

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. NMNM13997

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/702H

9. API Well No. 3001547582

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.)

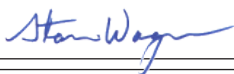
COG Operating requests a revision to our approved APD for this well to reflect a change in BHL.

Change BHL to: 200' FSL & 2430' FEL SWSE 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: NENE / 210 FNL / 1085 FEL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078004 / LONG: -103.975963 (TVD: 0 feet, MD: 0 feet)

PPP: NWNE / 1 FNL / 1485 FEL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.064253 / LONG: -103.968113 (TVD: 10148 feet, MD: 15100 feet)

PPP: SWNE / 2639 FSL / 1485 FEL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.071609 / LONG: -103.968249 (TVD: 10156 feet, MD: 12500 feet)

PPP: NWNE / 330 FNL / 1485 FEL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078063 / LONG: -103.968369 (TVD: 10035 feet, MD: 10117 feet)

BHL: SWSE / 200 FSL / 1485 FEL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.050236 / LONG: -103.96837 (TVD: 10133 feet, MD: 20241 feet)

CONFIDENTIAL

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

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (575) 746-1283 Fax: (575) 746-9720

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

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-47582	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 329756	Property Name ROCK JELLY FEDERAL COM	Well Number 702H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2977.8'

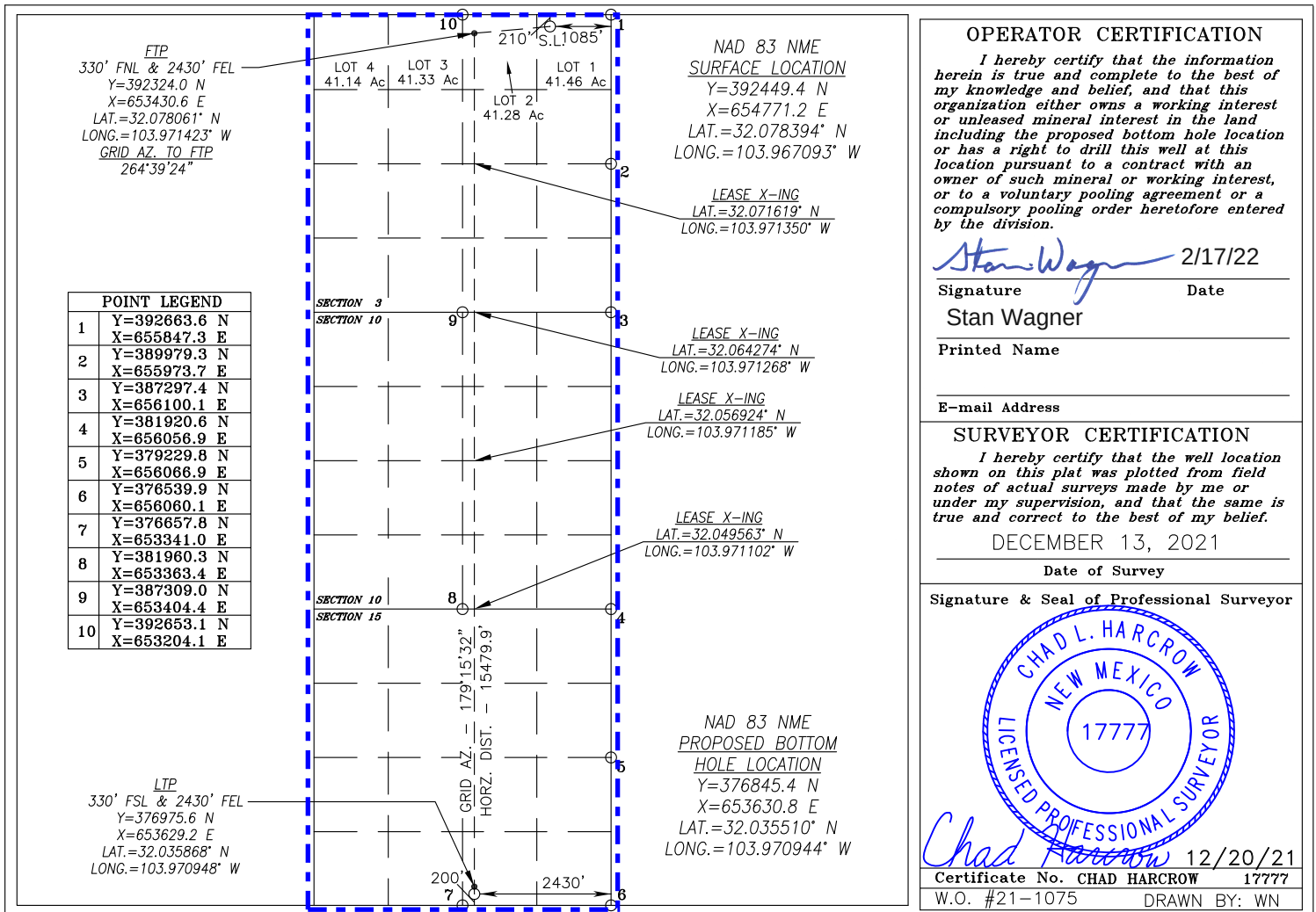
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
1	3	26-S	29-E		210	NORTH	1085	EAST	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
0	15	26-S	29-E		200	SOUTH	2430	EAST	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 702H

1. Geologic Formations

TVD of target	10,113' EOL	Pilot hole depth	NA
MD at TD:	25,738'	Deepest expected fresh water:	78'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	543	Water	
Top of Salt	688	Salt	
Base of Salt	2811	Salt	
Lamar	3037	Salt Water	
Bell Canyon	3079	Salt Water	
Cherry Canyon	3936	Oil/Gas	
Brushy Canyon	5226	Oil/Gas	
Bone Spring Lime	6793	Oil/Gas	
1st Bone Spring Sand	7741	Oil/Gas	
2nd Bone Spring Sand	8343	Oil/Gas	
3rd Bone Spring Sand	9638	Oil/Gas	
Wolfcamp A	10003	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	1.31	3.49	3.53
8.750"	7000	9550	7.625"	29.7	P110 RY	W 513	1.65	1.75	3.31	1.99
6.75"	0	9050	5.5"	23	P110 RY	TXP BTC	2.47	2.92	3.50	3.48
6.75"	9050	25,738	5.5"	23	P110 RY	W 441	2.47	2.97	3.56	3.24
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 702H

