	7.605		
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	144.95	-44.9	31.5	54.8	47.5	7.34	7.470		
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	144.95	-44.9	31.5	54.8	47.4	7.48	7.336	CC, ES, SF	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	-145.45	-44.9	31.5	56.3	48.7	7.59	7.411		
2,200.0	2,199.8	2,199.8	2,199.8	4.1	4.1	-148.21	-44.9	31.5	60.7	53.0	7.67	7.910		
2,300.0	2,299.5	2,299.5	2,299.5	4.1	4.2	-151.99	-44.9	31.5	68.2	60.5	7.71	8.845		
2,400.0	2,398.7	2,398.7	2,398.7	4.2	4.3	-156.04	-44.9	31.5	79.2	71.5	7.74	10.230		
2,500.0	2,497.7	2,497.7	2,497.7	4.2	4.4	-159.55	-44.9	31.5	92.1	84.3	7.78	11.837		
2,600.0	2,596.8	2,595.5	2,595.5	4.3	4.5	-162.99	-44.0	32.8	105.8	98.0	7.80	13.576		
2,700.0	2,695.8	2,692.5	2,692.4	4.3	4.5	-167.07	-41.3	36.9	121.2	113.4	7.77	15.605		
2,800.0	2,794.8	2,788.5	2,788.1	4.4	4.6	-171.41	-36.9	43.6	138.6	130.9	7.73	17.924		
2,900.0	2,893.8	2,885.9	2,884.9	4.5	4.7	-175.45	-31.4	52.1	157.8	150.1	7.72	20.430		
3,000.0	2,992.9	2,983.5	2,981.9	4.6	4.7	-178.63	-25.8	60.6	177.5	169.8	7.75	22.918		
3,100.0	3,091.9	3,081.1	3,079.0	4.6	4.8	178.83	-20.2	69.2	197.7	189.9	7.80	25.357		
3,200.0	3,190.9	3,178.7	3,176.1	4.7	4.9	176.76	-14.6	77.7	218.2	210.3	7.87	27.730		
3,300.0	3,289.9	3,276.3	3,273.1	4.8	5.0	175.05	-9.0	86.2	238.9	230.9	7.96	30.026		
3,400.0	3,389.0	3,373.9	3,370.2	4.9	5.1	173.61	-3.4	94.8	259.8	251.7	8.06	32.239		
3,500.0	3,488.0	3,471.5	3,467.3	5.0	5.1	172.38	2.2	103.3	280.8	272.6	8.17	34.366		
3,600.0	3,587.0	3,569.1	3,564.3	5.0	5.2	171.32	7.8	111.8	301.9	293.6	8.29	36.405		
3,700.0	3,686.0	3,666.7	3,661.4	5.1	5.3	170.41	13.4	120.3	323.1	314.7	8.42	38.357		
3,800.0	3,785.1	3,764.3	3,758.5	5.2	5.4	169.60	19.0	128.9	344.4	335.8	8.56	40.222		
3,900.0	3,884.1	3,861.9	3,855.5	5.3	5.5	168.89	24.6	137.4	365.7	357.0	8.71	42.002		
4,000.0	3,983.1	3,959.5	3,952.6	5.4	5.6	168.26	30.3	145.9	387.1	378.3	8.86	43.699		
4,100.0	4,082.2	4,057.1	4,049.7	5.5	5.7	167.69	35.9	154.4	408.6	399.5	9.02	45.316		
4,200.0	4,181.2	4,154.7	4,146.7	5.6	5.8	167.18	41.5	163.0	430.0	420.8	9.18	46.856		
4,300.0	4,280.2	4,252.3	4,243.8	5.7	5.9	166.72	47.1	171.5	451.5	442.2	9.34	48.322		
4,400.0	4,379.2	4,349.9	4,340.9	5.8	6.0	166.30	52.7	180.0	473.0	463.5	9.51	49.716		
4,500.0	4,478.3	4,447.5	4,437.9	5.9	6.0	165.92	58.3	188.6	494.6	484.9	9.69	51.042		
4,600.0	4,577.3	4,545.1	4,535.0	6.0	6.1	165.56	63.9	197.1	516.1	506.2	9.87	52.303		
4,700.0	4,676.3	4,642.7	4,632.1	6.1	6.2	165.24	69.5	205.6	537.7	527.6	10.05	53.502		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #710H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9550-MWD+IFR1+FDIR					Rule Assigned:				Offset Well Error:	3.0 usft		
Reference	Offset	Semi Major Axis												
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
4,800.0	4,775.3	4,740.3	4,729.1	6.2	6.3	164.94	75.1	214.1	559.3	549.0	10.24	54.641		
4,900.0	4,874.4	4,837.9	4,826.2	6.3	6.4	164.67	80.7	222.7	580.9	570.4	10.42	55.724		
5,000.0	4,973.4	4,935.5	4,923.3	6.5	6.6	164.41	86.3	231.2	602.5	591.9	10.62	56.754		
5,100.0	5,072.4	5,033.1	5,020.3	6.6	6.7	164.17	91.9	239.7	624.1	613.3	10.81	57.732		
5,200.0	5,171.5	5,130.7	5,117.4	6.7	6.8	163.95	97.5	248.3	645.7	634.7	11.01	58.663		
5,300.0	5,270.5	5,228.3	5,214.5	6.8	6.9	163.74	103.1	256.8	667.4	656.2	11.21	59.548		
5,400.0	5,369.5	5,325.9	5,311.5	6.9	7.0	163.55	108.7	265.3	689.0	677.6	11.41	60.389		
5,500.0	5,468.5	5,423.5	5,408.6	7.0	7.1	163.36	114.3	273.8	710.7	699.1	11.61	61.189		
5,600.0	5,567.6	5,521.1	5,505.7	7.1	7.2	163.19	119.9	282.4	732.3	720.5	11.82	61.950		
5,700.0	5,666.6	5,618.7	5,602.7	7.2	7.3	163.03	125.5	290.9	754.0	742.0	12.03	62.674		
5,800.0	5,765.6	5,716.3	5,699.8	7.4	7.4	162.87	131.1	299.4	775.7	763.4	12.24	63.363		
5,900.0	5,864.6	5,813.9	5,796.9	7.5	7.5	162.73	136.7	307.9	797.4	784.9	12.46	64.019		
6,000.0	5,963.7	5,911.5	5,894.0	7.6	7.6	162.59	142.3	316.5	819.1	806.4	12.67	64.644		
6,100.0	6,062.7	6,009.1	5,991.0	7.7	7.7	162.46	147.9	325.0	840.7	827.9	12.89	65.238		
6,200.0	6,161.7	6,106.7	6,088.1	7.8	7.8	162.34	153.5	333.5	862.4	849.3	13.11	65.804		
6,300.0	6,260.7	6,204.4	6,185.2	8.0	8.0	162.22	159.1	342.1	884.1	870.8	13.33	66.344		
6,400.0	6,359.8	6,302.0	6,282.2	8.1	8.1	162.11	164.7	350.6	905.8	892.3	13.55	66.857		
6,500.0	6,458.8	6,399.6	6,379.3	8.2	8.2	162.00	170.3	359.1	927.5	913.8	13.77	67.347		
6,600.0	6,557.8	6,497.2	6,476.4	8.3	8.3	161.90	175.9	367.6	949.2	935.2	14.00	67.814		
6,700.0	6,656.9	6,594.8	6,573.4	8.4	8.4	161.80	181.5	376.2	970.9	956.7	14.22	68.258		
6,800.0	6,755.9	6,692.4	6,670.5	8.6	8.5	161.71	187.1	384.7	992.7	978.2	14.45	68.682		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	3.0	3.0	178.21	-44.9	1.4	44.9					
100.0	100.0	99.9	99.9	3.0	3.0	178.21	-44.9	1.4	44.9	38.9	6.00	7.486		
200.0	200.0	199.9	199.9	3.0	3.0	178.21	-44.9	1.4	44.9	38.9	6.01	7.473		
300.0	300.0	299.9	299.9	3.0	3.0	178.21	-44.9	1.4	44.9	38.9	6.03	7.447		
400.0	400.0	399.9	399.9	3.0	3.0	178.21	-44.9	1.4	44.9	38.9	6.07	7.406		
500.0	500.0	499.9	499.9	3.1	3.1	178.21	-44.9	1.4	44.9	38.8	6.11	7.352		
600.0	600.0	599.9	599.9	3.1	3.1	178.21	-44.9	1.4	44.9	38.8	6.16	7.287		
700.0	700.0	699.9	699.9	3.1	3.1	178.21	-44.9	1.4	44.9	38.7	6.23	7.210		
800.0	800.0	799.9	799.9	3.2	3.2	178.21	-44.9	1.4	44.9	38.6	6.31	7.123		
900.0	900.0	899.9	899.9	3.2	3.2	178.21	-44.9	1.4	44.9	38.5	6.39	7.027		
1,000.0	1,000.0	999.9	999.9	3.2	3.2	178.21	-44.9	1.4	44.9	38.4	6.49	6.923		
1,100.0	1,100.0	1,099.9	1,099.9	3.3	3.3	178.21	-44.9	1.4	44.9	38.3	6.59	6.813		
1,200.0	1,200.0	1,199.9	1,199.9	3.4	3.4	178.21	-44.9	1.4	44.9	38.2	6.71	6.697		
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	178.21	-44.9	1.4	44.9	38.1	6.83	6.578		
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	178.21	-44.9	1.4	44.9	38.0	6.96	6.455		
1,500.0	1,500.0	1,499.9	1,499.9	3.5	3.5	178.21	-44.9	1.4	44.9	37.8	7.10	6.330		
1,600.0	1,600.0	1,599.9	1,599.9	3.6	3.6	178.21	-44.9	1.4	44.9	37.7	7.24	6.204		
1,700.0	1,700.0	1,699.9	1,699.9	3.7	3.7	178.21	-44.9	1.4	44.9	37.5	7.39	6.078		
1,800.0	1,800.0	1,799.9	1,799.9	3.8	3.8	178.21	-44.9	1.4	44.9	37.4	7.55	5.951		
1,900.0	1,900.0	1,899.9	1,899.9	3.9	3.9	178.21	-44.9	1.4	44.9	37.2	7.71	5.826		
2,000.0	2,000.0	1,999.9	1,999.9	3.9	3.9	178.21	-44.9	1.4	44.9	37.0	7.88	5.701 CC, ES		
2,100.0	2,100.0	2,099.9	2,099.9	4.0	4.0	-113.20	-44.9	1.4	45.6	37.6	8.03	5.677		
2,200.0	2,199.8	2,199.7	2,199.7	4.1	4.1	-118.92	-44.9	1.4	47.9	39.7	8.14	5.880		
2,300.0	2,299.5	2,299.4	2,299.4	4.1	4.2	-127.15	-44.9	1.4	52.7	44.4	8.21	6.412		
2,400.0	2,398.7	2,398.6	2,398.6	4.2	4.3	-136.19	-44.9	1.4	60.8	52.6	8.22	7.399		
2,500.0	2,497.7	2,497.6	2,497.6	4.2	4.4	-143.90	-44.9	1.4	71.6	63.4	8.21	8.719		
2,600.0	2,596.8	2,598.3	2,598.2	4.3	4.5	-150.58	-43.3	1.8	82.3	74.1	8.18	10.058		
2,700.0	2,695.8	2,698.8	2,698.6	4.3	4.6	-157.57	-38.2	3.1	92.2	84.1	8.11	11.367		
2,800.0	2,794.8	2,798.3	2,797.8	4.4	4.7	-164.68	-30.3	5.2	102.1	94.1	8.02	12.736		
2,900.0	2,893.8	2,897.0	2,896.1	4.5	4.8	-170.66	-21.9	7.4	113.2	105.3	7.95	14.234		
3,000.0	2,992.9	2,995.8	2,994.5	4.6	4.9	-175.53	-13.6	9.5	125.3	117.4	7.92	15.813		
3,100.0	3,091.9	3,094.5	3,092.9	4.6	5.0	-179.54	-5.3	11.7	138.1	130.2	7.92	17.429		
3,200.0	3,190.9	3,193.3	3,191.3	4.7	5.1	177.15	3.0	13.9	151.5	143.5	7.95	19.050		
3,300.0	3,289.9	3,292.0	3,289.6	4.8	5.2	174.37	11.4	16.0	165.3	157.3	8.00	20.656		
3,400.0	3,389.0	3,390.8	3,388.0	4.9	5.3	172.03	19.7	18.2	179.4	171.3	8.07	22.234		
3,500.0	3,488.0	3,489.5	3,486.4	5.0	5.4	170.03	28.0	20.4	193.8	185.6	8.15	23.775		
3,600.0	3,587.0	3,588.3	3,584.8	5.0	5.5	168.30	36.4	22.6	208.3	200.1	8.24	25.273		
3,700.0	3,686.0	3,687.0	3,683.1	5.1	5.6	166.81	44.7	24.7	223.1	214.7	8.35	26.725		
3,800.0	3,785.1	3,785.8	3,781.5	5.2	5.7	165.49	53.0	26.9	237.9	229.5	8.46	28.128		
3,900.0	3,884.1	3,884.5	3,879.9	5.3	5.8	164.34	61.3	29.1	252.9	244.3	8.58	29.481		
4,000.0	3,983.1	3,983.3	3,978.3	5.4	5.9	163.31	69.7	31.2	268.0	259.3	8.70	30.783		
4,100.0	4,082.2	4,082.0	4,076.6	5.5	6.0	162.39	78.0	33.4	283.1	274.3	8.84	32.035		
4,200.0	4,181.2	4,180.8	4,175.0	5.6	6.1	161.56	86.3	35.6	298.3	289.3	8.97	33.237		
4,300.0	4,280.2	4,279.5	4,273.4	5.7	6.2	160.82	94.7	37.7	313.6	304.4	9.12	34.391		
4,400.0	4,379.2	4,378.3	4,371.8	5.8	6.3	160.14	103.0	39.9	328.9	319.6	9.26	35.496		
4,500.0	4,478.3	4,477.0	4,470.2	5.9	6.4	159.53	111.3	42.1	344.2	334.8	9.42	36.555		
4,600.0	4,577.3	4,575.8	4,568.5	6.0	6.6	158.96	119.6	44.2	359.6	350.0	9.57	37.569		
4,700.0	4,676.3	4,674.5	4,666.9	6.1	6.7	158.44	128.0	46.4	375.0	365.3	9.73	38.538		
4,800.0	4,775.3	4,773.3	4,765.3	6.2	6.8	157.97	136.3	48.6	390.4	380.5	9.89	39.466		
4,900.0	4,874.4	4,872.0	4,863.7	6.3	6.9	157.53	144.6	50.7	405.9	395.8	10.06	40.352		
5,000.0	4,973.4	4,970.8	4,962.0	6.5	7.0	157.12	153.0	52.9	421.4	411.1	10.23	41.199		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
5,100.0	5,072.4	5,069.5	5,060.4	6.6	7.1	156.74	161.3	55.1	436.9	426.5	10.40	42.008	
5,200.0	5,171.5	5,168.3	5,158.8	6.7	7.2	156.39	169.6	57.2	452.4	441.8	10.57	42.780	
5,300.0	5,270.5	5,267.1	5,257.2	6.8	7.4	156.06	177.9	59.4	467.9	457.2	10.75	43.518	
5,400.0	5,369.5	5,365.8	5,355.5	6.9	7.5	155.75	186.3	61.6	483.5	472.5	10.93	44.222	
5,500.0	5,468.5	5,464.6	5,453.9	7.0	7.6	155.46	194.6	63.7	499.0	487.9	11.12	44.893	
5,600.0	5,567.6	5,563.3	5,552.3	7.1	7.7	155.19	202.9	65.9	514.6	503.3	11.30	45.534	
5,700.0	5,666.6	5,662.1	5,650.7	7.2	7.8	154.93	211.3	68.1	530.2	518.7	11.49	46.146	
5,800.0	5,765.6	5,760.8	5,749.0	7.4	7.9	154.69	219.6	70.3	545.8	534.1	11.68	46.730	
5,900.0	5,864.6	5,859.6	5,847.4	7.5	8.1	154.46	227.9	72.4	561.4	549.5	11.87	47.286	
6,000.0	5,963.7	5,958.3	5,945.8	7.6	8.2	154.25	236.3	74.6	577.0	564.9	12.07	47.817	
6,100.0	6,062.7	6,057.1	6,044.2	7.7	8.3	154.04	244.6	76.8	592.6	580.4	12.26	48.323	
6,200.0	6,161.7	6,157.7	6,144.4	7.8	8.4	153.86	252.9	78.9	608.2	595.7	12.46	48.808	
6,300.0	6,260.7	6,260.5	6,247.0	8.0	8.5	153.83	259.8	80.7	623.2	610.5	12.65	49.246	
6,400.0	6,359.8	6,363.5	6,349.9	8.1	8.7	153.95	265.0	82.1	637.6	624.7	12.84	49.645	
6,500.0	6,458.8	6,466.7	6,453.0	8.2	8.8	154.22	268.4	83.0	651.3	638.3	13.02	50.012	
6,600.0	6,557.8	6,569.9	6,556.1	8.3	8.9	154.63	270.0	83.4	664.4	651.2	13.20	50.342	
6,700.0	6,656.9	6,670.5	6,656.8	8.4	9.0	155.13	270.1	83.4	677.1	663.7	13.37	50.639	
6,800.0	6,755.9	6,769.5	6,755.8	8.6	9.2	155.62	270.1	83.4	689.8	676.2	13.54	50.930	
6,900.0	6,854.9	6,868.5	6,854.8	8.7	9.3	156.08	270.1	83.4	702.5	688.8	13.72	51.213	
7,000.0	6,953.9	6,967.6	6,953.8	8.8	9.4	156.53	270.1	83.4	715.3	701.4	13.89	51.488	
7,100.0	7,053.0	7,066.6	7,052.9	8.9	9.5	156.97	270.1	83.4	728.1	714.0	14.07	51.755	
7,200.0	7,152.0	7,165.6	7,151.9	9.1	9.6	157.39	270.1	83.4	740.9	726.7	14.24	52.015	
7,300.0	7,251.0	7,264.7	7,250.9	9.2	9.8	157.80	270.1	83.4	753.8	739.4	14.42	52.267	
7,400.0	7,350.0	7,363.7	7,349.9	9.3	9.9	158.19	270.1	83.4	766.7	752.1	14.60	52.512	
7,500.0	7,449.1	7,462.7	7,449.0	9.5	10.0	158.57	270.1	83.4	779.7	764.9	14.78	52.750	
7,580.3	7,528.6	7,542.2	7,528.5	9.6	10.1	158.86	270.1	83.4	790.1	775.2	14.93	52.937	
7,600.0	7,548.1	7,561.7	7,548.0	9.6	10.1	158.94	270.1	83.4	792.6	777.7	14.96	52.980	
7,700.0	7,647.3	7,660.9	7,647.2	9.7	10.3	159.31	270.1	83.4	804.5	789.4	15.14	53.135	
7,800.0	7,746.7	7,760.3	7,746.6	9.8	10.4	159.62	270.1	83.4	814.8	799.5	15.32	53.186	
7,900.0	7,846.3	7,859.9	7,846.2	10.0	10.5	159.87	270.1	83.4	823.5	808.0	15.50	53.136	
8,000.0	7,946.0	7,959.6	7,945.9	10.1	10.6	160.08	270.1	83.4	830.5	814.9	15.67	52.989	
8,100.0	8,045.8	8,059.4	8,045.7	10.2	10.8	160.23	270.1	83.4	836.0	820.1	15.85	52.752	
8,200.0	8,145.7	8,159.4	8,145.6	10.3	10.9	160.33	270.1	83.4	839.7	823.7	16.02	52.428	
8,300.0	8,245.7	8,259.3	8,245.6	10.4	11.0	160.39	270.1	83.4	841.9	825.7	16.19	52.009	
8,380.3	8,326.0	8,339.6	8,325.9	10.5	11.1	89.79	270.1	83.4	842.4	826.1	16.30	51.695	
8,400.0	8,345.7	8,359.3	8,345.6	10.5	11.1	89.79	270.1	83.4	842.4	826.1	16.32	51.632	
8,500.0	8,445.7	8,459.3	8,445.6	10.6	11.3	89.79	270.1	83.4	842.4	826.0	16.42	51.314	
8,600.0	8,545.7	8,559.3	8,545.6	10.7	11.4	89.79	270.1	83.4	842.4	825.9	16.52	50.998	
8,700.0	8,645.7	8,659.3	8,645.6	10.8	11.5	89.79	270.1	83.4	842.4	825.8	16.62	50.685	
8,800.0	8,745.7	8,759.3	8,745.6	10.9	11.6	89.79	270.1	83.4	842.4	825.7	16.72	50.373	
8,900.0	8,845.7	8,859.3	8,845.6	11.0	11.8	89.79	270.1	83.4	842.4	825.6	16.83	50.064	
9,000.0	8,945.7	8,959.3	8,945.6	11.1	11.9	89.79	270.1	83.4	842.4	825.5	16.93	49.757	
9,100.0	9,045.7	9,059.3	9,045.6	11.2	12.0	89.79	270.1	83.4	842.4	825.4	17.03	49.453	
9,200.0	9,145.7	9,159.3	9,145.6	11.3	12.1	89.79	270.1	83.4	842.4	825.3	17.14	49.151	
9,300.0	9,245.7	9,259.3	9,245.6	11.4	12.3	89.79	270.1	83.4	842.4	825.2	17.24	48.851	
9,400.0	9,345.7	9,359.3	9,345.6	11.5	12.4	89.79	270.1	83.4	842.4	825.1	17.35	48.554	
9,500.0	9,445.7	9,459.3	9,445.6	11.6	12.5	89.79	270.1	83.4	842.4	824.9	17.46	48.259	
9,600.0	9,545.7	9,559.3	9,545.6	11.7	12.6	89.79	270.1	83.4	842.4	824.8	17.56	47.966	
9,700.0	9,645.7	9,659.3	9,645.6	11.8	12.8	89.79	270.1	83.4	842.4	824.7	17.67	47.676	
9,794.4	9,740.1	9,753.7	9,740.0	11.9	12.9	89.79	270.1	83.4	842.4	824.7	17.74	47.484	
9,800.0	9,745.7	9,759.3	9,745.6	11.9	12.9	-88.43	270.1	83.4	842.4	824.7	17.74	47.477	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
9,850.0	9,795.6	9,807.6	9,793.8	11.9	12.9	-88.50	268.4	83.5	842.4	824.6	17.76	47.442	
9,900.0	9,845.1	9,855.8	9,841.7	11.9	12.9	-88.57	262.7	83.6	842.3	824.6	17.77	47.393	
9,950.0	9,893.8	9,904.1	9,889.0	11.9	12.9	-88.66	253.0	83.9	842.3	824.5	17.80	47.321	
10,000.0	9,941.3	9,952.5	9,935.4	11.9	12.9	-88.76	239.3	84.3	842.3	824.4	17.84	47.221	
10,050.0	9,987.3	10,001.1	9,980.6	12.0	12.9	-88.86	221.7	84.9	842.2	824.3	17.89	47.089	
10,100.0	10,031.4	10,050.0	10,024.5	12.0	13.0	-88.98	200.1	85.5	842.2	824.2	17.95	46.915	
10,150.0	10,073.3	10,098.5	10,066.1	12.0	13.0	-89.10	175.1	86.3	842.1	824.1	18.04	46.694	
10,200.0	10,112.7	10,147.4	10,105.7	12.1	13.1	-89.23	146.5	87.2	842.1	824.0	18.14	46.417	
10,250.0	10,149.2	10,196.5	10,142.8	12.1	13.1	-89.36	114.4	88.2	842.1	823.8	18.28	46.076	
10,300.0	10,182.6	10,245.8	10,177.2	12.2	13.2	-89.50	79.1	89.2	842.0	823.6	18.44	45.666	
10,350.0	10,212.6	10,295.2	10,208.5	12.3	13.2	-89.64	40.9	90.4	842.0	823.4	18.64	45.183	
10,400.0	10,239.1	10,344.9	10,236.5	12.3	13.3	-89.79	0.0	91.7	842.0	823.1	18.87	44.627	
10,450.0	10,261.7	10,394.7	10,261.0	12.4	13.3	-89.94	-43.3	93.0	841.9	822.8	19.13	44.000	
10,500.0	10,280.4	10,444.6	10,281.6	12.5	13.4	-90.09	-88.8	94.4	841.9	822.5	19.44	43.310	
10,550.0	10,295.0	10,494.8	10,298.3	12.5	13.4	-90.24	-136.1	95.8	841.9	822.1	19.78	42.566	
10,600.0	10,305.3	10,545.2	10,310.8	12.6	13.4	-90.39	-184.8	97.3	841.9	821.7	20.15	41.781	
10,650.0	10,311.3	10,595.7	10,319.0	12.7	13.5	-90.53	-234.7	98.8	841.9	821.3	20.55	40.970	
10,697.1	10,313.1	10,643.5	10,322.7	12.7	13.5	-90.66	-282.3	100.3	841.9	820.9	20.95	40.194	
10,700.0	10,313.0	10,646.5	10,322.8	12.7	13.5	-90.67	-285.2	100.4	841.9	820.9	20.97	40.147	
10,800.0	10,312.6	10,746.8	10,322.7	12.9	13.5	-90.69	-385.5	103.4	841.8	819.9	21.88	38.472	
10,900.0	10,312.1	10,846.8	10,322.2	13.2	13.6	-90.70	-485.5	106.5	841.8	818.9	22.88	36.784	
11,000.0	10,311.6	10,946.8	10,321.7	13.5	13.6	-90.70	-585.4	109.6	841.7	817.8	23.97	35.117	