	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 702H

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	420	12.7	2	10.7	72	Lead: 50:50:10 H Blend
	1574	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	9,050'	35% OH in Lateral (KOP to EOL)

COG Operating, LLC - Rock Jelly Federal Com 702H

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 702H

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 702H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6575 psi at 10113' 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 #702H

OWB

PWP1

Anticollision Report

18 January, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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	1/11/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	9,759.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
9,759.0	25,738.0	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						
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #701H - OWB - PWP1	2,500.0	2,505.4	29.8	22.9	4.316	CC, ES
ROCK JELLY FED COM #701H - OWB - PWP1	25,738.0	25,934.8	493.8	228.4	1.861	Advise and Monitor, SF
ROCK JELLY FED COM #703H - OWB - PWP1	9,676.1	9,604.0	442.5	420.8	20.325	CC
ROCK JELLY FED COM #703H - OWB - PWP1	25,700.0	25,840.1	620.8	352.8	2.316	ES, SF
ROCK JELLY FED COM #706H - OWB - PWP1	1,916.5	1,917.0	60.1	53.6	9.197	CC
ROCK JELLY FED COM #706H - OWB - PWP1	2,000.0	2,000.0	60.1	53.5	9.132	ES, SF
ROCK JELLY FED COM #707H - OWB - PWP1	2,000.0	2,000.3	76.7	69.6	10.869	CC, ES, SF
ROCK JELLY FED COM #708H - OWB - PWP1	2,000.0	1,999.9	55.3	47.8	7.402	CC, ES, SF
ROCK JELLY FED COM #709H - OWB - PWP1	2,000.0	1,999.7	45.1	37.2	5.719	CC, ES
ROCK JELLY FED COM #709H - OWB - PWP1	25,738.0	25,641.8	840.0	568.2	3.091	SF
ROCK JELLY FED COM #710H - OWB - PWP1	9,698.1	9,592.5	861.2	840.8	42.339	CC
ROCK JELLY FED COM #710H - OWB - PWP1	25,700.0	25,549.4	996.8	726.0	3.681	ES, 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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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						
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #701H - OWB - PWP1	25,738.0	25,934.8	493.8	228.4	1.861	Advise and Monitor, SF
ROCK JELLY FED COM #703H - OWB - PWP1	25,738.0	25,856.7	621.6	353.4	2.318	
ROCK JELLY FED COM #706H - OWB - PWP1	25,738.0	25,942.4				Out of Range @TD
ROCK JELLY FED COM #707H - OWB - PWP1	25,738.0	25,650.7				Out of Range @TD
ROCK JELLY FED COM #708H - OWB - PWP1	25,738.0	25,881.4				Out of Range @TD
ROCK JELLY FED COM #709H - OWB - PWP1	25,738.0	25,641.8	840.0	568.2	3.091	SF
ROCK JELLY FED COM #710H - OWB - PWP1	25,738.0	25,552.1	997.8	727.0	3.684	

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #701H - OWB - PWP1														Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9871-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)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)							
0.0	0.0	0.2	0.2	3.0	3.0	89.81	0.1	30.0			30.0				
100.0	100.0	100.2	100.2	3.0	3.0	89.81	0.1	30.0			30.0	24.0	6.00	5.000	
200.0	200.0	200.2	200.2	3.0	3.0	89.81	0.1	30.0			30.0	24.0	6.00	4.997	
300.0	300.0	300.2	300.2	3.0	3.0	89.81	0.1	30.0			30.0	24.0	6.01	4.992	
400.0	400.0	400.2	400.2	3.0	3.0	89.81	0.1	30.0			30.0	24.0	6.02	4.985	
500.0	500.0	500.2	500.2	3.1	3.1	89.81	0.1	30.0			30.0	24.0	6.03	4.974	
600.0	600.0	600.2	600.2	3.1	3.1	89.81	0.1	30.0			30.0	24.0	6.05	4.961	
700.0	700.0	700.2	700.2	3.1	3.1	89.81	0.1	30.0			30.0	23.9	6.07	4.946	
800.0	800.0	800.2	800.2	3.2	3.2	89.81	0.1	30.0			30.0	23.9	6.09	4.928	
900.0	900.0	900.2	900.2	3.2	3.2	89.81	0.1	30.0			30.0	23.9	6.11	4.908	
1,000.0	1,000.0	1,000.2	1,000.2	3.2	3.2	89.81	0.1	30.0			30.0	23.9	6.14	4.885	
1,100.0	1,100.0	1,100.2	1,100.2	3.3	3.3	89.81	0.1	30.0			30.0	23.8	6.17	4.860	
1,200.0	1,200.0	1,200.2	1,200.2	3.4	3.4	89.81	0.1	30.0			30.0	23.8	6.21	4.834	
1,300.0	1,300.0	1,300.2	1,300.2	3.4	3.4	89.81	0.1	30.0			30.0	23.8	6.24	4.805	
1,400.0	1,400.0	1,400.2	1,400.2	3.5	3.5	89.81	0.1	30.0			30.0	23.7	6.28	4.774	
1,500.0	1,500.0	1,500.2	1,500.2	3.5	3.5	89.81	0.1	30.0			30.0	23.7	6.33	4.742	
1,600.0	1,600.0	1,600.2	1,600.2	3.6	3.6	89.81	0.1	30.0			30.0	23.6	6.37	4.708	
1,700.0	1,700.0	1,700.2	1,700.2	3.7	3.7	89.81	0.1	30.0			30.0	23.6	6.42	4.672	
1,800.0	1,800.0	1,800.2	1,800.2	3.8	3.8	89.81	0.1	30.0			30.0	23.5	6.47	4.635	
1,900.0	1,900.0	1,900.2	1,900.2	3.9	3.9	89.81	0.1	30.0			30.0	23.5	6.53	4.597	
2,000.0	2,000.0	2,000.2	2,000.2	3.9	3.9	89.81	0.1	30.0			30.0	23.4	6.58	4.558	
2,100.0	2,100.0	2,101.3	2,101.2	4.0	4.0	174.39	0.3	28.2			30.0	23.3	6.64	4.516	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1													Offset Site Error:	0.0 usft	
Survey Program:		0-Standard Keeper 104, 9871-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 usft
Measured Reference	Vertical	Measured Offset	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning		
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor			
2,200.0	2,199.8	2,202.3	2,202.1	4.0	4.0	173.99	1.0	22.9	29.9	23.2	6.70	4.469	4.316 CC, ES		
2,300.0	2,299.5	2,303.3	2,302.8	4.1	4.1	173.33	2.2	14.1	29.9	23.1	6.76	4.420			
2,400.0	2,398.7	2,404.4	2,403.0	4.1	4.1	172.40	3.8	1.7	29.8	23.0	6.83	4.368			
2,481.7	2,479.4	2,486.9	2,484.5	4.1	4.2	171.44	5.5	-10.9	29.8	22.9	6.88	4.325			
2,500.0	2,497.5	2,505.4	2,502.7	4.2	4.2	171.20	5.9	-14.1	29.8	22.9	6.89				
2,600.0	2,595.6	2,605.3	2,601.2	4.2	4.2	170.50	8.1	-31.3	31.6	24.6	6.98	4.526			
2,700.0	2,693.4	2,705.3	2,699.6	4.3	4.3	170.38	10.4	-48.5	35.2	28.1	7.08	4.967			
2,800.0	2,791.3	2,805.2	2,798.0	4.3	4.3	170.28	12.6	-65.7	38.7	31.5	7.18	5.391			
2,900.0	2,889.1	2,905.1	2,896.5	4.4	4.4	170.20	14.9	-82.9	42.3	35.0	7.30	5.796			
3,000.0	2,986.9	3,005.1	2,994.9	4.5	4.5	170.13	17.1	-100.1	45.9	38.4	7.42	6.183			
3,100.0	3,084.7	3,105.0	3,093.3	4.5	4.5	170.07	19.4	-117.3	49.4	41.9	7.54	6.551			
3,200.0	3,182.5	3,205.0	3,191.7	4.6	4.6	170.02	21.6	-134.5	53.0	45.3	7.68	6.902			
3,300.0	3,280.3	3,304.9	3,290.1	4.7	4.7	169.98	23.9	-151.7	56.5	48.7	7.82	7.234			