11,100.0	10,311.2	11,046.8	10,321.3	13.9	13.7	-90.70	-685.4	112.6	841.7	816.6	25.13	33.499	
11,200.0	10,310.7	11,146.8	10,320.8	14.4	13.7	-90.70	-785.3	115.7	841.6	815.3	26.34	31.949	
11,300.0	10,310.2	11,246.8	10,320.4	14.9	13.9	-90.70	-885.3	118.7	841.6	814.0	27.61	30.476	
11,400.0	10,309.8	11,346.8	10,319.9	15.4	14.2	-90.70	-985.3	121.8	841.5	812.6	28.93	29.086	
11,500.0	10,309.3	11,446.8	10,319.4	16.0	14.6	-90.70	-1,085.2	124.8	841.5	811.2	30.29	27.780	
11,600.0	10,308.8	11,546.8	10,319.0	16.7	15.3	-90.70	-1,185.2	127.9	841.4	809.7	31.68	26.556	
11,700.0	10,308.4	11,646.8	10,318.5	17.3	16.0	-90.70	-1,285.1	131.0	841.4	808.3	33.11	25.412	
11,800.0	10,307.9	11,746.8	10,318.0	18.0	16.7	-90.70	-1,385.1	134.0	841.3	806.8	34.56	24.344	
11,900.0	10,307.4	11,846.8	10,317.6	18.7	17.4	-90.70	-1,485.0	137.1	841.3	805.2	36.04	23.345	
12,000.0	10,307.0	11,946.8	10,317.1	19.4	18.2	-90.70	-1,585.0	140.1	841.2	803.7	37.53	22.413	
12,100.0	10,306.5	12,046.8	10,316.6	20.2	19.0	-90.70	-1,684.9	143.2	841.2	802.1	39.05	21.543	
12,200.0	10,306.0	12,146.8	10,316.2	20.9	19.7	-90.70	-1,784.9	146.2	841.1	800.6	40.58	20.728	
12,300.0	10,305.6	12,246.8	10,315.7	21.7	20.5	-90.70	-1,884.8	149.3	841.1	799.0	42.13	19.966	
12,400.0	10,305.1	12,346.8	10,315.2	22.4	21.3	-90.70	-1,984.8	152.3	841.0	797.3	43.68	19.252	
12,500.0	10,304.6	12,446.8	10,314.8	23.2	22.1	-90.70	-2,084.7	155.4	841.0	795.7	45.26	18.583	
12,600.0	10,304.2	12,546.8	10,314.3	24.0	22.9	-90.70	-2,184.7	158.5	840.9	794.1	46.84	17.954	
12,700.0	10,303.7	12,646.8	10,313.9	24.7	23.7	-90.70	-2,284.6	161.5	840.9	792.5	48.43	17.363	
12,800.0	10,303.2	12,746.8	10,313.4	25.5	24.5	-90.70	-2,384.6	164.6	840.8	790.8	50.03	16.807	
12,900.0	10,302.8	12,846.8	10,312.9	26.3	25.4	-90.70	-2,484.5	167.6	840.8	789.1	51.64	16.283	
13,000.0	10,302.3	12,946.8	10,312.5	27.1	26.2	-90.70	-2,584.5	170.7	840.7	787.5	53.25	15.788	
13,100.0	10,301.8	13,046.8	10,312.0	27.9	27.0	-90.70	-2,684.4	173.7	840.7	785.8	54.87	15.320	
13,200.0	10,301.4	13,146.8	10,311.5	28.7	27.8	-90.70	-2,784.4	176.8	840.6	784.1	56.50	14.878	
13,300.0	10,300.9	13,246.8	10,311.1	29.5	28.6	-90.70	-2,884.3	179.9	840.6	782.4	58.14	14.459	
13,400.0	10,300.4	13,346.8	10,310.6	30.3	29.5	-90.70	-2,984.3	182.9	840.5	780.8	59.77	14.062	
13,500.0	10,299.9	13,446.8	10,310.1	31.1	30.3	-90.70	-3,084.2	186.0	840.5	779.1	61.42	13.685	
13,600.0	10,299.5	13,546.8	10,309.7	31.9	31.1	-90.70	-3,184.2	189.0	840.4	777.4	63.06	13.327	
13,700.0	10,299.0	13,646.8	10,309.2	32.8	32.0	-90.70	-3,284.2	192.1	840.4	775.7	64.71	12.986	
13,800.0	10,298.5	13,746.8	10,308.7	33.6	32.8	-90.70	-3,384.1	195.1	840.3	774.0	66.37	12.662	
13,900.0	10,298.1	13,846.8	10,308.3	34.4	33.6	-90.70	-3,484.1	198.2	840.3	772.3	68.03	12.352	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning	
Measured	Depth	Depth	Depth	Reference	Offset	Offset	Toolface	+N/-S	+E/-W	Distance	Minimum	Separation	
Depth	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Between	Separation	Factor	
(usft)		(usft)	(usft)							Centres	Ellipses		
										(usft)	(usft)		
14,000.0	10,297.6	13,946.8	10,307.8	35.2	34.5	-90.70	-3,584.0	201.2	840.2	770.5	69.69	12.057	
14,100.0	10,297.1	14,046.8	10,307.3	36.1	35.3	-90.70	-3,684.0	204.3	840.2	768.8	71.35	11.775	
14,200.0	10,296.7	14,146.8	10,306.9	36.9	36.1	-90.70	-3,783.9	207.4	840.1	767.1	73.02	11.506	
14,300.0	10,296.2	14,246.8	10,306.4	37.7	37.0	-90.70	-3,883.9	210.4	840.1	765.4	74.69	11.248	
14,400.0	10,295.7	14,346.8	10,306.0	38.5	37.8	-90.70	-3,983.8	213.5	840.0	763.7	76.36	11.001	
14,500.0	10,295.3	14,446.8	10,305.5	39.4	38.7	-90.70	-4,083.8	216.5	840.0	762.0	78.04	10.764	
14,600.0	10,294.8	14,546.8	10,305.0	40.2	39.5	-90.70	-4,183.7	219.6	839.9	760.2	79.71	10.537	
14,700.0	10,294.3	14,646.8	10,304.6	41.0	40.4	-90.70	-4,283.7	222.6	839.9	758.5	81.39	10.319	
14,800.0	10,293.9	14,746.8	10,304.1	41.9	41.2	-90.70	-4,383.6	225.7	839.8	756.8	83.07	10.110	
14,900.0	10,293.4	14,846.8	10,303.6	42.7	42.1	-90.70	-4,483.6	228.8	839.8	755.0	84.75	9.909	
15,000.0	10,292.9	14,946.8	10,303.2	43.5	42.9	-90.70	-4,583.5	231.8	839.7	753.3	86.43	9.715	
15,100.0	10,292.5	15,046.8	10,302.7	44.4	43.7	-90.70	-4,683.5	234.9	839.7	751.6	88.12	9.529	
15,200.0	10,292.0	15,146.8	10,302.2	45.2	44.6	-90.71	-4,783.4	237.9	839.6	749.8	89.81	9.350	
15,300.0	10,291.5	15,246.8	10,301.8	46.1	45.4	-90.71	-4,883.4	241.0	839.6	748.1	91.49	9.177	
15,372.0	10,291.2	15,318.8	10,301.4	46.7	46.0	-90.71	-4,955.4	243.2	839.6	746.8	92.71	9.056	
15,373.4	10,291.2	15,320.2	10,301.4	46.7	46.1	-90.71	-4,956.8	243.2	839.6	746.8	92.73	9.054	
15,400.0	10,291.1	15,346.8	10,301.3	46.9	46.3	-90.70	-4,983.3	244.0	839.7	746.5	93.18	9.011	
15,482.5	10,290.7	15,463.0	10,300.8	47.6	47.3	-90.70	-5,099.5	245.3	840.0	745.2	94.80	8.861	
15,486.1	10,290.7	15,468.2	10,300.7	47.6	47.3	-90.70	-5,104.7	245.2	840.0	745.1	94.87	8.854	
15,500.0	10,290.6	15,478.8	10,300.7	47.7	47.4	-90.70	-5,115.3	245.2	840.0	744.9	95.08	8.834	
15,600.0	10,290.1	15,578.8	10,300.2	48.6	48.2	-90.70	-5,215.3	244.4	840.0	743.2	96.77	8.681	
15,700.0	10,289.7	15,678.8	10,299.8	49.4	49.1	-90.70	-5,315.3	243.7	840.0	741.6	98.45	8.532	
15,800.0	10,289.2	15,778.8	10,299.3	50.3	49.9	-90.70	-5,415.3	242.9	840.0	739.9	100.14	8.389	
15,900.0	10,288.7	15,878.8	10,298.8	51.1	50.8	-90.70	-5,515.3	242.2	840.0	738.2	101.82	8.250	
16,000.0	10,288.3	15,978.8	10,298.4	51.9	51.6	-90.70	-5,615.3	241.4	840.0	736.5	103.51	8.115	
16,100.0	10,287.8	16,078.8	10,297.9	52.8	52.5	-90.70	-5,715.3	240.7	840.0	734.8	105.20	7.985	
16,200.0	10,287.3	16,178.8	10,297.4	53.6	53.3	-90.70	-5,815.3	239.9	840.0	733.1	106.89	7.859	
16,300.0	10,286.9	16,278.8	10,297.0	54.5	54.2	-90.70	-5,915.3	239.2	840.0	731.4	108.58	7.737	
16,400.0	10,286.4	16,378.8	10,296.5	55.3	55.0	-90.70	-6,015.3	238.4	840.0	729.7	110.27	7.618	
16,500.0	10,286.0	16,478.8	10,296.0	56.1	55.9	-90.70	-6,115.3	237.7	840.0	728.1	111.96	7.503	
16,600.0	10,285.5	16,578.8	10,295.6	57.0	56.7	-90.70	-6,215.3	236.9	840.0	726.4	113.65	7.391	
16,700.0	10,285.0	16,678.8	10,295.1	57.8	57.6	-90.70	-6,315.2	236.2	840.0	724.7	115.34	7.283	
16,800.0	10,284.6	16,778.8	10,294.7	58.7	58.4	-90.70	-6,415.2	235.4	840.0	723.0	117.04	7.177	
16,900.0	10,284.1	16,878.8	10,294.2	59.5	59.3	-90.70	-6,515.2	234.7	840.0	721.3	118.73	7.075	
17,000.0	10,283.6	16,978.8	10,293.7	60.4	60.1	-90.70	-6,615.2	233.9	840.0	719.6	120.43	6.975	
17,100.0	10,283.2	17,078.8	10,293.3	61.2	61.0	-90.70	-6,715.2	233.2	840.0	717.9	122.12	6.879	
17,200.0	10,282.7	17,178.8	10,292.8	62.1	61.8	-90.70	-6,815.2	232.4	840.0	716.2	123.82	6.784	
17,300.0	10,282.2	17,278.8	10,292.3	62.9	62.7	-90.70	-6,915.2	231.7	840.0	714.5	125.51	6.693	
17,400.0	10,281.8	17,378.8	10,291.9	63.7	63.5	-90.70	-7,015.2	230.9	840.0	712.8	127.21	6.603	
17,500.0	10,281.3	17,478.8	10,291.4	64.6	64.4	-90.70	-7,115.2	230.2	840.0	711.1	128.91	6.516	
17,600.0	10,280.8	17,578.8	10,290.9	65.4	65.2	-90.70	-7,215.2	229.4	840.0	709.4	130.61	6.432	
17,700.0	10,280.4	17,678.8	10,290.5	66.3	66.1	-90.70	-7,315.2	228.7	840.0	707.7	132.31	6.349	
17,800.0	10,279.9	17,778.8	10,290.0	67.1	66.9	-90.70	-7,415.2	227.9	840.0	706.0	134.00	6.269	
17,900.0	10,279.4	17,878.8	10,289.5	68.0	67.8	-90.70	-7,515.2	227.2	840.0	704.3	135.70	6.190	
18,000.0	10,279.0	17,978.8	10,289.1	68.8	68.6	-90.70	-7,615.2	226.4	840.0	702.6	137.40	6.114	
18,100.0	10,278.5	18,078.8	10,288.6	69.7	69.5	-90.70	-7,715.2	225.7	840.0	700.9	139.10	6.039	
18,200.0	10,278.0	18,178.8	10,288.1	70.5	70.3	-90.70	-7,815.2	224.9	840.0	699.2	140.80	5.966	
18,300.0	10,277.6	18,278.8	10,287.7	71.4	71.2	-90.70	-7,915.2	224.2	840.0	697.5	142.50	5.895	
18,400.0	10,277.1	18,378.8	10,287.2	72.2	72.0	-90.70	-8,015.2	223.4	840.0	695.8	144.21	5.825	
18,500.0	10,276.6	18,478.8	10,286.8	73.1	72.9	-90.70	-8,115.2	222.7	840.0	694.1	145.91	5.757	
18,600.0	10,276.2	18,578.8	10,286.3	73.9	73.7	-90.70	-8,215.2	221.9	840.0	692.4	147.61	5.691	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning	
Measured	Depth	Depth	Depth	Reference	Offset	Offset	Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation
Depth	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor
(usft)		(usft)	(usft)							(usft)	(usft)	(usft)	
18,700.0	10,275.7	18,678.8	10,285.8	74.8	74.6	-90.70	-8,315.2	221.2	840.0	690.7	149.31	5.626	
18,800.0	10,275.2	18,778.8	10,285.4	75.6	75.4	-90.70	-8,415.2	220.4	840.0	689.0	151.01	5.563	
18,900.0	10,274.8	18,878.8	10,284.9	76.5	76.3	-90.70	-8,515.2	219.7	840.0	687.3	152.72	5.501	
19,000.0	10,274.3	18,978.8	10,284.4	77.3	77.1	-90.70	-8,615.2	218.9	840.0	685.6	154.42	5.440	
19,100.0	10,273.9	19,078.8	10,284.0	78.2	78.0	-90.70	-8,715.2	218.2	840.0	683.9	156.12	5.381	
19,200.0	10,273.4	19,178.8	10,283.5	79.0	78.8	-90.70	-8,815.2	217.4	840.0	682.2	157.83	5.323	
19,300.0	10,272.9	19,278.8	10,283.0	79.9	79.7	-90.70	-8,915.1	216.7	840.0	680.5	159.53	5.266	
19,400.0	10,272.5	19,378.8	10,282.6	80.7	80.5	-90.70	-9,015.1	215.9	840.0	678.8	161.23	5.210	
19,500.0	10,272.0	19,478.8	10,282.1	81.6	81.4	-90.70	-9,115.1	215.2	840.0	677.1	162.94	5.156	
19,600.0	10,271.5	19,578.8	10,281.6	82.4	82.3	-90.70	-9,215.1	214.4	840.0	675.4	164.64	5.102	
19,700.0	10,271.1	19,678.8	10,281.2	83.3	83.1	-90.70	-9,315.1	213.7	840.0	673.7	166.35	5.050	
19,800.0	10,270.6	19,778.8	10,280.7	84.1	84.0	-90.70	-9,415.1	212.9	840.0	672.0	168.05	4.999	
19,900.0	10,270.1	19,878.8	10,280.3	85.0	84.8	-90.70	-9,515.1	212.2	840.0	670.3	169.76	4.948	
20,000.0	10,269.7	19,978.8	10,279.8	85.8	85.7	-90.70	-9,615.1	211.4	840.0	668.6	171.46	4.899	
20,100.0	10,269.2	20,078.8	10,279.3	86.7	86.5	-90.70	-9,715.1	210.7	840.0	666.9	173.17	4.851	
20,200.0	10,268.7	20,178.8	10,278.9	87.5	87.4	-90.70	-9,815.1	209.9	840.0	665.2	174.88	4.804	
20,300.0	10,268.3	20,278.8	10,278.4	88.4	88.2	-90.70	-9,915.1	209.2	840.1	663.5	176.58	4.757	
20,400.0	10,267.8	20,378.8	10,277.9	89.2	89.1	-90.70	-10,015.1	208.4	840.1	661.8	178.29	4.712	
20,500.0	10,267.3	20,478.8	10,277.5	90.1	89.9	-90.70	-10,115.1	207.7	840.1	660.1	180.00	4.667	
20,600.0	10,266.9	20,578.8	10,277.0	90.9	90.8	-90.70	-10,215.1	206.9	840.1	658.4	181.70	4.623	
20,701.7	10,266.4	20,680.5	10,276.5	91.8	91.7	-90.70	-10,316.8	206.2	840.1	656.6	183.44	4.580	
20,706.5	10,266.4	20,685.3	10,276.5	91.8	91.7	-90.70	-10,321.6	206.1	840.1	656.5	183.52	4.577	
20,800.0	10,265.9	20,780.2	10,276.1	92.6	92.5	-90.70	-10,416.5	205.2	840.1	654.9	185.12	4.538	
20,900.0	10,265.5	20,880.2	10,275.6	93.5	93.4	-90.70	-10,516.5	204.3	840.1	653.2	186.83	4.496	
21,000.0	10,265.0	20,980.2	10,275.1	94.3	94.2	-90.70	-10,616.5	203.4	840.1	651.5	188.54	4.456	
21,100.0	10,264.6	21,080.2	10,274.7	95.2	95.1	-90.70	-10,716.5	202.5	840.1	649.8	190.24	4.416	
21,200.0	10,264.1	21,180.2	10,274.2	96.1	95.9	-90.70	-10,816.5	201.6	840.1	648.1	191.95	4.376	
21,300.0	10,263.6	21,280.2	10,273.7	96.9	96.8	-90.70	-10,916.5	200.6	840.1	646.4	193.66	4.338	
21,400.0	10,263.2	21,380.2	10,273.3	97.8	97.6	-90.70	-11,016.5	199.7	840.1	644.7	195.37	4.300	
21,500.0	10,262.7	21,480.2	10,272.8	98.6	98.5	-90.70	-11,116.5	198.8	840.1	643.0	197.07	4.263	
21,600.0	10,262.2	21,580.2	10,272.4	99.5	99.4	-90.70	-11,216.5	197.9	840.1	641.3	198.78	4.226	
21,700.0	10,261.8	21,680.2	10,271.9	100.3	100.2	-90.70	-11,316.5	197.0	840.1	639.6	200.49	4.190	
21,800.0	10,261.3	21,780.2	10,271.4	101.2	101.1	-90.70	-11,416.5	196.0	840.1	637.9	202.20	4.155	
21,900.0	10,260.8	21,880.2	10,271.0	102.0	101.9	-90.70	-11,516.5	195.1	840.1	636.2	203.90	4.120	
22,000.0	10,260.4	21,980.2	10,270.5	102.9	102.8	-90.70	-11,616.5	194.2	840.1	634.5	205.61	4.086	
22,100.0	10,259.9	22,080.2	10,270.0	103.7	103.6	-90.70	-11,716.4	193.3	840.1	632.7	207.32	4.052	
22,200.0	10,259.4	22,180.2	10,269.6	104.6	104.5	-90.70	-11,816.4	192.4	840.1	631.0	209.03	4.019	
22,300.0	10,259.0	22,280.2	10,269.1	105.4	105.3	-90.70	-11,916.4	191.4	840.1	629.3	210.74	3.986	
22,400.0	10,258.5	22,380.2	10,268.6	106.3	106.2	-90.70	-12,016.4	190.5	840.1	627.6	212.45	3.954	
22,500.0	10,258.1	22,480.2	10,268.2	107.1	107.0	-90.70	-12,116.4	189.6	840.1	625.9	214.16	3.923	
22,600.0	10,257.6	22,580.2	10,267.7	108.0	107.9	-90.70	-12,216.4	188.7	840.1	624.2	215.87	3.892	
22,700.0	10,257.1	22,680.2	10,267.3	108.9	108.8	-90.70	-12,316.4	187.8	840.1	622.5	217.58	3.861	
22,800.0	10,256.7	22,780.2	10,266.8	109.7	109.6	-90.70	-12,416.4	186.8	840.1	620.8	219.28	3.831	
22,900.0	10,256.2	22,880.2	10,266.3	110.6	110.5	-90.70	-12,516.4	185.9	840.1	619.1	220.99	3.801	
23,000.0	10,255.7	22,980.2	10,265.9	111.4	111.3	-90.70	-12,616.4	185.0	840.1	617.4	222.70	3.772	
23,100.0	10,255.3	23,080.2	10,265.4	112.3	112.2	-90.70	-12,716.4	184.1	840.1	615.7	224.41	3.743	
23,200.0	10,254.8	23,180.2	10,264.9	113.1	113.0	-90.70	-12,816.4	183.2	840.1	613.9	226.12	3.715	
23,300.0	10,254.3	23,280.2	10,264.5	114.0	113.9	-90.70	-12,916.4	182.2	840.1	612.2	227.83	3.687	
23,400.0	10,253.9	23,380.2	10,264.0	114.8	114.7	-90.70	-13,016.4	181.3	840.1	610.5	229.54	3.660	
23,500.0	10,253.4	23,480.2	10,263.5	115.7	115.6	-90.70	-13,116.4	180.4	840.1	608.8	231.25	3.633	
23,600.0	10,252.9	23,580.2	10,263.1	116.5	116.5	-90.70	-13,216.4	179.5	840.1	607.1	232.96	3.606	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
23,700.0	10,252.5	23,680.2	10,262.6	117.4	117.3	-90.70	-13,316.4	178.6	840.1	605.4	234.67	3.580	
23,800.0	10,252.0	23,780.2	10,262.1	118.2	118.2	-90.70	-13,416.4	177.6	840.1	603.7	236.38	3.554	
23,900.0	10,251.6	23,880.2	10,261.7	119.1	119.0	-90.70	-13,516.4	176.7	840.1	602.0	238.09	3.528	
24,000.0	10,251.1	23,980.2	10,261.2	120.0	119.9	-90.70	-13,616.3	175.8	840.1	600.3	239.80	3.503	
24,100.0	10,250.6	24,080.2	10,260.8	120.8	120.7	-90.70	-13,716.3	174.9	840.1	598.6	241.51	3.478	
24,200.0	10,250.2	24,180.2	10,260.3	121.7	121.6	-90.70	-13,816.3	174.0	840.1	596.9	243.22	3.454	
24,300.0	10,249.7	24,280.2	10,259.8	122.5	122.4	-90.70	-13,916.3	173.0	840.1	595.1	244.93	3.430	
24,400.0	10,249.2	24,380.2	10,259.4	123.4	123.3	-90.70	-14,016.3	172.1	840.1	593.4	246.64	3.406	
24,500.0	10,248.8	24,480.2	10,258.9	124.2	124.2	-90.70	-14,116.3	171.2	840.1	591.7	248.35	3.383	
24,600.0	10,248.3	24,580.2	10,258.4	125.1	125.0	-90.70	-14,216.3	170.3	840.1	590.0	250.07	3.359	
24,700.0	10,247.8	24,680.2	10,258.0	125.9	125.9	-90.70	-14,316.3	169.4	840.1	588.3	251.78	3.337	
24,800.0	10,247.4	24,780.2	10,257.5	126.8	126.7	-90.70	-14,416.3	168.4	840.1	586.6	253.49	3.314	
24,900.0	10,246.9	24,880.2	10,257.0	127.7	127.6	-90.70	-14,516.3	167.5	840.1	584.9	255.20	3.292	
25,000.0	10,246.4	24,980.2	10,256.6	128.5	128.4	-90.70	-14,616.3	166.6	840.1	583.2	256.91	3.270	
25,100.0	10,246.0	25,080.2	10,256.1	129.4	129.3	-90.70	-14,716.3	165.7	840.1	581.5	258.62	3.248	
25,200.0	10,245.5	25,180.2	10,255.7	130.2	130.1	-90.70	-14,816.3	164.8	840.1	579.7	260.33	3.227	
25,300.0	10,245.1	25,280.2	10,255.2	131.1	131.0	-90.70	-14,916.3	163.8	840.1	578.0	262.04	3.206	
25,400.0	10,244.6	25,380.2	10,254.7	131.9	131.9	-90.70	-15,016.3	162.9	840.1	576.3	263.75	3.185	
25,500.0	10,244.1	25,480.2	10,254.3	132.8	132.7	-90.70	-15,116.3	162.0	840.1	574.6	265.46	3.165	
25,600.0	10,243.7	25,580.2	10,253.8	133.6	133.6	-90.70	-15,216.3	161.1	840.1	572.9	267.18	3.144	
25,700.0	10,243.2	25,680.2	10,253.3	134.5	134.4	-90.70	-15,316.3	160.2	840.1	571.2	268.89	3.124	
25,741.6	10,243.0	25,721.8	10,253.1	134.8	134.8	-90.70	-15,357.9	159.8	840.1	570.5	269.60	3.116 SF	

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

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Page 19

COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)	Rule Assigned: Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
0.0	0.0	0.0	0.0	3.0	3.0	-147.62	-45.1	-28.6	53.4					
100.0	100.0	99.7	99.7	3.0	3.0	-147.62	-45.1	-28.6	53.4	47.4	6.00	8.900		
200.0	200.0	199.7	199.7	3.0	3.0	-147.62	-45.1	-28.6	53.4	47.4	6.01	8.888		
300.0	300.0	299.7	299.7	3.0	3.0	-147.62	-45.1	-28.6	53.4	47.4	6.03	8.862		
400.0	400.0	399.7	399.7	3.0	3.0	-147.62	-45.1	-28.6	53.4	47.4	6.05	8.824		
500.0	500.0	499.7	499.7	3.1	3.1	-147.62	-45.1	-28.6	53.4	47.3	6.09	8.773		
600.0	600.0	599.7	599.7	3.1	3.1	-147.62	-45.1	-28.6	53.4	47.3	6.13	8.710		
700.0	700.0	699.7	699.7	3.1	3.1	-147.62	-45.1	-28.6	53.4	47.2	6.18	8.636		
800.0	800.0	799.7	799.7	3.2	3.2	-147.62	-45.1	-28.6	53.4	47.2	6.24	8.551		
900.0	900.0	899.7	899.7	3.2	3.2	-147.62	-45.1	-28.6	53.4	47.1	6.31	8.458		
1,000.0	1,000.0	999.7	999.7	3.2	3.2	-147.62	-45.1	-28.6	53.4	47.0	6.39	8.356		
1,100.0	1,100.0	1,099.7	1,099.7	3.3	3.3	-147.62	-45.1	-28.6	53.4	46.9	6.48	8.247		
1,200.0	1,200.0	1,199.7	1,199.7	3.4	3.4	-147.62	-45.1	-28.6	53.4	46.8	6.57	8.131		
1,300.0	1,300.0	1,299.7	1,299.7	3.4	3.4	-147.62	-45.1	-28.6	53.4	46.7	6.67	8.010		
1,400.0	1,400.0	1,399.7	1,399.7	3.5	3.5	-147.62	-45.1	-28.6	53.4	46.6	6.77	7.885		
1,500.0	1,500.0	1,499.7	1,499.7	3.5	3.5	-147.62	-45.1	-28.6	53.4	46.5	6.88	7.757		
1,600.0	1,600.0	1,599.7	1,599.7	3.6	3.6	-147.62	-45.1	-28.6	53.4	46.4	7.00	7.626		
1,700.0	1,700.0	1,699.7	1,699.7	3.7	3.7	-147.62	-45.1	-28.6	53.4	46.3	7.13	7.493		
1,800.0	1,800.0	1,799.7	1,799.7	3.8	3.8	-147.62	-45.1	-28.6	53.4	46.1	7.26	7.360		
1,900.0	1,900.0	1,899.7	1,899.7	3.9	3.9	-147.62	-45.1	-28.6	53.4	46.0	7.39	7.225		
2,000.0	2,000.0	1,999.7	1,999.7	3.9	3.9	-147.62	-45.1	-28.6	53.4	45.9	7.53	7.092		
2,100.0	2,100.0	2,099.7	2,099.7	4.0	4.0	-78.84	-45.1	-28.6	53.0	45.4	7.68	6.903		
2,200.0	2,199.8	2,199.5	2,199.5	4.1	4.1	-84.49	-45.1	-28.6	52.3	44.4	7.89	6.623		
2,262.4	2,262.1	2,261.8	2,261.8	4.1	4.2	-90.00	-45.1	-28.6	52.0	44.0	8.06	6.455 CC, ES		
2,300.0	2,299.5	2,299.2	2,299.2	4.1	4.2	-94.02	-45.1	-28.6	52.2	44.0	8.17	6.386		
2,400.0	2,398.7	2,398.4	2,398.4	4.2	4.3	-106.80	-45.1	-28.6	54.4	46.0	8.43	6.451		
2,500.0	2,497.7	2,497.4	2,497.4	4.2	4.4	-119.55	-45.1	-28.6	60.0	51.4	8.58	6.986		
2,600.0	2,596.8	2,598.5	2,598.5	4.3	4.5	-129.34	-43.9	-29.8	66.4	57.8	8.65	7.684		
2,700.0	2,695.8	2,700.4	2,700.2	4.3	4.6	-136.41	-40.1	-33.5	71.1	62.4	8.70	8.177		
2,800.0	2,794.8	2,801.3	2,800.8	4.4	4.6	-141.97	-34.2	-39.5	73.7	64.9	8.75	8.419		
2,900.0	2,893.8	2,901.0	2,900.1	4.5	4.7	-147.01	-28.1	-45.6	76.4	67.6	8.80	8.683		
3,000.0	2,992.9	3,000.8	2,999.5	4.6	4.8	-151.66	-21.9	-51.7	79.7	70.9	8.85	9.009		
3,100.0	3,091.9	3,100.5	3,098.9	4.6	4.9	-155.93	-15.7	-57.9	83.5	74.6	8.90	9.385		
3,200.0	3,190.9	3,200.3	3,198.2	4.7	5.0	-159.80	-9.6	-64.0	87.8	78.8	8.96	9.799		
3,300.0	3,289.9	3,300.0	3,297.6	4.8	5.1	-163.30	-3.4	-70.1	92.4	83.3	9.02	10.244		
3,400.0	3,389.0	3,399.7	3,397.0	4.9	5.2	-166.46	2.7	-76.3	97.3	88.2	9.08	10.709		
3,500.0	3,488.0	3,499.5	3,496.3	5.0	5.2	-169.31	8.9	-82.4	102.4	93.3	9.15	11.188		
3,600.0	3,587.0	3,599.2	3,595.7	5.0	5.3	-171.89	15.0	-88.5	107.8	98.6	9.23	11.676		
3,700.0	3,686.0	3,699.0	3,695.0	5.1	5.4	-174.21	21.2	-94.7	113.4	104.1	9.32	12.167		
3,800.0	3,785.1	3,798.7	3,794.4	5.2	5.5	-176.31	27.4	-100.8	119.2	109.8	9.42	12.658		
3,900.0	3,884.1	3,898.5	3,893.8	5.3	5.6	-178.22	33.5	-107.0	125.1	115.6	9.52	13.145		
4,000.0	3,983.1	3,998.2	3,993.1	5.4	5.7	-179.95	39.7	-113.1	131.1	121.5	9.62	13.626		
4,100.0	4,082.2	4,097.9	4,092.5	5.5	5.8	-178.47	45.8	-119.2	137.3	127.5	9.74	14.099		
4,200.0	4,181.2	4,197.7	4,191.9	5.6	5.9	-177.02	52.0	-125.4	143.5	133.6	9.85	14.562		
4,300.0	4,280.2	4,297.4	4,291.2	5.7	6.0	-175.70	58.1	-131.5	149.8	139.8	9.98	15.015		
4,400.0	4,379.2	4,397.2	4,390.6	5.8	6.1	-174.49	64.3	-137.6	156.2	146.1	10.11	15.457		
4,500.0	4,478.3	4,496.9	4,490.0	5.9	6.2	-173.37	70.5	-143.8	162.7	152.4	10.24	15.887		
4,600.0	4,577.3	4,596.7	4,589.3	6.0	6.3	-172.33	76.6	-149.9	169.2	158.8	10.38	16.304		
4,700.0	4,676.3	4,696.4	4,688.7	6.1	6.5	-171.38	82.8	-156.1	175.7	165.2	10.52	16.708		
4,800.0	4,775.3	4,796.1	4,788.0	6.2	6.6	-170.49	88.9	-162.2	182.3	171.7	10.66	17.099		
4,900.0	4,874.4	4,895.9	4,887.4	6.3	6.7	-169.66	95.1	-168.3	189.0	178.2	10.81	17.478		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9620-MWD+IFR1+FDIR						Rule Assigned:				Offset Well Error:	3.0 usft	
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		
5,000.0	4,973.4	4,995.6	4,986.8	6.5	6.8	168.89	101.2	-174.5	195.7	184.7	10.97	17.844		
5,100.0	5,072.4	5,095.4	5,086.1	6.6	6.9	168.18	107.4	-180.6	202.4	191.3	11.12	18.197		
5,200.0	5,171.5	5,195.1	5,185.5	6.7	7.0	167.50	113.6	-186.7	209.2	197.9	11.28	18.537		
5,300.0	5,270.5	5,294.9	5,284.9	6.8	7.1	166.88	119.7	-192.9	215.9	204.5	11.45	18.866		
5,400.0	5,369.5	5,394.6	5,384.2	6.9	7.2	166.28	125.9	-199.0	222.7	211.1	11.61	19.182		
5,500.0	5,468.5	5,494.3	5,483.6	7.0	7.3	165.73	132.0	-205.2	229.6	217.8	11.78	19.486		
5,600.0	5,567.6	5,594.1	5,583.0	7.1	7.4	165.20	138.2	-211.3	236.4	224.5	11.95	19.780		
5,700.0	5,666.6	5,693.8	5,682.3	7.2	7.6	164.71	144.3	-217.4	243.3	231.1	12.13	20.062		
5,800.0	5,765.6	5,793.6	5,781.7	7.4	7.7	164.24	150.5	-223.6	250.1	237.8	12.30	20.333		
5,900.0	5,864.6	5,893.3	5,881.0	7.5	7.8	163.80	156.7	-229.7	257.0	244.6	12.48	20.593		
6,000.0	5,963.7	5,993.1	5,980.4	7.6	7.9	163.38	162.8	-235.8	264.0	251.3	12.66	20.844		
6,100.0	6,062.7	6,092.8	6,079.8	7.7	8.0	162.98	169.0	-242.0	270.9	258.0	12.85	21.085		
6,200.0	6,161.7	6,192.5	6,179.1	7.8	8.1	162.60	175.1	-248.1	277.8	264.8	13.03	21.316		
6,300.0	6,260.7	6,292.3	6,278.5	8.0	8.2	162.24	181.3	-254.2	284.8	271.5	13.22	21.538		
6,400.0	6,359.8	6,392.0	6,377.9	8.1	8.4	161.90	187.4	-260.4	291.7	278.3	13.41	21.752		
6,500.0	6,458.8	6,491.8	6,477.2	8.2	8.5	161.57	193.6	-266.5	298.7	285.1	13.60	21.957		
6,600.0	6,557.8	6,591.5	6,576.6	8.3	8.6	161.26	199.7	-272.7	305.7	291.9	13.80	22.153		
6,700.0	6,656.9	6,691.3	6,675.9	8.4	8.7	160.96	205.9	-278.8	312.6	298.7	13.99	22.342		
6,800.0	6,755.9	6,791.0	6,775.3	8.6	8.8	160.68	212.1	-284.9	319.6	305.4	14.19	22.523		
6,900.0	6,854.9	6,890.7	6,874.7	8.7	9.0	160.41	218.2	-291.1	326.6	312.2	14.39	22.697		
7,000.0	6,953.9	6,990.5	6,974.0	8.8	9.1	160.15	224.4	-297.2	333.6	319.1	14.59	22.864		
7,100.0	7,053.0	7,090.2	7,073.4	8.9	9.2	159.90	230.5	-303.3	340.7	325.9	14.80	23.024		
7,200.0	7,152.0	7,190.0	7,172.8	9.1	9.3	159.66	236.7	-309.5	347.7	332.7	15.00	23.177		
7,300.0	7,251.0	7,289.7	7,272.1	9.2	9.4	159.42	242.8	-315.6	354.7	339.5	15.21	23.324		
7,400.0	7,350.0	7,389.5	7,371.5	9.3	9.5	159.20	249.0	-321.8	361.7	346.3	15.42	23.465		
7,500.0	7,449.1	7,485.3	7,467.0	9.5	9.7	159.07	254.4	-327.2	369.3	353.6	15.63	23.622		
7,580.3	7,528.6	7,561.8	7,543.4	9.6	9.8	159.10	258.0	-330.7	376.1	360.3	15.81	23.786		
7,600.0	7,548.1	7,580.6	7,562.2	9.6	9.8	159.13	258.7	-331.4	377.9	362.0	15.86	23.829		
7,700.0	7,647.3	7,675.9	7,657.3	9.7	9.9	159.32	261.9	-334.6	386.6	370.5	16.09	24.027		
7,800.0	7,746.7	7,771.0	7,752.4	9.8	10.0	159.59	263.9	-336.6	394.8	378.5	16.33	24.179		
7,900.0	7,846.3	7,866.1	7,847.5	10.0	10.1	159.92	264.8	-337.5	402.5	385.9	16.56	24.306		
8,000.0	7,946.0	7,964.3	7,945.7	10.1	10.2	160.29	264.9	-337.6	409.5	392.7	16.77	24.425		
8,100.0	8,045.8	8,064.1	8,045.5	10.2	10.3	160.57	264.9	-337.6	414.9	398.0	16.95	24.477		
8,200.0	8,145.7	8,164.1	8,145.4	10.3	10.5	160.77	264.9	-337.6	418.7	401.6	17.13	24.446		
8,300.0	8,245.7	8,264.0	8,245.4	10.4	10.6	160.88	264.9	-337.6	420.9	403.6	17.30	24.329		
8,380.3	8,326.0	8,344.3	8,325.7	10.5	10.7	90.29	264.9	-337.6	421.4	404.0	17.40	24.213		
8,400.0	8,345.7	8,364.0	8,345.4	10.5	10.7	90.29	264.9	-337.6	421.4	404.0	17.42	24.187		
8,500.0	8,445.7	8,464.0	8,445.4	10.6	10.8	90.29	264.9	-337.6	421.4	403.9	17.52	24.058		
8,600.0	8,545.7	8,564.0	8,545.4	10.7	10.9	90.29	264.9	-337.6	421.4	403.8	17.61	23.928		
8,700.0	8,645.7	8,664.0	8,645.4	10.8	11.0	90.29	264.9	-337.6	421.4	403.7	17.71	23.800		
8,800.0	8,745.7	8,764.0	8,745.4	10.9	11.2	90.29	264.9	-337.6	421.4	403.6	17.80	23.672		
8,900.0	8,845.7	8,864.0	8,845.4	11.0	11.3	90.29	264.9	-337.6	421.4	403.5	17.90	23.545		
9,000.0	8,945.7	8,964.0	8,945.4	11.1	11.4	90.29	264.9	-337.6	421.4	403.4	18.00	23.418		
9,100.0	9,045.7	9,064.0	9,045.4	11.2	11.5	90.29	264.9	-337.6	421.4	403.3	18.09	23.292		
9,200.0	9,145.7	9,164.0	9,145.4	11.3	11.6	90.29	264.9	-337.6	421.4	403.2	18.19	23.166		
9,300.0	9,245.7	9,264.0	9,245.4	11.4	11.7	90.29	264.9	-337.6	421.4	403.1	18.29	23.042		
9,400.0	9,345.7	9,364.0	9,345.4	11.5	11.9	90.29	264.9	-337.6	421.4	403.0	18.39	22.917		
9,500.0	9,445.7	9,464.0	9,445.4	11.6	12.0	90.29	264.9	-337.6	421.4	402.9	18.49	22.794		
9,509.3	9,455.0	9,473.3	9,454.7	11.6	12.0	90.29	264.9	-337.6	421.4	402.9	18.50	22.783		
9,600.0	9,545.7	9,563.1	9,544.4	11.7	12.1	90.43	263.9	-337.6	421.4	402.8	18.61	22.650		
9,700.0	9,645.7	9,658.3	9,638.6	11.8	12.8	92.27	250.3	-337.2	422.2	403.3	18.92	22.321		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
9,794.4	9,740.1	9,742.1	9,718.5	11.9	12.9	95.59	225.6	-336.4	425.2	405.9	19.29	22.038	
9,800.0	9,745.7	9,746.8	9,722.9	11.9	12.9	-82.37	223.9	-336.3	425.4	406.1	19.32	22.019	
9,850.0	9,795.6	9,788.5	9,761.0	11.9	12.9	-80.11	207.0	-335.8	428.3	408.7	19.59	21.863	
9,900.0	9,845.1	9,829.3	9,797.1	11.9	12.9	-77.95	187.8	-335.2	431.8	411.9	19.87	21.727	