3,400.0	3,378.1	3,404.8	3,388.5	4.8	4.8	169.94	26.2	-168.9	60.1	52.1	7.96	7.550			
3,500.0	3,476.0	3,504.8	3,487.0	4.9	4.9	169.91	28.4	-186.2	63.7	55.6	8.11	7.848			
3,600.0	3,573.8	3,604.7	3,585.4	4.9	4.9	169.87	30.7	-203.4	67.2	59.0	8.27	8.131			
3,700.0	3,671.6	3,704.6	3,683.8	5.0	5.0	169.85	32.9	-220.6	70.8	62.4	8.43	8.397			
3,800.0	3,769.4	3,804.6	3,782.2	5.1	5.1	169.82	35.2	-237.8	74.4	65.8	8.60	8.649			
3,900.0	3,867.2	3,904.5	3,880.6	5.2	5.2	169.80	37.4	-255.0	77.9	69.2	8.77	8.887			
4,000.0	3,965.0	4,004.4	3,979.1	5.3	5.3	169.78	39.7	-272.2	81.5	72.5	8.94	9.111			
4,100.0	4,062.8	4,104.4	4,077.5	5.4	5.4	169.76	41.9	-289.4	85.1	75.9	9.12	9.322			
4,200.0	4,160.7	4,204.3	4,175.9	5.6	5.5	169.74	44.2	-306.6	88.6	79.3	9.31	9.521			
4,300.0	4,258.5	4,304.3	4,274.3	5.7	5.6	169.72	46.4	-323.8	92.2	82.7	9.49	9.709			
4,400.0	4,356.3	4,404.2	4,372.7	5.8	5.7	169.71	48.7	-341.0	95.7	86.1	9.69	9.886			
4,500.0	4,454.1	4,504.1	4,471.1	5.9	5.8	169.70	50.9	-358.2	99.3	89.4	9.88	10.052			
4,600.0	4,551.9	4,604.1	4,569.6	6.0	5.9	169.68	53.2	-375.4	102.9	92.8	10.08	10.209			
4,700.0	4,649.7	4,704.0	4,668.0	6.1	6.0	169.67	55.5	-392.6	106.4	96.2	10.28	10.358			
4,800.0	4,747.5	4,803.9	4,766.4	6.3	6.2	169.66	57.7	-409.8	110.0	99.5	10.48	10.497			
4,900.0	4,845.4	4,903.9	4,864.8	6.4	6.3	169.65	60.0	-427.0	113.6	102.9	10.68	10.629			
5,000.0	4,943.2	5,003.8	4,963.2	6.5	6.4	169.64	62.2	-444.3	117.1	106.2	10.89	10.753			
5,100.0	5,041.0	5,103.7	5,061.7	6.7	6.5	169.63	64.5	-461.5	120.7	109.6	11.10	10.870			
5,200.0	5,138.8	5,203.7	5,160.1	6.8	6.6	169.62	66.7	-478.7	124.3	112.9	11.32	10.981			
5,300.0	5,236.6	5,303.6	5,258.5	6.9	6.7	169.61	69.0	-495.9	127.8	116.3	11.53	11.086			
5,400.0	5,334.4	5,403.6	5,356.9	7.1	6.9	169.60	71.2	-513.1	131.4	119.6	11.75	11.185			
5,500.0	5,432.3	5,503.5	5,455.3	7.2	7.0	169.60	73.5	-530.3	134.9	123.0	11.97	11.278			
5,600.0	5,530.1	5,603.4	5,553.7	7.4	7.1	169.59	75.7	-547.5	138.5	126.3	12.19	11.366			
5,700.0	5,627.9	5,703.4	5,652.2	7.5	7.2	169.58	78.0	-564.7	142.1	129.7	12.41	11.450			
5,800.0	5,725.7	5,803.3	5,750.6	7.6	7.4	169.58	80.2	-581.9	145.6	133.0	12.63	11.529			
5,900.0	5,823.5	5,903.2	5,849.0	7.8	7.5	169.57	82.5	-599.1	149.2	136.3	12.86	11.604			
6,000.0	5,921.3	6,003.2	5,947.4	8.0	7.6	169.56	84.8	-616.3	152.8	139.7	13.09	11.675			
6,100.0	6,019.1	6,103.1	6,045.8	8.1	7.8	169.56	87.0	-633.5	156.3	143.0	13.31	11.742			
6,200.0	6,117.0	6,203.0	6,144.3	8.3	7.9	169.55	89.3	-650.7	159.9	146.4	13.54	11.805			
6,300.0	6,214.8	6,303.0	6,242.7	8.4	8.0	169.55	91.5	-667.9	163.5	149.7	13.78	11.866			
6,400.0	6,312.6	6,402.9	6,341.1	8.6	8.2	169.54	93.8	-685.1	167.0	153.0	14.01	11.923			
6,500.0	6,410.4	6,502.9	6,439.5	8.8	8.3	169.54	96.0	-702.4	170.6	156.3	14.24	11.977			
6,600.0	6,508.2	6,602.8	6,537.9	8.9	8.4	169.53	98.3	-719.6	174.2	159.7	14.48	12.029			
6,700.0	6,606.0	6,702.7	6,636.3	9.1	8.6	169.53	100.5	-736.8	177.7	163.0	14.71	12.078			
6,800.0	6,703.8	6,802.7	6,734.8	9.3	8.7	169.53	102.8	-754.0	181.3	166.3	14.95	12.125			
6,900.0	6,801.7	6,902.6	6,833.2	9.5	8.9	169.52	105.0	-771.2	184.8	169.7	15.19	12.169			
7,000.0	6,899.5	7,002.5	6,931.6	9.7	9.0	169.52	107.3	-788.4	188.4	173.0	15.43	12.211			
7,100.0	6,997.3	7,102.5	7,030.0	9.8	9.2	169.51	109.5	-805.6	192.0	176.3	15.67	12.251			