9,950.0	9,893.8	9,869.3	9,831.0	11.9	13.0	-75.88	166.6	-334.6	435.7	415.5	20.17	21.596	
10,000.0	9,941.3	9,908.7	9,862.8	11.9	13.0	-73.93	143.5	-333.9	439.9	419.4	20.50	21.457	
10,050.0	9,987.3	9,950.0	9,894.4	12.0	13.1	-72.02	116.9	-333.0	444.3	423.4	20.85	21.308	
10,100.0	10,031.4	9,985.7	9,920.1	12.0	13.1	-70.42	92.2	-332.3	448.8	427.5	21.25	21.118	
10,150.0	10,073.3	10,023.4	9,945.6	12.0	13.2	-68.86	64.3	-331.4	453.3	431.6	21.67	20.912	
10,200.0	10,112.7	10,060.8	9,968.9	12.1	13.2	-67.45	35.1	-330.5	457.6	435.5	22.12	20.684	
10,250.0	10,149.2	10,100.0	9,991.3	12.1	13.3	-66.13	3.0	-329.5	461.8	439.2	22.58	20.452	
10,300.0	10,182.6	10,134.5	10,009.1	12.2	13.3	-65.05	-26.5	-328.6	465.7	442.6	23.08	20.175	
10,350.0	10,212.6	10,170.9	10,026.0	12.3	13.4	-64.08	-58.8	-327.6	469.2	445.6	23.57	19.906	
10,400.0	10,239.1	10,207.1	10,040.7	12.3	13.4	-63.25	-91.8	-326.6	472.3	448.2	24.05	19.635	
10,450.0	10,261.7	10,250.0	10,055.3	12.4	13.5	-62.49	-132.1	-325.4	475.0	450.5	24.48	19.402	
10,500.0	10,280.4	10,279.0	10,063.5	12.5	13.5	-62.04	-159.9	-324.5	477.0	452.0	24.96	19.109	
10,550.0	10,295.0	10,314.8	10,071.7	12.5	13.6	-61.65	-194.8	-323.4	478.5	453.2	25.37	18.862	
10,600.0	10,305.3	10,350.0	10,077.6	12.6	13.6	-61.41	-229.4	-322.4	479.5	453.8	25.74	18.630	
10,650.0	10,311.3	10,386.2	10,081.4	12.7	13.7	-61.32	-265.4	-321.3	479.9	453.8	26.06	18.416	
10,697.1	10,313.1	10,419.8	10,082.9	12.7	13.7	-61.37	-298.9	-320.2	479.7	453.4	26.31	18.232	
10,700.0	10,313.0	10,421.9	10,082.9	12.7	13.7	-61.37	-301.0	-320.2	479.6	453.3	26.32	18.221	
10,740.4	10,312.8	10,458.5	10,082.8	12.8	13.7	-61.38	-337.6	-319.0	479.6	453.0	26.57	18.047	
10,800.0	10,312.6	10,518.1	10,082.5	12.9	13.8	-61.38	-397.2	-317.2	479.6	452.6	26.98	17.777	
10,900.0	10,312.1	10,618.1	10,082.1	13.2	13.9	-61.38	-497.1	-314.1	479.5	451.8	27.73	17.293	
11,000.0	10,311.6	10,718.1	10,081.6	13.5	14.0	-61.38	-597.1	-311.0	479.5	450.9	28.56	16.787	
11,100.0	10,311.2	10,818.1	10,081.2	13.9	14.2	-61.37	-697.0	-308.0	479.5	450.0	29.47	16.269	
11,200.0	10,310.7	10,918.1	10,080.7	14.4	14.4	-61.37	-797.0	-304.9	479.5	449.0	30.45	15.747	
11,300.0	10,310.2	11,018.1	10,080.2	14.9	14.6	-61.37	-896.9	-301.8	479.4	448.0	31.48	15.228	
11,400.0	10,309.8	11,118.1	10,079.8	15.4	15.0	-61.37	-996.9	-298.7	479.4	446.8	32.57	14.718	
11,500.0	10,309.3	11,218.1	10,079.3	16.0	15.4	-61.37	-1,096.8	-295.6	479.4	445.7	33.71	14.219	
11,600.0	10,308.8	11,318.1	10,078.8	16.7	16.0	-61.37	-1,196.8	-292.6	479.4	444.5	34.90	13.736	
11,700.0	10,308.4	11,418.1	10,078.4	17.3	16.6	-61.37	-1,296.8	-289.5	479.3	443.2	36.12	13.269	
11,800.0	10,307.9	11,518.1	10,077.9	18.0	17.2	-61.36	-1,396.7	-286.4	479.3	441.9	37.38	12.821	
11,900.0	10,307.4	11,618.1	10,077.4	18.7	17.9	-61.36	-1,496.7	-283.3	479.3	440.6	38.68	12.392	
12,000.0	10,307.0	11,718.1	10,077.0	19.4	18.6	-61.36	-1,596.6	-280.2	479.3	439.3	40.00	11.981	
12,100.0	10,306.5	11,818.1	10,076.5	20.2	19.3	-61.36	-1,696.6	-277.2	479.2	437.9	41.35	11.589	
12,200.0	10,306.0	11,918.1	10,076.0	20.9	20.1	-61.36	-1,796.5	-274.1	479.2	436.5	42.73	11.216	
12,300.0	10,305.6	12,018.1	10,075.6	21.7	20.9	-61.36	-1,896.5	-271.0	479.2	435.1	44.12	10.860	
12,400.0	10,305.1	12,118.1	10,075.1	22.4	21.6	-61.36	-1,996.4	-267.9	479.2	433.6	45.54	10.522	
12,500.0	10,304.6	12,218.1	10,074.6	23.2	22.4	-61.36	-2,096.4	-264.9	479.1	432.2	46.98	10.200	
12,600.0	10,304.2	12,318.1	10,074.2	24.0	23.2	-61.35	-2,196.3	-261.8	479.1	430.7	48.43	9.894	
12,700.0	10,303.7	12,418.1	10,073.7	24.7	24.0	-61.35	-2,296.3	-258.7	479.1	429.2	49.89	9.603	
12,800.0	10,303.2	12,518.1	10,073.2	25.5	24.8	-61.35	-2,396.2	-255.6	479.1	427.7	51.37	9.325	
12,900.0	10,302.8	12,618.1	10,072.8	26.3	25.6	-61.35	-2,496.2	-252.5	479.0	426.2	52.87	9.062	
13,000.0	10,302.3	12,718.1	10,072.3	27.1	26.4	-61.35	-2,596.1	-249.5	479.0	424.7	54.37	8.811	
13,100.0	10,301.8	12,818.1	10,071.8	27.9	27.2	-61.35	-2,696.1	-246.4	479.0	423.1	55.88	8.571	
13,200.0	10,301.4	12,918.1	10,071.4	28.7	28.0	-61.35	-2,796.0	-243.3	479.0	421.6	57.41	8.343	
13,300.0	10,300.9	13,018.1	10,070.9	29.5	28.8	-61.35	-2,896.0	-240.2	479.0	420.0	58.94	8.126	
13,400.0	10,300.4	13,118.1	10,070.4	30.3	29.7	-61.34	-2,995.9	-237.1	478.9	418.4	60.48	7.918	
13,500.0	10,299.9	13,218.1	10,070.0	31.1	30.5	-61.34	-3,095.9	-234.1	478.9	416.9	62.03	7.720	
13,600.0	10,299.5	13,318.1	10,069.5	31.9	31.3	-61.34	-3,195.8	-231.0	478.9	415.3	63.59	7.531	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning	
Measured	Depth	Depth	Depth	Reference	Offset	Offset	Toolface	+N/-S	+E/-W	Between	Minimum	Separation	
Depth	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Separation	Factor	
(usft)		(usft)	(usft)							(usft)	(usft)		
13,700.0	10,299.0	13,418.1	10,069.1	32.8	32.1	-61.34	-3,295.8	-227.9	478.9	413.7	65.16	7.349	
13,800.0	10,298.5	13,518.1	10,068.6	33.6	33.0	-61.34	-3,395.7	-224.8	478.8	412.1	66.72	7.176	
13,900.0	10,298.1	13,618.1	10,068.1	34.4	33.8	-61.34	-3,495.7	-221.7	478.8	410.5	68.30	7.010	
14,000.0	10,297.6	13,718.1	10,067.7	35.2	34.6	-61.34	-3,595.6	-218.7	478.8	408.9	69.88	6.851	
14,100.0	10,297.1	13,818.1	10,067.2	36.1	35.5	-61.33	-3,695.6	-215.6	478.8	407.3	71.47	6.699	
14,200.0	10,296.7	13,918.1	10,066.7	36.9	36.3	-61.33	-3,795.5	-212.5	478.7	405.7	73.06	6.553	
14,300.0	10,296.2	14,018.1	10,066.3	37.7	37.1	-61.33	-3,895.5	-209.4	478.7	404.1	74.65	6.412	
14,400.0	10,295.7	14,118.1	10,065.8	38.5	38.0	-61.33	-3,995.4	-206.3	478.7	402.4	76.25	6.278	
14,500.0	10,295.3	14,218.1	10,065.3	39.4	38.8	-61.33	-4,095.4	-203.3	478.7	400.8	77.85	6.148	
14,600.0	10,294.8	14,318.1	10,064.9	40.2	39.7	-61.33	-4,195.3	-200.2	478.6	399.2	79.46	6.023	
14,700.0	10,294.3	14,418.1	10,064.4	41.0	40.5	-61.33	-4,295.3	-197.1	478.6	397.5	81.07	5.904	
14,800.0	10,293.9	14,518.1	10,063.9	41.9	41.3	-61.33	-4,395.2	-194.0	478.6	395.9	82.68	5.788	
14,900.0	10,293.4	14,618.1	10,063.5	42.7	42.2	-61.32	-4,495.2	-190.9	478.6	394.3	84.30	5.677	
15,000.0	10,292.9	14,718.1	10,063.0	43.5	43.0	-61.32	-4,595.2	-187.9	478.5	392.6	85.92	5.570	
15,100.0	10,292.5	14,818.1	10,062.5	44.4	43.9	-61.32	-4,695.1	-184.8	478.5	391.0	87.54	5.466	
15,200.0	10,292.0	14,918.1	10,062.1	45.2	44.7	-61.32	-4,795.1	-181.7	478.5	389.3	89.17	5.366	
15,300.0	10,291.5	15,018.1	10,061.6	46.1	45.6	-61.32	-4,895.0	-178.6	478.5	387.7	90.79	5.270	
15,372.0	10,291.2	15,090.1	10,061.3	46.7	46.2	-61.32	-4,967.0	-176.4	478.4	386.5	91.97	5.202	
15,372.8	10,291.2	15,090.9	10,061.3	46.7	46.2	-61.32	-4,967.8	-176.4	478.4	386.5	91.98	5.202	
15,400.0	10,291.1	15,120.2	10,061.1	46.9	46.4	-61.32	-4,997.1	-175.5	478.5	386.1	92.43	5.177	
15,482.5	10,290.7	15,216.9	10,060.7	47.6	47.2	-61.32	-5,093.7	-174.7	478.7	384.9	93.79	5.104	
15,488.1	10,290.7	15,222.3	10,060.7	47.6	47.3	-61.32	-5,099.2	-174.7	478.7	384.8	93.88	5.099	
15,500.0	10,290.6	15,234.2	10,060.6	47.7	47.4	-61.32	-5,111.0	-174.8	478.7	384.6	94.07	5.089	
15,600.0	10,290.1	15,334.2	10,060.1	48.6	48.2	-61.32	-5,211.0	-175.5	478.7	383.0	95.70	5.002	
15,700.0	10,289.7	15,434.2	10,059.7	49.4	49.1	-61.32	-5,311.0	-176.3	478.7	381.4	97.33	4.918	
15,800.0	10,289.2	15,534.2	10,059.2	50.3	49.9	-61.32	-5,411.0	-177.0	478.7	379.7	98.96	4.837	
15,900.0	10,288.7	15,634.2	10,058.8	51.1	50.8	-61.32	-5,511.0	-177.8	478.7	378.1	100.60	4.758	
16,000.0	10,288.3	15,734.2	10,058.3	51.9	51.6	-61.33	-5,611.0	-178.5	478.7	376.4	102.23	4.682	
16,100.0	10,287.8	15,834.2	10,057.8	52.8	52.4	-61.33	-5,711.0	-179.3	478.7	374.8	103.87	4.608	
16,200.0	10,287.3	15,934.2	10,057.4	53.6	53.3	-61.33	-5,811.0	-180.0	478.7	373.2	105.51	4.537	
16,300.0	10,286.9	16,034.2	10,056.9	54.5	54.1	-61.33	-5,911.0	-180.8	478.7	371.5	107.15	4.467	
16,400.0	10,286.4	16,134.2	10,056.4	55.3	55.0	-61.33	-6,011.0	-181.5	478.7	369.9	108.79	4.400	
16,500.0	10,286.0	16,234.2	10,056.0	56.1	55.8	-61.33	-6,111.0	-182.3	478.7	368.2	110.43	4.335	
16,600.0	10,285.5	16,334.2	10,055.5	57.0	56.7	-61.33	-6,211.0	-183.0	478.7	366.6	112.08	4.271	
16,700.0	10,285.0	16,434.2	10,055.0	57.8	57.5	-61.33	-6,311.0	-183.8	478.7	365.0	113.72	4.209	
16,800.0	10,284.6	16,534.2	10,054.6	58.7	58.4	-61.33	-6,411.0	-184.5	478.7	363.3	115.37	4.149	
16,900.0	10,284.1	16,634.2	10,054.1	59.5	59.2	-61.33	-6,511.0	-185.3	478.7	361.7	117.02	4.091	
17,000.0	10,283.6	16,734.2	10,053.7	60.4	60.1	-61.33	-6,611.0	-186.0	478.7	360.0	118.67	4.034	
17,100.0	10,283.2	16,834.2	10,053.2	61.2	60.9	-61.33	-6,711.0	-186.8	478.7	358.4	120.32	3.978	
17,200.0	10,282.7	16,934.2	10,052.7	62.1	61.8	-61.33	-6,811.0	-187.5	478.7	356.7	121.97	3.925	
17,300.0	10,282.2	17,034.2	10,052.3	62.9	62.6	-61.33	-6,911.0	-188.3	478.7	355.1	123.62	3.872	
17,400.0	10,281.8	17,134.2	10,051.8	63.7	63.5	-61.33	-7,011.0	-189.0	478.7	353.4	125.27	3.821	
17,500.0	10,281.3	17,234.2	10,051.3	64.6	64.3	-61.33	-7,111.0	-189.8	478.7	351.7	126.92	3.771	
17,600.0	10,280.8	17,334.2	10,050.9	65.4	65.2	-61.33	-7,211.0	-190.5	478.7	350.1	128.58	3.723	
17,700.0	10,280.4	17,434.2	10,050.4	66.3	66.0	-61.33	-7,311.0	-191.3	478.7	348.4	130.23	3.675	
17,800.0	10,279.9	17,534.2	10,050.0	67.1	66.9	-61.33	-7,410.9	-192.0	478.7	346.8	131.89	3.629	
17,900.0	10,279.4	17,634.2	10,049.5	68.0	67.7	-61.33	-7,510.9	-192.8	478.7	345.1	133.54	3.584	
18,000.0	10,279.0	17,734.2	10,049.0	68.8	68.6	-61.33	-7,610.9	-193.5	478.7	343.5	135.20	3.540	
18,100.0	10,278.5	17,834.2	10,048.6	69.7	69.4	-61.33	-7,710.9	-194.3	478.7	341.8	136.86	3.498	
18,200.0	10,278.0	17,934.2	10,048.1	70.5	70.3	-61.33	-7,810.9	-195.0	478.7	340.1	138.52	3.456	
18,300.0	10,277.6	18,034.2	10,047.6	71.4	71.1	-61.33	-7,910.9	-195.8	478.7	338.5	140.18	3.415	