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

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Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9871-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)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
7,200.0	7,095.1	7,202.4	7,128.4	10.0	9.3	169.51	111.8	-822.8	195.5	179.6	15.91	12.289	
7,300.0	7,192.9	7,302.3	7,226.9	10.2	9.5	169.51	114.1	-840.0	199.1	182.9	16.15	12.326	
7,400.0	7,290.7	7,400.0	7,323.1	10.4	9.6	169.53	116.2	-856.5	203.0	186.6	16.39	12.384	
7,500.0	7,388.5	7,496.5	7,418.4	10.6	9.8	169.64	118.1	-871.2	208.5	191.9	16.64	12.531	
7,600.0	7,486.4	7,592.8	7,513.8	10.8	9.9	169.84	119.9	-884.4	215.6	198.7	16.89	12.765	
7,700.0	7,584.2	7,688.8	7,609.1	11.0	10.0	170.11	121.4	-895.9	224.4	207.3	17.15	13.082	
7,800.0	7,682.0	7,784.5	7,704.3	11.2	10.2	170.44	122.7	-905.8	234.8	217.4	17.42	13.479	
7,900.0	7,779.8	7,879.8	7,799.2	11.4	10.3	170.82	123.7	-914.1	246.8	229.1	17.69	13.950	
8,000.0	7,877.6	7,974.7	7,893.9	11.6	10.4	171.22	124.6	-920.8	260.5	242.5	17.97	14.492	
8,100.0	7,975.4	8,069.2	7,988.2	11.9	10.4	171.65	125.3	-925.9	275.8	257.5	18.26	15.102	
8,200.0	8,073.2	8,163.1	8,082.1	12.1	10.5	172.09	125.8	-929.4	292.7	274.1	18.55	15.774	
8,227.2	8,099.8	8,188.6	8,107.6	12.1	10.5	172.20	125.9	-930.1	297.5	278.9	18.64	15.967	
8,300.0	8,171.2	8,256.6	8,175.6	12.3	10.6	172.53	126.0	-931.5	310.7	291.9	18.85	16.481	
8,400.0	8,269.4	8,350.7	8,269.6	12.5	10.7	172.94	126.1	-932.0	328.7	309.6	19.13	17.187	
8,500.0	8,367.9	8,449.2	8,368.1	12.7	10.7	173.31	126.1	-932.0	345.6	326.2	19.31	17.899	
8,600.0	8,466.8	8,548.0	8,467.0	12.8	10.8	173.61	126.1	-932.0	360.7	341.2	19.48	18.513	
8,700.0	8,565.9	8,647.1	8,566.1	13.0	10.9	173.85	126.1	-932.0	374.1	354.5	19.66	19.032	
8,800.0	8,665.2	8,746.4	8,665.4	13.1	11.0	174.05	126.1	-932.0	385.9	366.0	19.83	19.456	
8,900.0	8,764.6	8,845.9	8,764.8	13.3	11.1	174.21	126.1	-932.0	395.9	375.9	20.00	19.790	
9,000.0	8,864.3	8,945.6	8,864.5	13.4	11.2	174.34	126.1	-932.0	404.2	384.0	20.17	20.034	
9,100.0	8,964.1	9,045.3	8,964.3	13.5	11.3	174.44	126.1	-932.0	410.7	390.4	20.34	20.191	
9,200.0	9,064.0	9,145.2	9,064.2	13.6	11.4	174.50	126.1	-932.0	415.5	395.0	20.51	20.264	
9,300.0	9,163.9	9,245.2	9,164.1	13.6	11.5	174.55	126.1	-932.0	418.6	397.9	20.67	20.253	
9,400.0	9,263.9	9,345.2	9,264.1	13.6	11.6	174.57	126.1	-932.0	419.9	399.1	20.83	20.162	
9,427.2	9,291.1	9,372.4	9,291.3	13.7	11.6	89.85	126.1	-932.0	420.0	399.1	20.86	20.133	
9,500.0	9,363.9	9,445.2	9,364.1	13.7	11.7	89.85	126.1	-932.0	420.0	399.1	20.92	20.073	
9,600.0	9,463.9	9,545.2	9,464.1	13.8	11.8	89.85	126.1	-932.0	420.0	399.0	21.01	19.991	
9,676.1	9,540.0	9,621.3	9,540.2	13.8	11.8	89.85	126.1	-932.0	420.0	398.9	21.08	19.929	
9,700.0	9,563.9	9,645.2	9,564.1	13.8	11.9	-87.53	126.1	-932.0	420.0	398.9	21.09	19.912	
9,750.0	9,613.7	9,695.0	9,613.9	13.8	11.9	-88.12	126.1	-932.0	419.8	398.7	21.10	19.897	
9,800.0	9,662.9	9,744.2	9,663.1	14.7	12.0	-89.30	126.1	-932.0	419.6	398.5	21.08	19.911	
9,822.6	9,684.9	9,766.1	9,685.1	14.7	12.0	-90.00	126.1	-932.0	419.6	398.5	21.04	19.943	
9,850.0	9,711.2	9,792.5	9,711.4	14.7	12.0	-90.99	126.1	-932.0	419.7	398.7	20.99	19.997	
9,900.0	9,758.2	9,839.5	9,758.4	14.7	12.0	-93.10	126.1	-932.0	420.3	399.4	20.87	20.136	
9,950.0	9,803.6	9,886.0	9,805.0	14.7	12.1	-95.56	125.9	-932.0	422.0	401.3	20.77	20.324	
10,000.0	9,846.9	9,935.9	9,854.7	14.8	12.1	-98.21	122.4	-931.8	424.9	404.2	20.72	20.511	
10,050.0	9,887.9	9,988.0	9,906.2	14.8	12.1	-100.83	114.2	-931.4	428.9	408.2	20.75	20.671	
10,100.0	9,926.3	10,042.7	9,959.1	14.9	12.1	-103.41	100.6	-930.8	433.9	413.0	20.88	20.778	
10,150.0	9,961.7	10,100.2	10,013.1	14.9	12.1	-105.93	80.9	-929.9	439.7	418.6	21.14	20.797	
10,200.0	9,993.9	10,161.0	10,067.7	15.0	12.2	-108.38	54.4	-928.6	446.2	424.7	21.57	20.692	
10,250.0	10,022.6	10,225.2	10,122.0	15.1	12.2	-110.72	20.2	-927.0	453.2	431.0	22.18	20.436	
10,300.0	10,047.7	10,293.3	10,175.0	15.1	12.3	-112.94	-22.4	-925.0	460.3	437.3	22.99	20.023	
10,350.0	10,068.9	10,365.4	10,225.3	15.2	12.4	-114.99	-74.0	-922.6	467.2	443.2	24.00	19.469	
10,400.0	10,086.1	10,441.6	10,270.8	15.3	12.5	-116.81	-135.0	-919.7	473.7	448.6	25.18	18.817	
10,450.0	10,099.1	10,521.8	10,309.6	15.3	12.6	-118.36	-205.0	-916.4	479.4	453.0	26.45	18.122	
10,500.0	10,107.9	10,605.6	10,339.2	15.4	12.7	-119.58	-283.2	-912.7	484.0	456.2	27.74	17.445	
10,550.0	10,112.4	10,692.1	10,357.5	15.4	12.8	-120.41	-367.6	-908.7	487.1	458.1	28.93	16.834	
10,578.7	10,113.0	10,742.7	10,362.3	15.4	12.8	-120.69	-417.9	-906.4	488.2	458.6	29.54	16.528	
10,600.0	10,112.9	10,777.3	10,362.9	15.4	12.9	-120.77	-452.4	-904.8	488.4	458.5	29.87	16.350	
10,700.0	10,112.4	10,877.3	10,362.5	15.5	13.0	-120.78	-552.3	-900.0	488.4	458.0	30.47	16.030	
10,800.0	10,111.9	10,977.3	10,362.1	15.6	13.2	-120.79	-652.2	-895.3	488.5	457.3	31.15	15.682	