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)						
18,400.0	10,277.1	18,134.2	10,047.2	72.2	72.0	-61.33	-8,010.9	-196.5	478.7	336.8	141.84	3.375		
18,500.0	10,276.6	18,234.2	10,046.7	73.1	72.8	-61.33	-8,110.9	-197.3	478.7	335.2	143.50	3.336		
18,600.0	10,276.2	18,334.2	10,046.2	73.9	73.7	-61.33	-8,210.9	-198.0	478.7	333.5	145.16	3.298		
18,700.0	10,275.7	18,434.2	10,045.8	74.8	74.5	-61.33	-8,310.9	-198.8	478.7	331.8	146.82	3.260		
18,800.0	10,275.2	18,534.2	10,045.3	75.6	75.4	-61.33	-8,410.9	-199.6	478.7	330.2	148.48	3.224		
18,900.0	10,274.8	18,634.2	10,044.9	76.5	76.2	-61.33	-8,510.9	-200.3	478.7	328.5	150.14	3.188		
19,000.0	10,274.3	18,734.2	10,044.4	77.3	77.1	-61.33	-8,610.9	-201.1	478.7	326.9	151.81	3.153		
19,100.0	10,273.9	18,834.2	10,043.9	78.2	77.9	-61.33	-8,710.9	-201.8	478.7	325.2	153.47	3.119		
19,200.0	10,273.4	18,934.2	10,043.5	79.0	78.8	-61.33	-8,810.9	-202.6	478.7	323.5	155.13	3.085		
19,300.0	10,272.9	19,034.2	10,043.0	79.9	79.6	-61.33	-8,910.9	-203.3	478.7	321.9	156.80	3.053		
19,400.0	10,272.5	19,134.2	10,042.5	80.7	80.5	-61.33	-9,010.9	-204.1	478.7	320.2	158.46	3.021		
19,500.0	10,272.0	19,234.2	10,042.1	81.6	81.3	-61.33	-9,110.9	-204.8	478.7	318.5	160.13	2.989		
19,600.0	10,271.5	19,334.2	10,041.6	82.4	82.2	-61.33	-9,210.9	-205.6	478.7	316.9	161.79	2.958		
19,700.0	10,271.1	19,434.2	10,041.2	83.3	83.0	-61.33	-9,310.9	-206.3	478.7	315.2	163.46	2.928		
19,800.0	10,270.6	19,534.2	10,040.7	84.1	83.9	-61.34	-9,410.9	-207.1	478.7	313.5	165.12	2.899		
19,900.0	10,270.1	19,634.2	10,040.2	85.0	84.7	-61.34	-9,510.9	-207.8	478.7	311.9	166.79	2.870		
20,000.0	10,269.7	19,734.2	10,039.8	85.8	85.6	-61.34	-9,610.9	-208.6	478.7	310.2	168.46	2.841		
20,100.0	10,269.2	19,834.2	10,039.3	86.7	86.5	-61.34	-9,710.9	-209.3	478.7	308.5	170.12	2.814		
20,200.0	10,268.7	19,934.2	10,038.8	87.5	87.3	-61.34	-9,810.9	-210.1	478.7	306.9	171.79	2.786		
20,300.0	10,268.3	20,034.2	10,038.4	88.4	88.2	-61.34	-9,910.8	-210.8	478.7	305.2	173.46	2.759		
20,400.0	10,267.8	20,134.2	10,037.9	89.2	89.0	-61.34	-10,010.8	-211.6	478.7	303.5	175.13	2.733		
20,500.0	10,267.3	20,234.2	10,037.5	90.1	89.9	-61.34	-10,110.8	-212.3	478.7	301.9	176.80	2.707		
20,600.0	10,266.9	20,334.2	10,037.0	90.9	90.7	-61.34	-10,210.8	-213.1	478.7	300.2	178.47	2.682		
20,701.7	10,266.4	20,435.9	10,036.5	91.8	91.6	-61.34	-10,312.5	-213.8	478.6	298.5	180.16	2.657		
20,701.7	10,266.4	20,435.9	10,036.5	91.8	91.6	-61.34	-10,312.5	-213.8	478.6	298.5	180.16	2.657		
20,706.5	10,266.4	20,440.9	10,036.5	91.8	91.6	-61.34	-10,317.5	-213.9	478.7	298.4	180.24	2.656		
20,800.0	10,265.9	20,534.9	10,036.1	92.6	92.4	-61.34	-10,411.5	-214.7	478.7	296.9	181.80	2.633		
20,900.0	10,265.5	20,634.9	10,035.6	93.5	93.3	-61.34	-10,511.5	-215.6	478.7	295.2	183.47	2.609		
21,000.0	10,265.0	20,734.9	10,035.1	94.3	94.1	-61.34	-10,611.5	-216.6	478.7	293.5	185.14	2.585		
21,100.0	10,264.6	20,834.9	10,034.7	95.2	95.0	-61.34	-10,711.5	-217.5	478.7	291.8	186.81	2.562		
21,200.0	10,264.1	20,934.9	10,034.2	96.1	95.9	-61.34	-10,811.5	-218.4	478.7	290.2	188.48	2.540		
21,300.0	10,263.6	21,034.9	10,033.7	96.9	96.7	-61.34	-10,911.5	-219.3	478.7	288.5	190.15	2.517		
21,400.0	10,263.2	21,134.9	10,033.3	97.8	97.6	-61.34	-11,011.5	-220.3	478.7	286.8	191.82	2.495		
21,500.0	10,262.7	21,234.9	10,032.8	98.6	98.4	-61.34	-11,111.5	-221.2	478.7	285.2	193.49	2.474		
21,600.0	10,262.2	21,334.9	10,032.3	99.5	99.3	-61.34	-11,211.5	-222.1	478.7	283.5	195.16	2.453		
21,700.0	10,261.8	21,434.9	10,031.9	100.3	100.1	-61.34	-11,311.5	-223.0	478.7	281.8	196.84	2.432		
21,800.0	10,261.3	21,534.9	10,031.4	101.2	101.0	-61.34	-11,411.5	-223.9	478.7	280.1	198.51	2.411		
21,900.0	10,260.8	21,634.9	10,030.9	102.0	101.8	-61.34	-11,511.5	-224.9	478.7	278.5	200.18	2.391		
22,000.0	10,260.4	21,734.9	10,030.5	102.9	102.7	-61.34	-11,611.5	-225.8	478.7	276.8	201.85	2.371		
22,100.0	10,259.9	21,834.9	10,030.0	103.7	103.5	-61.34	-11,711.5	-226.7	478.7	275.1	203.52	2.352		
22,200.0	10,259.4	21,934.9	10,029.5	104.6	104.4	-61.34	-11,811.5	-227.6	478.6	273.5	205.20	2.333		
22,300.0	10,259.0	22,034.9	10,029.1	105.4	105.2	-61.34	-11,911.5	-228.5	478.6	271.8	206.87	2.314		
22,400.0	10,258.5	22,134.9	10,028.6	106.3	106.1	-61.34	-12,011.5	-229.5	478.6	270.1	208.54	2.295		
22,500.0	10,258.1	22,234.9	10,028.2	107.1	107.0	-61.34	-12,111.5	-230.4	478.6	268.4	210.21	2.277		
22,600.0	10,257.6	22,334.9	10,027.7	108.0	107.8	-61.33	-12,211.4	-231.3	478.6	266.8	211.89	2.259		
22,700.0	10,257.1	22,434.9	10,027.2	108.9	108.7	-61.33	-12,311.4	-232.2	478.6	265.1	213.56	2.241		
22,800.0	10,256.7	22,534.9	10,026.8	109.7	109.5	-61.33	-12,411.4	-233.1	478.6	263.4	215.24	2.224		
22,900.0	10,256.2	22,634.9	10,026.3	110.6	110.4	-61.33	-12,511.4	-234.1	478.6	261.7	216.91	2.207		
23,000.0	10,255.7	22,734.9	10,025.8	111.4	111.2	-61.33	-12,611.4	-235.0	478.6	260.1	218.58	2.190		
23,100.0	10,255.3	22,834.9	10,025.4	112.3	112.1	-61.33	-12,711.4	-235.9	478.6	258.4	220.26	2.173		
23,200.0	10,254.8	22,934.9	10,024.9	113.1	112.9	-61.33	-12,811.4	-236.8	478.6	256.7	221.93	2.157		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9620-MWD+IFR1+FDIR								Rule Assigned:		Offset Well Error:	3.0 usft	
Measured Depth	Vertical	Measured Depth	Vertical	Reference	Offset	Highside Toolface	Offset Wellbore Centre		Distance Between Centres	Distance Between Ellipses	Minimum Separation	Separation Factor	Warning	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	+N/-S (usft)	+E/-W (usft)	(usft)	(usft)	(usft)			
23,300.0	10,254.3	23,034.9	10,024.4	114.0	113.8	-61.33	-12,911.4	-237.8	478.6	255.0	223.61	2.141		
23,400.0	10,253.9	23,134.9	10,024.0	114.8	114.7	-61.33	-13,011.4	-238.7	478.6	253.4	225.28	2.125		
23,500.0	10,253.4	23,234.9	10,023.5	115.7	115.5	-61.33	-13,111.4	-239.6	478.6	251.7	226.95	2.109		
23,600.0	10,252.9	23,334.9	10,023.0	116.5	116.4	-61.33	-13,211.4	-240.5	478.6	250.0	228.63	2.094		
23,700.0	10,252.5	23,434.9	10,022.6	117.4	117.2	-61.33	-13,311.4	-241.4	478.6	248.3	230.30	2.078		
23,800.0	10,252.0	23,534.9	10,022.1	118.2	118.1	-61.33	-13,411.4	-242.4	478.6	246.7	231.98	2.063		
23,900.0	10,251.6	23,634.9	10,021.6	119.1	118.9	-61.33	-13,511.4	-243.3	478.6	245.0	233.65	2.049		
24,000.0	10,251.1	23,734.9	10,021.2	120.0	119.8	-61.33	-13,611.4	-244.2	478.6	243.3	235.33	2.034		
24,100.0	10,250.6	23,834.9	10,020.7	120.8	120.6	-61.33	-13,711.4	-245.1	478.6	241.6	237.00	2.020		
24,200.0	10,250.2	23,934.9	10,020.2	121.7	121.5	-61.33	-13,811.4	-246.0	478.6	240.0	238.68	2.005		
24,300.0	10,249.7	24,034.9	10,019.8	122.5	122.4	-61.33	-13,911.4	-247.0	478.6	238.3	240.36	1.991 Advise and Monitor		
24,400.0	10,249.2	24,134.9	10,019.3	123.4	123.2	-61.33	-14,011.3	-247.9	478.6	236.6	242.03	1.978 Advise and Monitor		
24,500.0	10,248.8	24,234.9	10,018.9	124.2	124.1	-61.33	-14,111.3	-248.8	478.6	234.9	243.71	1.964 Advise and Monitor		
24,600.0	10,248.3	24,334.9	10,018.4	125.1	124.9	-61.33	-14,211.3	-249.7	478.6	233.3	245.38	1.951 Advise and Monitor		
24,700.0	10,247.8	24,434.9	10,017.9	125.9	125.8	-61.33	-14,311.3	-250.7	478.6	231.6	247.06	1.937 Advise and Monitor		
24,800.0	10,247.4	24,534.9	10,017.5	126.8	126.6	-61.33	-14,411.3	-251.6	478.6	229.9	248.74	1.924 Advise and Monitor		
24,900.0	10,246.9	24,634.9	10,017.0	127.7	127.5	-61.33	-14,511.3	-252.5	478.6	228.2	250.41	1.911 Advise and Monitor		
25,000.0	10,246.4	24,734.9	10,016.5	128.5	128.3	-61.33	-14,611.3	-253.4	478.6	226.6	252.09	1.899 Advise and Monitor		
25,100.0	10,246.0	24,834.9	10,016.1	129.4	129.2	-61.33	-14,711.3	-254.3	478.6	224.9	253.77	1.886 Advise and Monitor		
25,200.0	10,245.5	24,934.9	10,015.6	130.2	130.1	-61.33	-14,811.3	-255.3	478.6	223.2	255.44	1.874 Advise and Monitor		
25,300.0	10,245.1	25,034.9	10,015.1	131.1	130.9	-61.33	-14,911.3	-256.2	478.6	221.5	257.12	1.862 Advise and Monitor		
25,400.0	10,244.6	25,134.9	10,014.7	131.9	131.8	-61.33	-15,011.3	-257.1	478.6	219.8	258.80	1.849 Advise and Monitor		
25,500.0	10,244.1	25,234.9	10,014.2	132.8	132.6	-61.33	-15,111.3	-258.0	478.6	218.2	260.47	1.838 Advise and Monitor		
25,600.0	10,243.7	25,334.9	10,013.7	133.6	133.5	-61.33	-15,211.3	-258.9	478.6	216.5	262.15	1.826 Advise and Monitor		
25,700.0	10,243.2	25,434.9	10,013.3	134.5	134.3	-61.33	-15,311.3	-259.9	478.6	214.8	263.83	1.814 Advise and Monitor		
25,741.6	10,243.0	25,476.5	10,013.1	134.8	134.7	-61.33	-15,352.9	-260.2	478.6	214.1	264.52	1.809 Advise and Monitor, SF		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3003.4usft (P84)

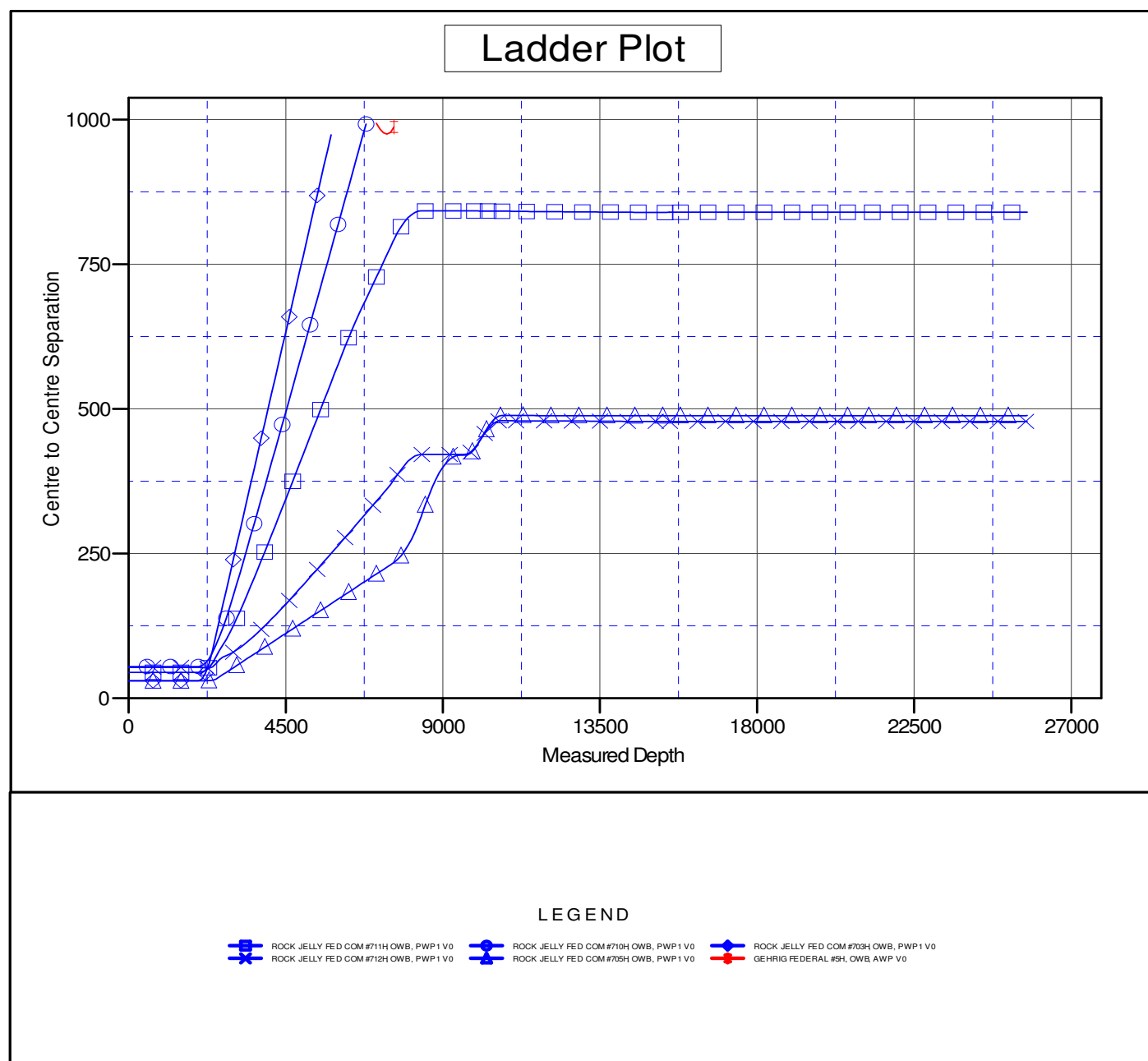
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #704H

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

Grid Convergence at Surface is: 0.19°



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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3003.4usft (P84)

Offset Depths are relative to Offset Datum

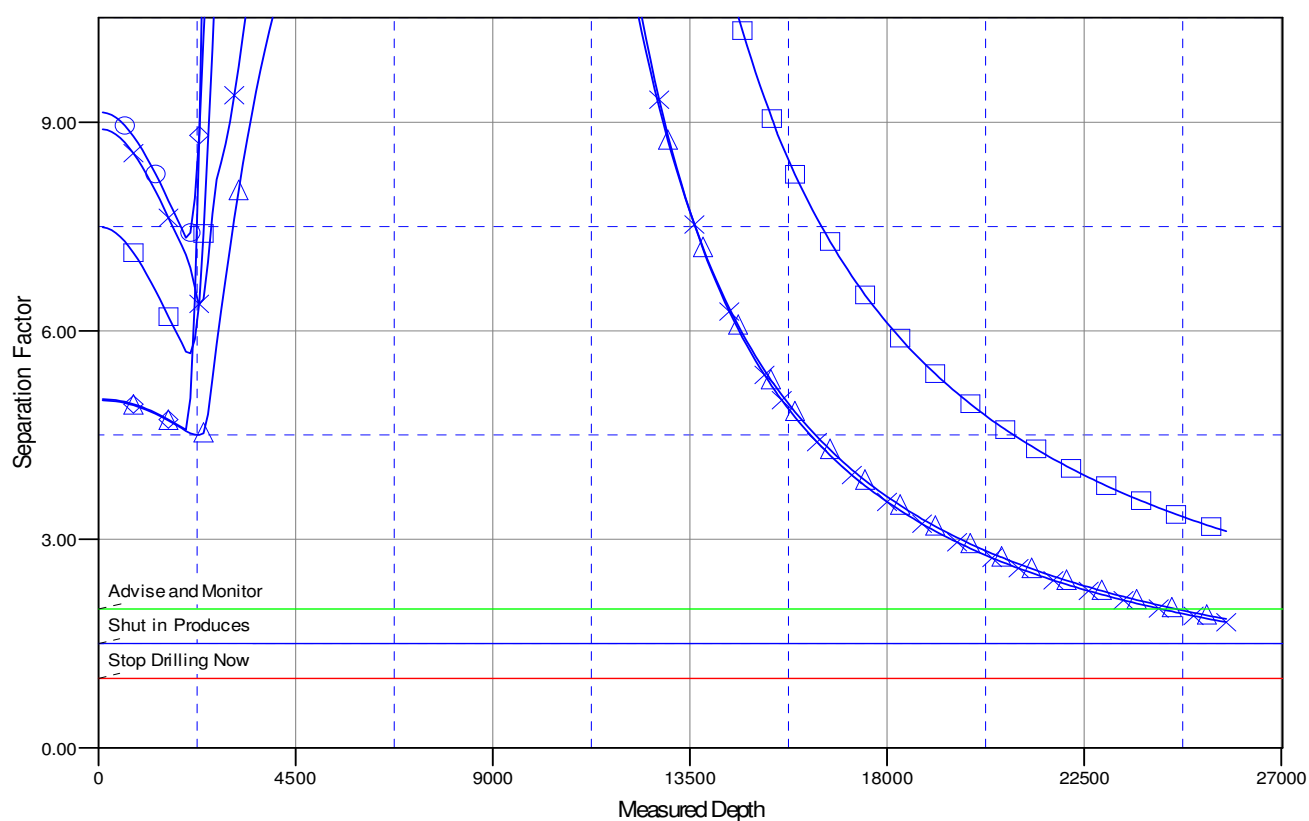
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #704H

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

Grid Convergence at Surface is: 0.19°

Separation Factor Plot



LEGEND

- ROCK JELLY FED COM #711H OWB, PWP1 V0
- ROCK JELLY FED COM #710H OWB, PWP1 V0
- ◆ ROCK JELLY FED COM #703H OWB, PWP1 V0
- × ROCK JELLY FED COM #712H OWB, PWP1 V0
- ▲ ROCK JELLY FED COM #705H OWB, PWP1 V0
- GEHRIG FEDERAL #5H, OWB, AWP V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #704H

OWB

Plan: PWP1

Standard Survey Report

18 January, 2022

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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

Site	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)		
Site Position:		Northing:	392,391.50 usft
From:	Map	Easting:	613,615.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 4' 41.768 N
		Longitude:	103° 57' 59.453 W
		Grid Convergence:	0.19 °

Well	ROCK JELLY FED COM #704H					
Well Position	+N/-S	0.0 usft	Northing:	392,240.60 usft	Latitude:	32° 4' 40.366 N
	+E/-W	0.0 usft	Easting:	610,869.30 usft	Longitude:	103° 58' 31.377 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	2,978.4 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	12/13/2021	6.65	59.69	47,531.31984517

Design	PWP1				
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	182.54	

Survey Tool Program	Date	1/18/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,721.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,721.0	25,741.6	PWP1 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

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	

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,100.0	2.00	289.38	2,100.0	0.6	-1.6	-0.5	2.00	2.00	0.00
2,200.0	4.00	289.38	2,199.8	2.3	-6.6	-2.0	2.00	2.00	0.00
2,300.0	6.00	289.38	2,299.5	5.2	-14.8	-4.5	2.00	2.00	0.00
2,400.0	8.00	289.38	2,398.7	9.3	-26.3	-8.1	2.00	2.00	0.00
Start 5180.3 hold at 2400.0 MD									
2,500.0	8.00	289.38	2,497.7	13.9	-39.4	-12.1	0.00	0.00	0.00
2,600.0	8.00	289.38	2,596.8	18.5	-52.6	-16.1	0.00	0.00	0.00
2,700.0	8.00	289.38	2,695.8	23.1	-65.7	-20.2	0.00	0.00	0.00
2,800.0	8.00	289.38	2,794.8	27.7	-78.8	-24.2	0.00	0.00	0.00
2,900.0	8.00	289.38	2,893.8	32.3	-91.9	-28.2	0.00	0.00	0.00
3,000.0	8.00	289.38	2,992.9	37.0	-105.1	-32.3	0.00	0.00	0.00
3,100.0	8.00	289.38	3,091.9	41.6	-118.2	-36.3	0.00	0.00	0.00
3,200.0	8.00	289.38	3,190.9	46.2	-131.3	-40.3	0.00	0.00	0.00
3,300.0	8.00	289.38	3,289.9	50.8	-144.5	-44.4	0.00	0.00	0.00
3,400.0	8.00	289.38	3,389.0	55.4	-157.6	-48.4	0.00	0.00	0.00
3,500.0	8.00	289.38	3,488.0	60.1	-170.7	-52.4	0.00	0.00	0.00
3,600.0	8.00	289.38	3,587.0	64.7	-183.8	-56.5	0.00	0.00	0.00
3,700.0	8.00	289.38	3,686.0	69.3	-197.0	-60.5	0.00	0.00	0.00
3,800.0	8.00	289.38	3,785.1	73.9	-210.1	-64.5	0.00	0.00	0.00
3,900.0	8.00	289.38	3,884.1	78.5	-223.2	-68.6	0.00	0.00	0.00
4,000.0	8.00	289.38	3,983.1	83.1	-236.4	-72.6	0.00	0.00	0.00
4,100.0	8.00	289.38	4,082.2	87.8	-249.5	-76.6	0.00	0.00	0.00
4,200.0	8.00	289.38	4,181.2	92.4	-262.6	-80.7	0.00	0.00	0.00
4,300.0	8.00	289.38	4,280.2	97.0	-275.7	-84.7	0.00	0.00	0.00
4,400.0	8.00	289.38	4,379.2	101.6	-288.9	-88.7	0.00	0.00	0.00
4,500.0	8.00	289.38	4,478.3	106.2	-302.0	-92.8	0.00	0.00	0.00
4,600.0	8.00	289.38	4,577.3	110.9	-315.1	-96.8	0.00	0.00	0.00
4,700.0	8.00	289.38	4,676.3	115.5	-328.3	-100.8	0.00	0.00	0.00
4,800.0	8.00	289.38	4,775.3	120.1	-341.4	-104.9	0.00	0.00	0.00
4,900.0	8.00	289.38	4,874.4	124.7	-354.5	-108.9	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
5,000.0	8.00	289.38	4,973.4	129.3	-367.6	-112.9	0.00	0.00	0.00
5,100.0	8.00	289.38	5,072.4	133.9	-380.8	-117.0	0.00	0.00	0.00
5,200.0	8.00	289.38	5,171.5	138.6	-393.9	-121.0	0.00	0.00	0.00
5,300.0	8.00	289.38	5,270.5	143.2	-407.0	-125.0	0.00	0.00	0.00
5,400.0	8.00	289.38	5,369.5	147.8	-420.2	-129.1	0.00	0.00	0.00
5,500.0	8.00	289.38	5,468.5	152.4	-433.3	-133.1	0.00	0.00	0.00
5,600.0	8.00	289.38	5,567.6	157.0	-446.4	-137.1	0.00	0.00	0.00
5,700.0	8.00	289.38	5,666.6	161.7	-459.5	-141.2	0.00	0.00	0.00
5,800.0	8.00	289.38	5,765.6	166.3	-472.7	-145.2	0.00	0.00	0.00
5,900.0	8.00	289.38	5,864.6	170.9	-485.8	-149.2	0.00	0.00	0.00
6,000.0	8.00	289.38	5,963.7	175.5	-498.9	-153.3	0.00	0.00	0.00
6,100.0	8.00	289.38	6,062.7	180.1	-512.1	-157.3	0.00	0.00	0.00
6,200.0	8.00	289.38	6,161.7	184.8	-525.2	-161.3	0.00	0.00	0.00
6,300.0	8.00	289.38	6,260.7	189.4	-538.3	-165.4	0.00	0.00	0.00
6,400.0	8.00	289.38	6,359.8	194.0	-551.4	-169.4	0.00	0.00	0.00
6,500.0	8.00	289.38	6,458.8	198.6	-564.6	-173.4	0.00	0.00	0.00
6,600.0	8.00	289.38	6,557.8	203.2	-577.7	-177.5	0.00	0.00	0.00
6,700.0	8.00	289.38	6,656.9	207.8	-590.8	-181.5	0.00	0.00	0.00
6,800.0	8.00	289.38	6,755.9	212.5	-604.0	-185.5	0.00	0.00	0.00
6,900.0	8.00	289.38	6,854.9	217.1	-617.1	-189.5	0.00	0.00	0.00
7,000.0	8.00	289.38	6,953.9	221.7	-630.2	-193.6	0.00	0.00	0.00
7,100.0	8.00	289.38	7,053.0	226.3	-643.3	-197.6	0.00	0.00	0.00
7,200.0	8.00	289.38	7,152.0	230.9	-656.5	-201.6	0.00	0.00	0.00
7,300.0	8.00	289.38	7,251.0	235.6	-669.6	-205.7	0.00	0.00	0.00
7,400.0	8.00	289.38	7,350.0	240.2	-682.7	-209.7	0.00	0.00	0.00
7,500.0	8.00	289.38	7,449.1	244.8	-695.9	-213.7	0.00	0.00	0.00
7,580.3	8.00	289.38	7,528.6	248.5	-706.4	-217.0	0.00	0.00	0.00
Start Drop -1.00									
7,600.0	7.80	289.38	7,548.1	249.4	-709.0	-217.8	1.00	-1.00	0.00
7,700.0	6.80	289.38	7,647.3	253.6	-720.9	-221.5	1.00	-1.00	0.00
7,800.0	5.80	289.38	7,746.7	257.3	-731.3	-224.6	1.00	-1.00	0.00
7,900.0	4.80	289.38	7,846.3	260.3	-740.0	-227.3	1.00	-1.00	0.00
8,000.0	3.80	289.38	7,946.0	262.8	-747.1	-229.5	1.00	-1.00	0.00
8,100.0	2.80	289.38	8,045.8	264.7	-752.5	-231.2	1.00	-1.00	0.00
8,200.0	1.80	289.38	8,145.7	266.1	-756.3	-232.3	1.00	-1.00	0.00
8,300.0	0.80	289.38	8,245.7	266.8	-758.5	-233.0	1.00	-1.00	0.00
8,380.3	0.00	0.00	8,326.0	267.0	-759.0	-233.1	1.00	-1.00	0.00
Start 1414.1 hold at 8380.3 MD									
8,400.0	0.00	0.00	8,345.7	267.0	-759.0	-233.1	0.00	0.00	0.00
8,500.0	0.00	0.00	8,445.7	267.0	-759.0	-233.1	0.00	0.00	0.00
8,600.0	0.00	0.00	8,545.7	267.0	-759.0	-233.1	0.00	0.00	0.00
8,700.0	0.00	0.00	8,645.7	267.0	-759.0	-233.1	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
8,800.0	0.00	0.00	8,745.7	267.0	-759.0	-233.1	0.00	0.00	0.00
8,900.0	0.00	0.00	8,845.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,000.0	0.00	0.00	8,945.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,100.0	0.00	0.00	9,045.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,200.0	0.00	0.00	9,145.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,300.0	0.00	0.00	9,245.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,400.0	0.00	0.00	9,345.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,500.0	0.00	0.00	9,445.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,545.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,700.0	0.00	0.00	9,645.7	267.0	-759.0	-233.1	0.00	0.00	0.00
9,794.4	0.00	0.00	9,740.1	267.0	-759.0	-233.1	0.00	0.00	0.00
Start DLS 10.00 TFO 178.22									
9,800.0	0.56	178.22	9,745.7	267.0	-759.0	-233.1	10.00	10.00	0.00
9,900.0	10.56	178.22	9,845.1	257.3	-758.7	-223.5	10.00	10.00	0.00
10,000.0	20.56	178.22	9,941.3	230.5	-757.9	-196.8	10.00	10.00	0.00
10,100.0	30.56	178.22	10,031.4	187.5	-756.5	-153.8	10.00	10.00	0.00
10,200.0	40.56	178.22	10,112.7	129.4	-754.7	-95.9	10.00	10.00	0.00
10,300.0	50.56	178.22	10,182.6	58.1	-752.5	-24.8	10.00	10.00	0.00
10,400.0	60.56	178.22	10,239.1	-24.2	-750.0	57.4	10.00	10.00	0.00
10,500.0	70.56	178.22	10,280.4	-115.1	-747.1	148.0	10.00	10.00	0.00
10,600.0	80.56	178.22	10,305.3	-211.7	-744.1	244.5	10.00	10.00	0.00
10,697.1	90.27	178.22	10,313.1	-308.4	-741.1	340.9	10.00	10.00	0.00
Start 4674.9 hold at 10697.1 MD									
10,700.0	90.27	178.22	10,313.0	-311.3	-741.0	343.8	0.00	0.00	0.00
10,800.0	90.27	178.22	10,312.6	-411.2	-737.9	443.5	0.00	0.00	0.00
10,900.0	90.27	178.22	10,312.1	-511.2	-734.8	543.2	0.00	0.00	0.00
11,000.0	90.27	178.22	10,311.6	-611.1	-731.7	642.9	0.00	0.00	0.00
11,100.0	90.27	178.22	10,311.2	-711.1	-728.6	742.6	0.00	0.00	0.00
11,200.0	90.27	178.22	10,310.7	-811.0	-725.5	842.3	0.00	0.00	0.00
11,300.0	90.27	178.22	10,310.2	-911.0	-722.4	942.1	0.00	0.00	0.00
11,400.0	90.27	178.22	10,309.8	-1,010.9	-719.3	1,041.8	0.00	0.00	0.00
11,500.0	90.27	178.22	10,309.3	-1,110.9	-716.2	1,141.5	0.00	0.00	0.00
11,600.0	90.27	178.22	10,308.8	-1,210.8	-713.1	1,241.2	0.00	0.00	0.00
11,700.0	90.27	178.22	10,308.4	-1,310.8	-710.0	1,340.9	0.00	0.00	0.00
11,800.0	90.27	178.22	10,307.9	-1,410.7	-706.9	1,440.6	0.00	0.00	0.00
11,900.0	90.27	178.22	10,307.4	-1,510.7	-703.8	1,540.4	0.00	0.00	0.00
12,000.0	90.27	178.22	10,307.0	-1,610.6	-700.7	1,640.1	0.00	0.00	0.00
12,100.0	90.27	178.22	10,306.5	-1,710.6	-697.5	1,739.8	0.00	0.00	0.00
12,200.0	90.27	178.22	10,306.0	-1,810.5	-694.4	1,839.5	0.00	0.00	0.00
12,300.0	90.27	178.22	10,305.6	-1,910.5	-691.3	1,939.2	0.00	0.00	0.00
12,400.0	90.27	178.22	10,305.1	-2,010.4	-688.2	2,038.9	0.00	0.00	0.00
12,500.0	90.27	178.22	10,304.6	-2,110.4	-685.1	2,138.6	0.00	0.00	0.00
12,600.0	90.27	178.22	10,304.2	-2,210.3	-682.0	2,238.4	0.00	0.00	0.00