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

ConocoPhillips

Anticollision Report

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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9871-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)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
10,900.0	10,111.5	11,077.3	10,361.8	15.7	13.5	-120.79	-752.1	-890.6	488.5	456.6	31.90	15.314		
11,000.0	10,111.0	11,177.3	10,361.4	15.8	13.9	-120.80	-852.0	-885.9	488.6	455.8	32.72	14.931		
11,100.0	10,110.5	11,277.3	10,361.0	15.9	14.4	-120.80	-951.9	-881.2	488.6	455.0	33.61	14.538		
11,200.0	10,110.1	11,377.3	10,360.6	16.1	14.9	-120.81	-1,051.8	-876.5	488.6	454.1	34.55	14.141		
11,300.0	10,109.6	11,477.3	10,360.2	16.4	15.5	-120.82	-1,151.7	-871.8	488.7	453.1	35.55	13.745		
11,400.0	10,109.2	11,577.3	10,359.8	16.9	16.1	-120.82	-1,251.6	-867.1	488.7	452.1	36.60	13.351		
11,500.0	10,108.7	11,677.3	10,359.4	17.4	16.7	-120.83	-1,351.4	-862.4	488.8	451.1	37.70	12.964		
11,600.0	10,108.2	11,777.3	10,359.0	18.0	17.4	-120.84	-1,451.3	-857.7	488.8	450.0	38.84	12.585		
11,700.0	10,107.8	11,877.3	10,358.6	18.7	18.1	-120.84	-1,551.2	-853.0	488.8	448.8	40.02	12.216		
11,800.0	10,107.3	11,977.3	10,358.2	19.3	18.8	-120.85	-1,651.1	-848.3	488.9	447.7	41.23	11.858		
11,900.0	10,106.9	12,077.3	10,357.8	20.0	19.5	-120.85	-1,751.0	-843.6	488.9	446.5	42.47	11.511		
12,000.0	10,106.4	12,177.3	10,357.4	20.8	20.2	-120.86	-1,850.9	-838.9	489.0	445.2	43.75	11.177		
12,100.0	10,105.9	12,277.3	10,357.0	21.5	21.0	-120.87	-1,950.8	-834.2	489.0	444.0	45.05	10.855		
12,200.0	10,105.5	12,377.3	10,356.6	22.2	21.7	-120.87	-2,050.7	-829.5	489.1	442.7	46.38	10.545		
12,300.0	10,105.0	12,477.3	10,356.2	23.0	22.5	-120.88	-2,150.5	-824.8	489.1	441.4	47.72	10.248		
12,400.0	10,104.6	12,577.3	10,355.8	23.7	23.2	-120.88	-2,250.4	-820.1	489.1	440.0	49.09	9.963		
12,500.0	10,104.1	12,677.3	10,355.4	24.5	24.0	-120.89	-2,350.3	-815.4	489.2	438.7	50.48	9.690		
12,600.0	10,103.6	12,777.3	10,355.0	25.3	24.8	-120.90	-2,450.2	-810.7	489.2	437.3	51.89	9.428		
12,700.0	10,103.2	12,877.3	10,354.6	26.0	25.6	-120.90	-2,550.1	-806.0	489.3	435.9	53.31	9.178		
12,800.0	10,102.7	12,977.3	10,354.3	26.8	26.4	-120.91	-2,650.0	-801.3	489.3	434.6	54.75	8.938		
12,900.0	10,102.3	13,077.3	10,353.9	27.6	27.2	-120.92	-2,749.9	-796.6	489.3	433.1	56.20	8.708		
13,000.0	10,101.8	13,177.3	10,353.5	28.4	28.0	-120.92	-2,849.8	-791.8	489.4	431.7	57.66	8.487		
13,100.0	10,101.3	13,277.3	10,353.1	29.2	28.8	-120.93	-2,949.7	-787.1	489.4	430.3	59.13	8.276		
13,200.0	10,100.9	13,377.3	10,352.7	30.0	29.6	-120.93	-3,049.5	-782.4	489.5	428.8	60.62	8.074		
13,300.0	10,100.4	13,477.3	10,352.3	30.8	30.4	-120.94	-3,149.4	-777.7	489.5	427.4	62.12	7.880		
13,400.0	10,099.9	13,577.3	10,351.9	31.6	31.2	-120.95	-3,249.3	-773.0	489.5	425.9	63.62	7.695		
13,500.0	10,099.5	13,677.3	10,351.5	32.4	32.0	-120.95	-3,349.2	-768.3	489.6	424.4	65.14	7.516		
13,600.0	10,099.0	13,777.3	10,351.1	33.2	32.8	-120.96	-3,449.1	-763.6	489.6	423.0	66.66	7.345		
13,700.0	10,098.6	13,877.3	10,350.7	34.0	33.7	-120.97	-3,549.0	-758.9	489.7	421.5	68.19	7.181		
13,800.0	10,098.1	13,977.3	10,350.3	34.8	34.5	-120.97	-3,648.9	-754.2	489.7	420.0	69.72	7.023		
13,900.0	10,097.6	14,077.3	10,349.9	35.7	35.3	-120.98	-3,748.8	-749.5	489.7	418.5	71.27	6.872		
14,000.0	10,097.2	14,177.3	10,349.5	36.5	36.1	-120.98	-3,848.7	-744.8	489.8	417.0	72.82	6.726		
14,100.0	10,096.7	14,277.3	10,349.1	37.3	37.0	-120.99	-3,948.5	-740.1	489.8	415.5	74.37	6.586		
14,200.0	10,096.3	14,377.3	10,348.7	38.1	37.8	-121.00	-4,048.4	-735.4	489.9	413.9	75.93	6.451		
14,300.0	10,095.8	14,477.3	10,348.3	39.0	38.6	-121.00	-4,148.3	-730.7	489.9	412.4	77.50	6.321		
14,400.0	10,095.3	14,577.3	10,347.9	39.8	39.5	-121.01	-4,248.2	-726.0	489.9	410.9	79.07	6.196		
14,500.0	10,094.9	14,677.3	10,347.5	40.6	40.3	-121.01	-4,348.1	-721.3	490.0	409.3	80.65	6.076		
14,600.0	10,094.4	14,777.3	10,347.1	41.4	41.1	-121.02	-4,448.0	-716.6	490.0	407.8	82.23	5.960		
14,700.0	10,094.0	14,877.3	10,346.8	42.3	42.0	-121.03	-4,547.9	-711.9	490.1	406.3	83.81	5.847		
14,800.0	10,093.5	14,977.3	10,346.4	43.1	42.8	-121.03	-4,647.8	-707.2	490.1	404.7	85.40	5.739		
14,900.0	10,093.0	15,077.3	10,346.0	43.9	43.6	-121.04	-4,747.6	-702.5	490.2	403.2	86.99	5.635		
15,000.0	10,092.6	15,177.3	10,345.6	44.8	44.5	-121.05	-4,847.5	-697.8	490.2	401.6	88.58	5.534		
15,100.0	10,092.1	15,277.3	10,345.2	45.6	45.3	-121.05	-4,947.4	-693.1	490.2	400.1	90.18	5.436		
15,200.0	10,091.6	15,377.3	10,344.8	46.5	46.2	-121.06	-5,047.3	-688.4	490.3	398.5	91.78	5.342		
15,275.4	10,091.3	15,452.7	10,344.5	47.1	46.8	-121.06	-5,122.6	-684.8	490.3	397.3	92.99	5.273		
15,300.0	10,091.2	15,478.0	10,344.4	47.3	47.0	-121.06	-5,147.9	-683.6	490.4	397.0	93.39	5.251		
15,400.0	10,090.7	15,595.2	10,343.9	48.1	48.0	-121.03	-5,265.1	-680.7	490.8	395.6	95.22	5.154		
15,433.7	10,090.6	15,634.7	10,343.8	48.4	48.3	-121.03	-5,304.6	-680.8	490.8	395.0	95.81	5.123		
15,434.0	10,090.6	15,635.0	10,343.8	48.4	48.3	-121.03	-5,304.9	-680.8	490.8	395.0	95.81	5.122		
15,500.0	10,090.3	15,700.6	10,343.5	49.0	48.9	-121.03	-5,370.5	-681.3	490.8	393.9	96.86	5.067		
15,600.0	10,089.8	15,800.6	10,343.1	49.8	49.7	-121.04	-5,470.5	-682.2	490.8	392.4	98.46	4.985		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9871-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	
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor
										(usft)	(usft)	(usft)	
15,700.0	10,089.3	15,900.6	10,342.7	50.6	50.6	-121.05	-121.05	-5,570.5	-683.0	490.8	390.8	100.06	4.906
15,800.0	10,088.9	16,000.6	10,342.3	51.5	51.4	-121.06	-121.06	-5,670.5	-683.9	490.9	389.2	101.66	4.828
15,900.0	10,088.4	16,100.6	10,341.9	52.3	52.2	-121.06	-121.06	-5,770.5	-684.7	490.9	387.6	103.27	4.754
16,000.0	10,088.0	16,200.6	10,341.5	53.1	53.1	-121.07	-121.07	-5,870.5	-685.6	490.9	386.0	104.87	4.681
16,100.0	10,087.5	16,300.6	10,341.1	54.0	53.9	-121.08	-121.08	-5,970.5	-686.4	490.9	384.4	106.48	4.610
16,200.0	10,087.0	16,400.6	10,340.7	54.8	54.8	-121.08	-121.08	-6,070.5	-687.2	490.9	382.9	108.09	4.542
16,300.0	10,086.6	16,500.6	10,340.3	55.7	55.6	-121.09	-121.09	-6,170.5	-688.1	491.0	381.3	109.71	4.475
16,400.0	10,086.1	16,600.6	10,339.9	56.5	56.4	-121.10	-121.10	-6,270.5	-688.9	491.0	379.7	111.32	4.410
16,500.0	10,085.6	16,700.6	10,339.5	57.3	57.3	-121.10	-121.10	-6,370.5	-689.8	491.0	378.1	112.94	4.348
16,600.0	10,085.2	16,800.6	10,339.1	58.2	58.1	-121.11	-121.11	-6,470.4	-690.6	491.0	376.5	114.56	4.286
16,700.0	10,084.7	16,900.6	10,338.7	59.0	59.0	-121.12	-121.12	-6,570.4	-691.5	491.0	374.9	116.18	4.227
16,800.0	10,084.3	17,000.6	10,338.3	59.9	59.8	-121.13	-121.13	-6,670.4	-692.3	491.1	373.3	117.80	4.169
16,900.0	10,083.8	17,100.6	10,337.9	60.7	60.7	-121.13	-121.13	-6,770.4	-693.1	491.1	371.7	119.42	4.112
17,000.0	10,083.3	17,200.6	10,337.5	61.5	61.5	-121.14	-121.14	-6,870.4	-694.0	491.1	370.1	121.05	4.057
17,100.0	10,082.9	17,300.6	10,337.1	62.4	62.3	-121.15	-121.15	-6,970.4	-694.8	491.1	368.5	122.67	4.004
17,200.0	10,082.4	17,400.6	10,336.7	63.2	63.2	-121.15	-121.15	-7,070.4	-695.7	491.1	366.9	124.30	3.951
17,300.0	10,082.0	17,500.6	10,336.3	64.1	64.0	-121.16	-121.16	-7,170.4	-696.5	491.2	365.2	125.93	3.900
17,400.0	10,081.5	17,600.6	10,335.9	64.9	64.9	-121.17	-121.17	-7,270.4	-697.4	491.2	363.6	127.56	3.851
17,500.0	10,081.0	17,700.6	10,335.5	65.8	65.7	-121.17	-121.17	-7,370.4	-698.2	491.2	362.0	129.19	3.802
17,600.0	10,080.6	17,800.6	10,335.1	66.6	66.6	-121.18	-121.18	-7,470.4	-699.0	491.2	360.4	130.82	3.755
17,700.0	10,080.1	17,900.6	10,334.7	67.4	67.4	-121.19	-121.19	-7,570.4	-699.9	491.3	358.8	132.45	3.709
17,800.0	10,079.6	18,000.6	10,334.3	68.3	68.3	-121.20	-121.20	-7,670.4	-700.7	491.3	357.2	134.08	3.664
17,900.0	10,079.2	18,100.6	10,333.9	69.1	69.1	-121.20	-121.20	-7,770.4	-701.6	491.3	355.6	135.72	3.620
18,000.0	10,078.7	18,200.6	10,333.5	70.0	70.0	-121.21	-121.21	-7,870.4	-702.4	491.3	354.0	137.35	3.577
18,100.0	10,078.3	18,300.6	10,333.1	70.8	70.8	-121.22	-121.22	-7,970.4	-703.3	491.3	352.3	138.99	3.535
18,200.0	10,077.8	18,400.6	10,332.7	71.7	71.7	-121.22	-121.22	-8,070.4	-704.1	491.4	350.7	140.63	3.494
18,300.0	10,077.3	18,500.6	10,332.3	72.5	72.5	-121.23	-121.23	-8,170.4	-705.0	491.4	349.1	142.27	3.454
18,400.0	10,076.9	18,600.6	10,331.9	73.4	73.4	-121.24	-121.24	-8,270.4	-705.8	491.4	347.5	143.91	3.415
18,500.0	10,076.4	18,700.6	10,331.5	74.2	74.2	-121.24	-121.24	-8,370.4	-706.6	491.4	345.9	145.55	3.376
18,600.0	10,076.0	18,800.6	10,331.1	75.1	75.0	-121.25	-121.25	-8,470.4	-707.5	491.4	344.2	147.19	3.339
18,700.0	10,075.5	18,900.6	10,330.7	75.9	75.9	-121.26	-121.26	-8,570.4	-708.3	491.5	342.6	148.83	3.302
18,800.0	10,075.0	19,000.6	10,330.3	76.8	76.7	-121.27	-121.27	-8,670.4	-709.2	491.5	341.0	150.47	3.266
18,900.0	10,074.6	19,100.6	10,329.9	77.6	77.6	-121.27	-121.27	-8,770.3	-710.0	491.5	339.4	152.11	3.231
19,000.0	10,074.1	19,200.6	10,329.5	78.5	78.4	-121.28	-121.28	-8,870.3	-710.9	491.5	337.8	153.76	3.197
19,100.0	10,073.6	19,300.6	10,329.1	79.3	79.3	-121.29	-121.29	-8,970.3	-711.7	491.5	336.1	155.40	3.163
19,200.0	10,073.2	19,400.6	10,328.7	80.1	80.1	-121.29	-121.29	-9,070.3	-712.5	491.6	334.5	157.04	3.130
19,300.0	10,072.7	19,500.6	10,328.3	81.0	81.0	-121.30	-121.30	-9,170.3	-713.4	491.6	332.9	158.69	3.098
19,400.0	10,072.3	19,600.6	10,327.9	81.8	81.8	-121.31	-121.31	-9,270.3	-714.2	491.6	331.3	160.33	3.066
19,500.0	10,071.8	19,700.6	10,327.5	82.7	82.7	-121.31	-121.31	-9,370.3	-715.1	491.6	329.6	161.98	3.035
19,600.0	10,071.3	19,800.6	10,327.1	83.5	83.5	-121.32	-121.32	-9,470.3	-715.9	491.6	328.0	163.63	3.005
19,700.0	10,070.9	19,900.6	10,326.7	84.4	84.4	-121.33	-121.33	-9,570.3	-716.8	491.7	326.4	165.28	2.975
19,800.0	10,070.4	20,000.6	10,326.3	85.2	85.2	-121.34	-121.34	-9,670.3	-717.6	491.7	324.8	166.92	2.946
19,900.0	10,070.0	20,100.6	10,325.9	86.1	86.1	-121.34	-121.34	-9,770.3	-718.4	491.7	323.1	168.57	2.917
20,000.0	10,069.5	20,200.6	10,325.5	86.9	87.0	-121.35	-121.35	-9,870.3	-719.3	491.7	321.5	170.22	2.889
20,100.0	10,069.0	20,300.6	10,325.1	87.8	87.8	-121.36	-121.36	-9,970.3	-720.1	491.7	319.9	171.87	2.861
20,200.0	10,068.6	20,400.6	10,324.7	88.6	88.7	-121.36	-121.36	-10,070.3	-721.0	491.8	318.2	173.52	2.834
20,300.0	10,068.1	20,500.6	10,324.3	89.5	89.5	-121.37	-121.37	-10,170.3	-721.8	491.8	316.6	175.17	2.807
20,400.0	10,067.6	20,600.6	10,323.9	90.3	90.4	-121.38	-121.38	-10,270.3	-722.7	491.8	315.0	176.82	2.781
20,500.0	10,067.2	20,700.6	10,323.5	91.2	91.2	-121.38	-121.38	-10,370.3	-723.5	491.8	313.3	178.47	2.756
20,600.0	10,066.7	20,800.6	10,323.1	92.0	92.1	-121.39	-121.39	-10,470.3	-724.3	491.8	311.7	180.12	2.731
20,627.0	10,066.6	20,827.6	10,323.0	92.3	92.3	-121.39	-121.39	-10,497.3	-724.6	491.8	311.3	180.57	2.724