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Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,700.0	90.27	178.22	10,303.7	-2,310.3	-678.9	2,338.1	0.00	0.00	0.00
12,800.0	90.27	178.22	10,303.2	-2,410.2	-675.8	2,437.8	0.00	0.00	0.00
12,900.0	90.27	178.22	10,302.8	-2,510.2	-672.7	2,537.5	0.00	0.00	0.00
13,000.0	90.27	178.22	10,302.3	-2,610.1	-669.6	2,637.2	0.00	0.00	0.00
13,100.0	90.27	178.22	10,301.8	-2,710.1	-666.5	2,736.9	0.00	0.00	0.00
13,200.0	90.27	178.22	10,301.4	-2,810.0	-663.4	2,836.6	0.00	0.00	0.00
13,300.0	90.27	178.22	10,300.9	-2,910.0	-660.3	2,936.4	0.00	0.00	0.00
13,400.0	90.27	178.22	10,300.4	-3,009.9	-657.2	3,036.1	0.00	0.00	0.00
13,500.0	90.27	178.22	10,299.9	-3,109.9	-654.1	3,135.8	0.00	0.00	0.00
13,600.0	90.27	178.22	10,299.5	-3,209.8	-651.0	3,235.5	0.00	0.00	0.00
13,700.0	90.27	178.22	10,299.0	-3,309.8	-647.9	3,335.2	0.00	0.00	0.00
13,800.0	90.27	178.22	10,298.5	-3,409.7	-644.7	3,434.9	0.00	0.00	0.00
13,900.0	90.27	178.22	10,298.1	-3,509.7	-641.6	3,534.7	0.00	0.00	0.00
14,000.0	90.27	178.22	10,297.6	-3,609.6	-638.5	3,634.4	0.00	0.00	0.00
14,100.0	90.27	178.22	10,297.1	-3,709.6	-635.4	3,734.1	0.00	0.00	0.00
14,200.0	90.27	178.22	10,296.7	-3,809.5	-632.3	3,833.8	0.00	0.00	0.00
14,300.0	90.27	178.22	10,296.2	-3,909.5	-629.2	3,933.5	0.00	0.00	0.00
14,400.0	90.27	178.22	10,295.7	-4,009.4	-626.1	4,033.2	0.00	0.00	0.00
14,500.0	90.27	178.22	10,295.3	-4,109.4	-623.0	4,132.9	0.00	0.00	0.00
14,600.0	90.27	178.22	10,294.8	-4,209.3	-619.9	4,232.7	0.00	0.00	0.00
14,700.0	90.27	178.22	10,294.3	-4,309.3	-616.8	4,332.4	0.00	0.00	0.00
14,800.0	90.27	178.22	10,293.9	-4,409.2	-613.7	4,432.1	0.00	0.00	0.00
14,900.0	90.27	178.22	10,293.4	-4,509.2	-610.6	4,531.8	0.00	0.00	0.00
15,000.0	90.27	178.22	10,292.9	-4,609.1	-607.5	4,631.5	0.00	0.00	0.00
15,100.0	90.27	178.22	10,292.5	-4,709.1	-604.4	4,731.2	0.00	0.00	0.00
15,200.0	90.27	178.22	10,292.0	-4,809.0	-601.3	4,831.0	0.00	0.00	0.00
15,300.0	90.27	178.22	10,291.5	-4,909.0	-598.2	4,930.7	0.00	0.00	0.00
15,372.0	90.27	178.22	10,291.2	-4,981.0	-595.9	5,002.5	0.00	0.00	0.00
Start DLS 2.00 TFO 90.03									
15,400.0	90.27	178.78	10,291.1	-5,009.0	-595.2	5,030.4	2.00	0.00	2.00
15,482.5	90.27	180.43	10,290.7	-5,091.5	-594.6	5,112.8	2.00	0.00	2.00
Start 5219.2 hold at 15482.5 MD									
15,500.0	90.27	180.43	10,290.6	-5,108.9	-594.8	5,130.3	0.00	0.00	0.00
15,600.0	90.27	180.43	10,290.1	-5,208.9	-595.5	5,230.2	0.00	0.00	0.00
15,700.0	90.27	180.43	10,289.7	-5,308.9	-596.3	5,330.1	0.00	0.00	0.00
15,800.0	90.27	180.43	10,289.2	-5,408.9	-597.0	5,430.1	0.00	0.00	0.00
15,900.0	90.27	180.43	10,288.7	-5,508.9	-597.8	5,530.0	0.00	0.00	0.00
16,000.0	90.27	180.43	10,288.3	-5,608.9	-598.5	5,629.9	0.00	0.00	0.00
16,100.0	90.27	180.43	10,287.8	-5,708.9	-599.3	5,729.9	0.00	0.00	0.00
16,200.0	90.27	180.43	10,287.3	-5,808.9	-600.0	5,829.8	0.00	0.00	0.00
16,300.0	90.27	180.43	10,286.9	-5,908.9	-600.8	5,929.7	0.00	0.00	0.00
16,400.0	90.27	180.43	10,286.4	-6,008.9	-601.5	6,029.6	0.00	0.00	0.00
16,500.0	90.27	180.43	10,286.0	-6,108.9	-602.3	6,129.6	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
16,600.0	90.27	180.43	10,285.5	-6,208.9	-603.0	6,229.5	0.00	0.00	0.00
16,700.0	90.27	180.43	10,285.0	-6,308.9	-603.8	6,329.4	0.00	0.00	0.00
16,800.0	90.27	180.43	10,284.6	-6,408.9	-604.5	6,429.4	0.00	0.00	0.00
16,900.0	90.27	180.43	10,284.1	-6,508.9	-605.3	6,529.3	0.00	0.00	0.00
17,000.0	90.27	180.43	10,283.6	-6,608.9	-606.0	6,629.2	0.00	0.00	0.00
17,100.0	90.27	180.43	10,283.2	-6,708.9	-606.8	6,729.2	0.00	0.00	0.00
17,200.0	90.27	180.43	10,282.7	-6,808.9	-607.5	6,829.1	0.00	0.00	0.00
17,300.0	90.27	180.43	10,282.2	-6,908.9	-608.3	6,929.0	0.00	0.00	0.00
17,400.0	90.27	180.43	10,281.8	-7,008.9	-609.0	7,029.0	0.00	0.00	0.00
17,500.0	90.27	180.43	10,281.3	-7,108.9	-609.8	7,128.9	0.00	0.00	0.00
17,600.0	90.27	180.43	10,280.8	-7,208.9	-610.5	7,228.8	0.00	0.00	0.00
17,700.0	90.27	180.43	10,280.4	-7,308.9	-611.3	7,328.8	0.00	0.00	0.00
17,800.0	90.27	180.43	10,279.9	-7,408.9	-612.0	7,428.7	0.00	0.00	0.00
17,900.0	90.27	180.43	10,279.4	-7,508.9	-612.8	7,528.6	0.00	0.00	0.00
18,000.0	90.27	180.43	10,279.0	-7,608.9	-613.5	7,628.6	0.00	0.00	0.00
18,100.0	90.27	180.43	10,278.5	-7,708.8	-614.3	7,728.5	0.00	0.00	0.00
18,200.0	90.27	180.43	10,278.0	-7,808.8	-615.0	7,828.4	0.00	0.00	0.00
18,300.0	90.27	180.43	10,277.6	-7,908.8	-615.8	7,928.3	0.00	0.00	0.00
18,400.0	90.27	180.43	10,277.1	-8,008.8	-616.5	8,028.3	0.00	0.00	0.00
18,500.0	90.27	180.43	10,276.6	-8,108.8	-617.3	8,128.2	0.00	0.00	0.00
18,600.0	90.27	180.43	10,276.2	-8,208.8	-618.0	8,228.1	0.00	0.00	0.00
18,700.0	90.27	180.43	10,275.7	-8,308.8	-618.8	8,328.1	0.00	0.00	0.00
18,800.0	90.27	180.43	10,275.2	-8,408.8	-619.5	8,428.0	0.00	0.00	0.00
18,900.0	90.27	180.43	10,274.8	-8,508.8	-620.3	8,527.9	0.00	0.00	0.00
19,000.0	90.27	180.43	10,274.3	-8,608.8	-621.0	8,627.9	0.00	0.00	0.00
19,100.0	90.27	180.43	10,273.9	-8,708.8	-621.8	8,727.8	0.00	0.00	0.00
19,200.0	90.27	180.43	10,273.4	-8,808.8	-622.5	8,827.7	0.00	0.00	0.00
19,300.0	90.27	180.43	10,272.9	-8,908.8	-623.3	8,927.7	0.00	0.00	0.00
19,400.0	90.27	180.43	10,272.5	-9,008.8	-624.0	9,027.6	0.00	0.00	0.00
19,500.0	90.27	180.43	10,272.0	-9,108.8	-624.8	9,127.5	0.00	0.00	0.00
19,600.0	90.27	180.43	10,271.5	-9,208.8	-625.5	9,227.5	0.00	0.00	0.00
19,700.0	90.27	180.43	10,271.1	-9,308.8	-626.3	9,327.4	0.00	0.00	0.00
19,800.0	90.27	180.43	10,270.6	-9,408.8	-627.0	9,427.3	0.00	0.00	0.00
19,900.0	90.27	180.43	10,270.1	-9,508.8	-627.8	9,527.2	0.00	0.00	0.00
20,000.0	90.27	180.43	10,269.7	-9,608.8	-628.5	9,627.2	0.00	0.00	0.00
20,100.0	90.27	180.43	10,269.2	-9,708.8	-629.3	9,727.1	0.00	0.00	0.00
20,200.0	90.27	180.43	10,268.7	-9,808.8	-630.0	9,827.0	0.00	0.00	0.00
20,300.0	90.27	180.43	10,268.3	-9,908.8	-630.8	9,927.0	0.00	0.00	0.00
20,400.0	90.27	180.43	10,267.8	-10,008.8	-631.5	10,026.9	0.00	0.00	0.00
20,500.0	90.27	180.43	10,267.3	-10,108.8	-632.3	10,126.8	0.00	0.00	0.00
20,600.0	90.27	180.43	10,266.9	-10,208.7	-633.1	10,226.8	0.00	0.00	0.00
20,700.0	90.27	180.43	10,266.4	-10,308.7	-633.8	10,326.7	0.00	0.00	0.00
20,701.7	90.27	180.43	10,266.4	-10,310.4	-633.8	10,328.4	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

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)
Start DLS 2.00 TFO 90.34									
20,706.5	90.27	180.53	10,266.4	-10,315.3	-633.9	10,333.2	2.00	-0.01	2.00
Start 5035.1 hold at 20706.5 MD									
20,800.0	90.27	180.53	10,265.9	-10,408.7	-634.7	10,426.6	0.00	0.00	0.00
20,900.0	90.27	180.53	10,265.5	-10,508.7	-635.6	10,526.6	0.00	0.00	0.00
21,000.0	90.27	180.53	10,265.0	-10,608.7	-636.6	10,626.5	0.00	0.00	0.00
21,100.0	90.27	180.53	10,264.6	-10,708.7	-637.5	10,726.4	0.00	0.00	0.00
21,200.0	90.27	180.53	10,264.1	-10,808.7	-638.4	10,826.4	0.00	0.00	0.00
21,300.0	90.27	180.53	10,263.6	-10,908.7	-639.3	10,926.3	0.00	0.00	0.00
21,400.0	90.27	180.53	10,263.2	-11,008.7	-640.2	11,026.3	0.00	0.00	0.00
21,500.0	90.27	180.53	10,262.7	-11,108.7	-641.2	11,126.2	0.00	0.00	0.00
21,600.0	90.27	180.53	10,262.2	-11,208.7	-642.1	11,226.1	0.00	0.00	0.00
21,700.0	90.27	180.53	10,261.8	-11,308.7	-643.0	11,326.1	0.00	0.00	0.00
21,800.0	90.27	180.53	10,261.3	-11,408.7	-643.9	11,426.0	0.00	0.00	0.00
21,900.0	90.27	180.53	10,260.8	-11,508.7	-644.8	11,525.9	0.00	0.00	0.00
22,000.0	90.27	180.53	10,260.4	-11,608.7	-645.8	11,625.9	0.00	0.00	0.00
22,100.0	90.27	180.53	10,259.9	-11,708.7	-646.7	11,725.8	0.00	0.00	0.00
22,200.0	90.27	180.53	10,259.4	-11,808.7	-647.6	11,825.8	0.00	0.00	0.00
22,300.0	90.27	180.53	10,259.0	-11,908.7	-648.5	11,925.7	0.00	0.00	0.00
22,400.0	90.27	180.53	10,258.5	-12,008.7	-649.4	12,025.6	0.00	0.00	0.00
22,500.0	90.27	180.53	10,258.1	-12,108.6	-650.4	12,125.6	0.00	0.00	0.00
22,600.0	90.27	180.53	10,257.6	-12,208.6	-651.3	12,225.5	0.00	0.00	0.00
22,700.0	90.27	180.53	10,257.1	-12,308.6	-652.2	12,325.4	0.00	0.00	0.00
22,800.0	90.27	180.53	10,256.7	-12,408.6	-653.1	12,425.4	0.00	0.00	0.00
22,900.0	90.27	180.53	10,256.2	-12,508.6	-654.0	12,525.3	0.00	0.00	0.00
23,000.0	90.27	180.53	10,255.7	-12,608.6	-655.0	12,625.3	0.00	0.00	0.00
23,100.0	90.27	180.53	10,255.3	-12,708.6	-655.9	12,725.2	0.00	0.00	0.00
23,200.0	90.27	180.53	10,254.8	-12,808.6	-656.8	12,825.1	0.00	0.00	0.00
23,300.0	90.27	180.53	10,254.3	-12,908.6	-657.7	12,925.1	0.00	0.00	0.00
23,400.0	90.27	180.53	10,253.9	-13,008.6	-658.6	13,025.0	0.00	0.00	0.00
23,500.0	90.27	180.53	10,253.4	-13,108.6	-659.6	13,124.9	0.00	0.00	0.00
23,600.0	90.27	180.53	10,252.9	-13,208.6	-660.5	13,224.9	0.00	0.00	0.00
23,700.0	90.27	180.53	10,252.5	-13,308.6	-661.4	13,324.8	0.00	0.00	0.00
23,800.0	90.27	180.53	10,252.0	-13,408.6	-662.3	13,424.8	0.00	0.00	0.00
23,900.0	90.27	180.53	10,251.6	-13,508.6	-663.2	13,524.7	0.00	0.00	0.00
24,000.0	90.27	180.53	10,251.1	-13,608.6	-664.2	13,624.6	0.00	0.00	0.00
24,100.0	90.27	180.53	10,250.6	-13,708.6	-665.1	13,724.6	0.00	0.00	0.00
24,200.0	90.27	180.53	10,250.2	-13,808.6	-666.0	13,824.5	0.00	0.00	0.00
24,300.0	90.27	180.53	10,249.7	-13,908.6	-666.9	13,924.4	0.00	0.00	0.00
24,400.0	90.27	180.53	10,249.2	-14,008.5	-667.9	14,024.4	0.00	0.00	0.00
24,500.0	90.27	180.53	10,248.8	-14,108.5	-668.8	14,124.3	0.00	0.00	0.00
24,600.0	90.27	180.53	10,248.3	-14,208.5	-669.7	14,224.3	0.00	0.00	0.00

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Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,700.0	90.27	180.53	10,247.8	-14,308.5	-670.6	14,324.2	0.00	0.00	0.00
24,800.0	90.27	180.53	10,247.4	-14,408.5	-671.5	14,424.1	0.00	0.00	0.00
24,900.0	90.27	180.53	10,246.9	-14,508.5	-672.5	14,524.1	0.00	0.00	0.00
25,000.0	90.27	180.53	10,246.4	-14,608.5	-673.4	14,624.0	0.00	0.00	0.00
25,100.0	90.27	180.53	10,246.0	-14,708.5	-674.3	14,723.9	0.00	0.00	0.00
25,200.0	90.27	180.53	10,245.5	-14,808.5	-675.2	14,823.9	0.00	0.00	0.00
25,300.0	90.27	180.53	10,245.1	-14,908.5	-676.1	14,923.8	0.00	0.00	0.00
25,400.0	90.27	180.53	10,244.6	-15,008.5	-677.1	15,023.8	0.00	0.00	0.00
25,500.0	90.27	180.53	10,244.1	-15,108.5	-678.0	15,123.7	0.00	0.00	0.00
25,600.0	90.27	180.53	10,243.7	-15,208.5	-678.9	15,223.6	0.00	0.00	0.00
25,700.0	90.27	180.53	10,243.2	-15,308.5	-679.8	15,323.6	0.00	0.00	0.00
25,741.6	90.27	180.53	10,243.0	-15,350.1	-680.2	15,365.2	0.00	0.00	0.00
TD at 25741.6									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
- hit/miss target									
- Shape									
PBHL(ROCK JELLY F	0.27	0.53	10,243.0	-15,350.1	-680.2	376,890.50	610,189.10	32° 2' 8.477 N	103° 58' 39.870 W
- plan hits target center									
- Rectangle (sides W100.0 H5,053.0 D20.0)									
LTP(ROCK JELLY FE	0.00	0.00	10,243.0	-15,219.9	-680.8	377,020.70	610,188.50	32° 2' 9.765 N	103° 58' 39.872 W
- plan misses target center by 1.9usft at 25611.4usft MD (10243.6 TVD, -15219.9 N, -679.0 E)									
- Point									
POI#2(ROCK JELLY I	0.27	0.43	10,266.4	-10,310.4	-633.8	381,930.17	610,235.49	32° 2' 58.350 N	103° 58' 39.138 W
- plan hits target center									
- Rectangle (sides W100.0 H5,332.0 D20.0)									
POI#1(ROCK JELLY I	0.27	358.22	10,291.2	-4,981.0	-595.9	387,259.64	610,273.38	32° 3' 51.092 N	103° 58' 38.494 W
- plan hits target center									
- Rectangle (sides W100.0 H5,235.0 D20.0)									
FTP(ROCK JELLY FE	0.00	0.00	10,313.0	17.0	-750.9	392,257.60	610,118.40	32° 4' 40.559 N	103° 58' 40.104 W
- plan misses target center by 84.6usft at 10400.0usft MD (10239.1 TVD, -24.2 N, -750.0 E)									
- Circle (radius 50.0)									

ConocoPhillips

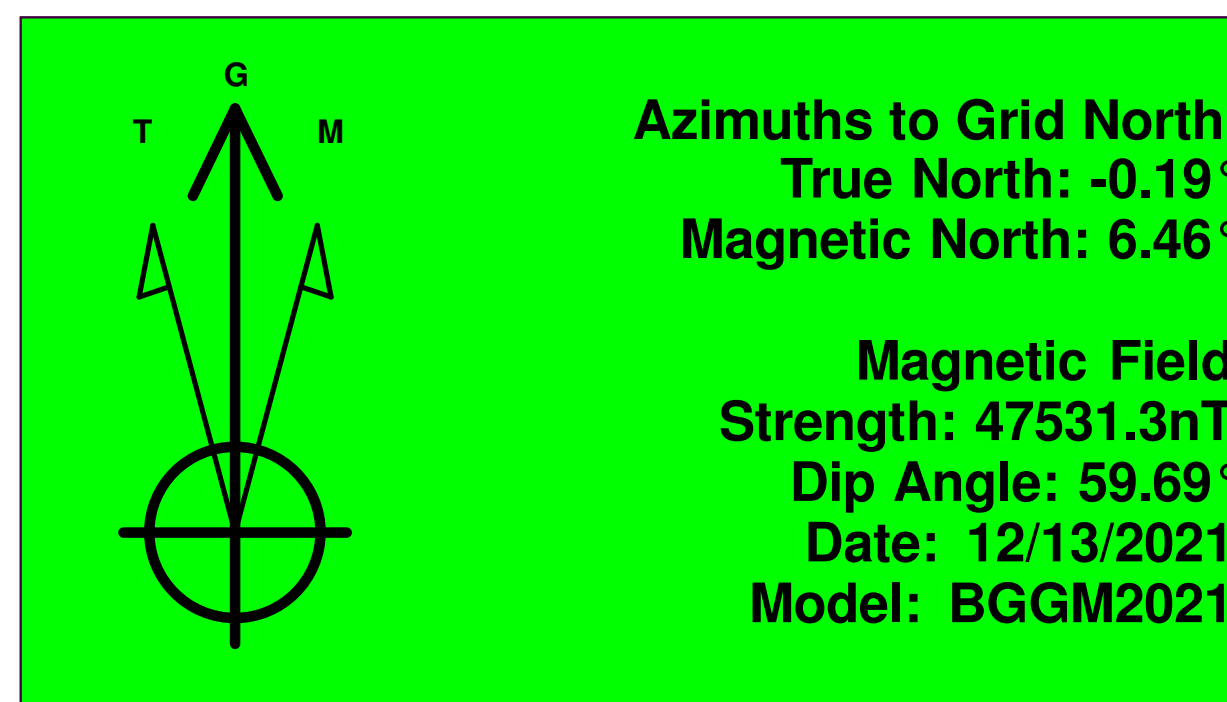
Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #704H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.4usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.4usft (P84)
Well:	ROCK JELLY FED COM #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2000	2000	0	0	Start Build 2.00
2400	2399	9	-26	Start 5180.3 hold at 2400.0 MD
7580	7529	248	-706	Start Drop -1.00
8380	8326	267	-759	Start 1414.1 hold at 8380.3 MD
9794	9740	267	-759	Start DLS 10.00 TFO 178.22
10,697	10,313	-308	-741	Start 4674.9 hold at 10697.1 MD
15,372	10,291	-4981	-596	Start DLS 2.00 TFO 90.03
15,483	10,291	-5091	-595	Start 5219.2 hold at 15482.5 MD
20,702	10,266	-10,310	-634	Start DLS 2.00 TFO 90.34
20,707	10,266	-10,315	-634	Start 5035.1 hold at 20706.5 MD
25,742	10,243	-15,350	-680	TD at 25741.6

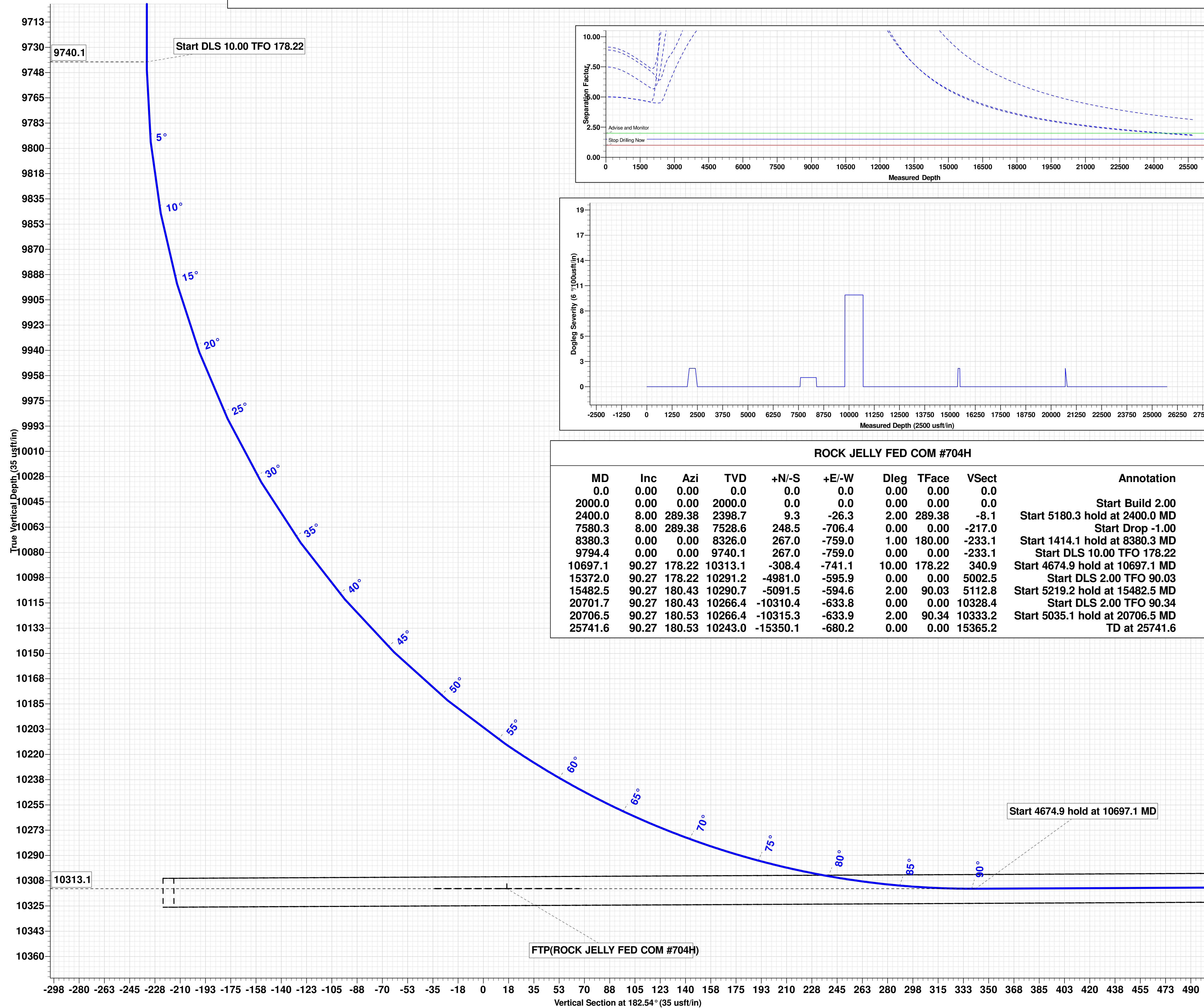
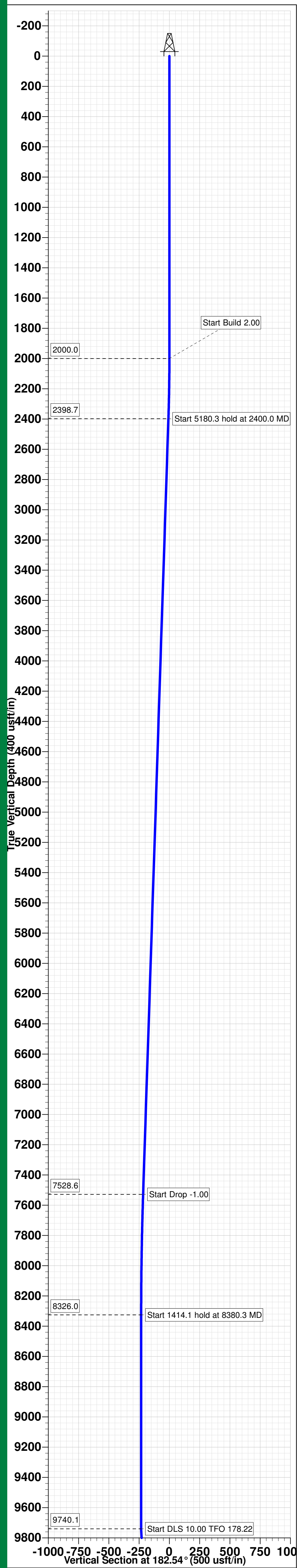
Checked By: _____ Approved By: _____ Date: _____



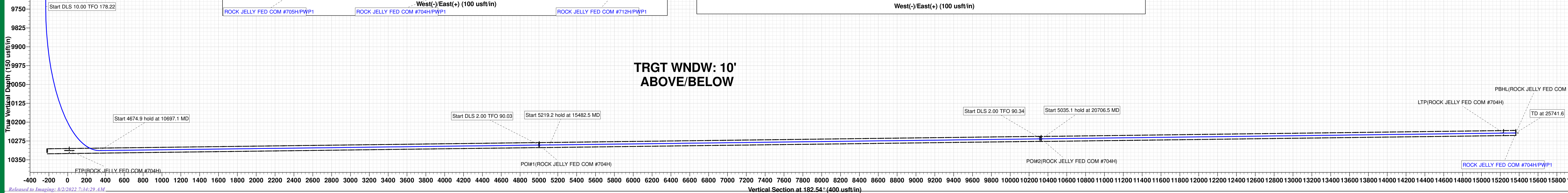
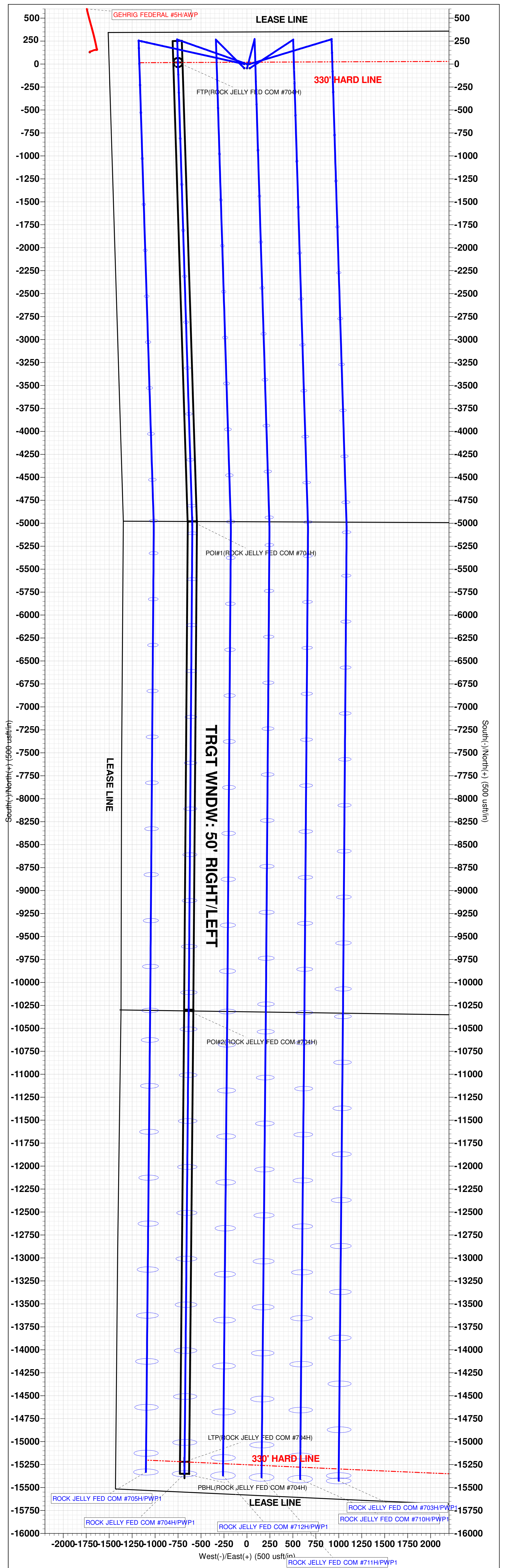
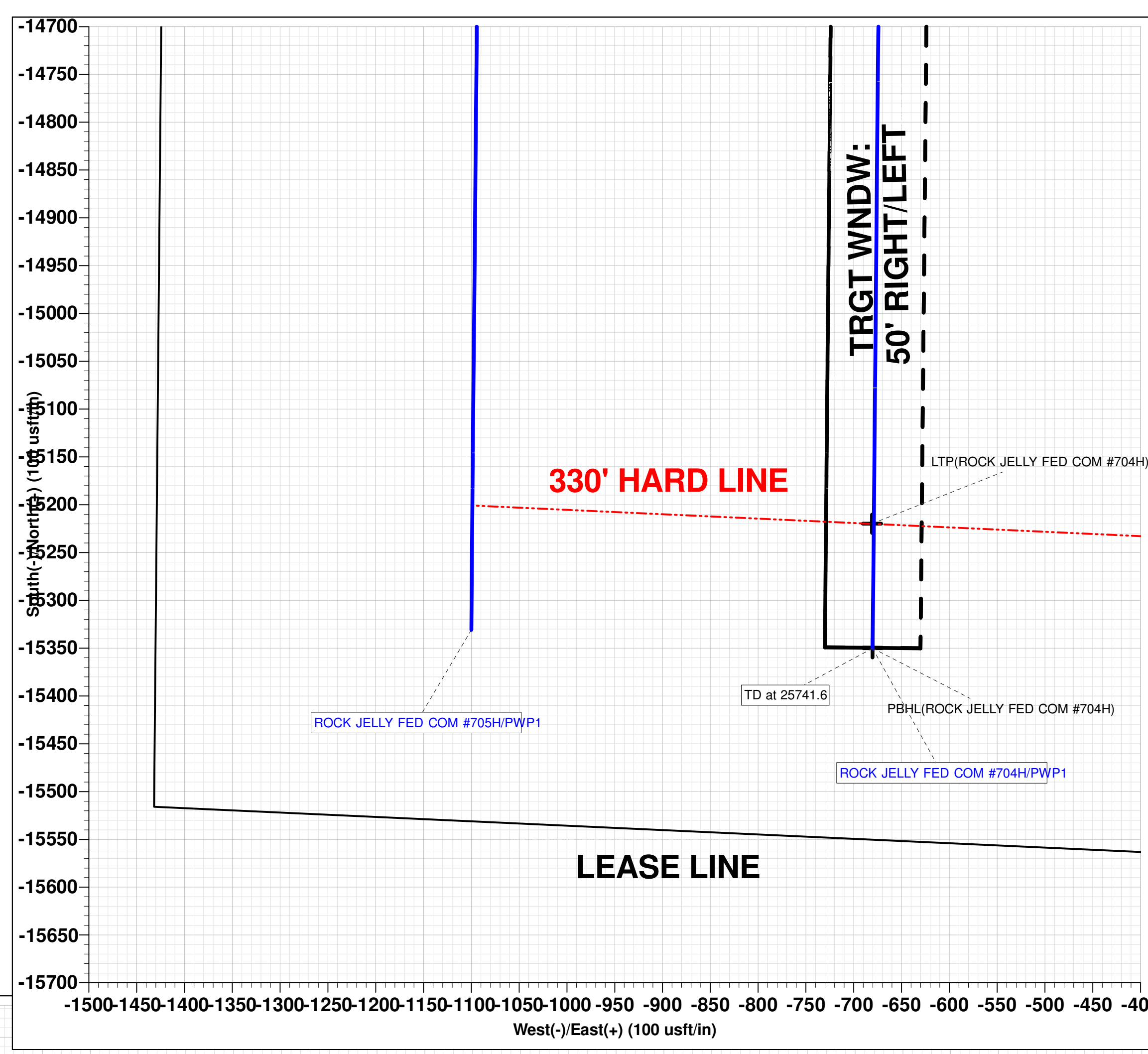
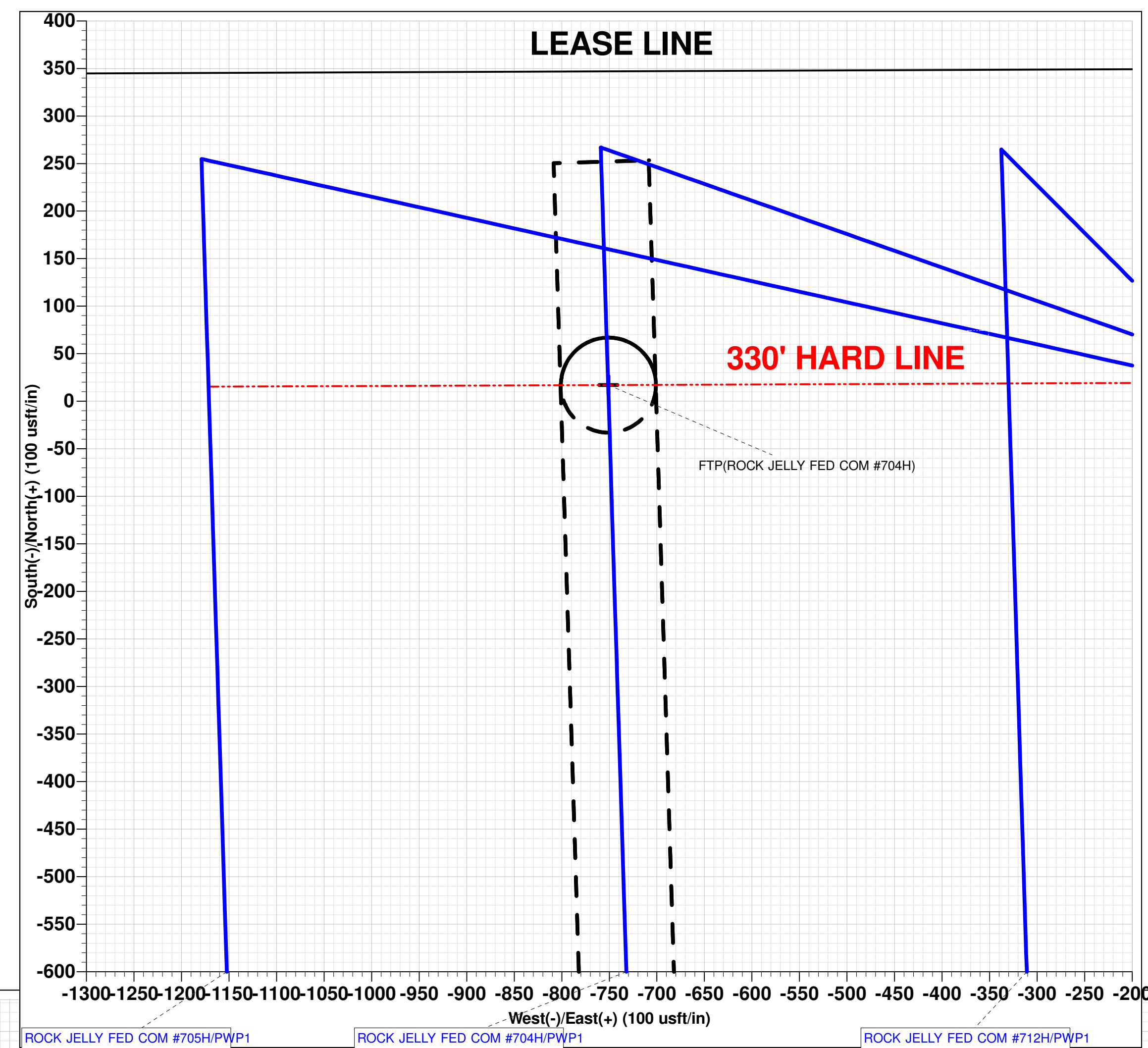
Project: ATLAS PROSPECT (NM-E)
Site: ROCK JELLY FEDERAL PROJECT (ATLAS 2629)
Well: ROCK JELLY FED COM #704H
Wellbore: OWB
Design: PWP1
GL: 2978.4
KB=25° @ 3003.4usft (P84)

WELL DETAILS: ROCK JELLY FED COM #704H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	392240.60	610869.30	32° 4' 40.366 N	103° 58' 31.377 W	

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP(ROCK JELLY FED COM #704H)	10243.0	-15219.9	-680.8	377020.70	610188.50	32° 2' 9.765 N
PBHL(ROCK JELLY FED COM #704H)	10243.0	-15350.1	-680.2	376890.50	610189.10	32° 2' 8.477 N
POI#2(ROCK JELLY FED COM #704H)	10266.4	-10310.4	-633.8	381930.17	610235.48	32° 2' 58.350 N
POI#1(ROCK JELLY FED COM #704H)	10291.2	-4981.0	-595.9	387259.64	610273.38	32° 3' 51.092 N
FTP(ROCK JELLY FED COM #704H)	10313.0	17.0	-750.9	392257.60	610118.40	32° 4' 40.559 N



ROCK JELLY FED COM #704H										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSEct	Annotation	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0		
2000.0	0.00	0.00	2000.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00	
2400.0	8.00	289.38	2398.7	9.3	-26.3	2.00	289.38	-8.1	Start 5180.3 hold at 2400.0 MD	
7580.3	8.00	289.38	7528.6	248.5	-706.4	0.00	0.00	-217.0	Start Drop -1.00	
8380.3	0.00	0.00	8326.0	267.0	-759.0	1.00	180.00	-233.1	Start 1414.1 hold at 8380.3 MD	
9794.4	0.00	0.00	9740.1	267.0	-759.0	0.00	0.00	-233.1	Start DLS 10.00 TFO 178.22	
10697.1	90.27	178.22	10313.1	-308.4	-741.1	10.00	178.22	340.9	Start 4674.9 hold at 10697.1 MD	
15372.0	90.27	178.22	10291.2	-4981.0	-595.9	0.00	0.00	5002.5	Start DLS 2.00 TFO 90.03	
15482.5	90.27	180.43	10290.7	-5091.5	-594.6	2.00	90.03	5112.8	Start 5219.2 hold at 15482.5 MD	
20701.7	90.27	180.43	10266.4	-10310.4	-633.8	0.00	0.00	10328.4	Start DLS 2.00 TFO 90.34	
20706.5	90.27	180.53	10266.4	-10315.3	-633.9	2.00	90.34	10333.2	Start 5035.1 hold at 20706.5 MD	
25741.6	90.27	180.53	10243.0	-15350.1	-680.2	0.00	0.00	15365.2	TD at 25741.6	



TRGT WNDW: 10'
ABOVE/BELOW

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

COMMENTS

Action 130211

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130211
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	Defining wells 30-015-47582 ROCK JELLY FEDERAL COM #702H & 703H	8/2/2022

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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State of New Mexico
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CONDITIONS

Action 130211

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130211
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	8/2/2022