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9871-MWD+IFR1+FDIR								Rule Assigned:			Offset Well Error:	3.0 usft
Measured Reference	Vertical	Measured Offset	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Distance		Minimum	Separation	Warning	
Depth (usft)	Depth (usft)	Depth (usft)	Depth (usft)	(usft)	(usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
20,652.9	10,066.5	20,850.4	10,322.9	92.5	92.5	-121.40	-10,520.0	-724.7	491.8	310.9	180.97	2.718		
20,656.9	10,066.5	20,853.9	10,322.9	92.5	92.5	-121.40	-10,523.5	-724.7	491.8	310.8	181.03	2.717		
20,700.0	10,066.3	20,896.7	10,322.7	92.9	92.9	-121.40	-10,566.4	-724.7	491.8	310.1	181.74	2.706		
20,800.0	10,065.8	20,996.7	10,322.3	93.7	93.7	-121.41	-10,666.4	-724.6	491.9	308.5	183.40	2.682		
20,900.0	10,065.3	21,096.7	10,322.0	94.6	94.6	-121.42	-10,766.4	-724.5	491.9	306.9	185.05	2.658		
21,000.0	10,064.9	21,196.7	10,321.6	95.5	95.4	-121.42	-10,866.4	-724.4	492.0	305.3	186.70	2.635		
21,100.0	10,064.4	21,296.7	10,321.2	96.3	96.3	-121.43	-10,966.4	-724.4	492.0	303.6	188.36	2.612		
21,200.0	10,064.0	21,396.7	10,320.8	97.2	97.1	-121.44	-11,066.4	-724.3	492.0	302.0	190.02	2.589		
21,300.0	10,063.5	21,496.7	10,320.4	98.0	98.0	-121.44	-11,166.4	-724.2	492.1	300.4	191.67	2.567		
21,400.0	10,063.0	21,596.7	10,320.0	98.9	98.9	-121.45	-11,266.4	-724.1	492.1	298.8	193.33	2.545		
21,500.0	10,062.6	21,696.7	10,319.6	99.7	99.7	-121.46	-11,366.4	-724.0	492.2	297.2	194.98	2.524		
21,600.0	10,062.1	21,796.7	10,319.2	100.6	100.6	-121.47	-11,466.4	-724.0	492.2	295.5	196.64	2.503		
21,700.0	10,061.6	21,896.7	10,318.8	101.4	101.4	-121.47	-11,566.4	-723.9	492.2	293.9	198.30	2.482		
21,800.0	10,061.2	21,996.7	10,318.4	102.3	102.3	-121.48	-11,666.4	-723.8	492.3	292.3	199.95	2.462		
21,900.0	10,060.7	22,096.7	10,318.1	103.1	103.1	-121.49	-11,766.4	-723.7	492.3	290.7	201.61	2.442		
22,000.0	10,060.3	22,196.7	10,317.7	104.0	104.0	-121.49	-11,866.4	-723.7	492.3	289.1	203.27	2.422		
22,100.0	10,059.8	22,296.7	10,317.3	104.8	104.8	-121.50	-11,966.4	-723.6	492.4	287.5	204.93	2.403		
22,200.0	10,059.3	22,396.7	10,316.9	105.7	105.7	-121.51	-12,066.4	-723.5	492.4	285.8	206.58	2.384		
22,300.0	10,058.9	22,496.7	10,316.5	106.5	106.5	-121.51	-12,166.4	-723.4	492.5	284.2	208.24	2.365		
22,400.0	10,058.4	22,596.7	10,316.1	107.4	107.4	-121.52	-12,266.4	-723.4	492.5	282.6	209.90	2.346		
22,500.0	10,058.0	22,696.7	10,315.7	108.3	108.3	-121.53	-12,366.4	-723.3	492.5	281.0	211.56	2.328		
22,600.0	10,057.5	22,796.7	10,315.3	109.1	109.1	-121.54	-12,466.4	-723.2	492.6	279.4	213.22	2.310		
22,700.0	10,057.0	22,896.7	10,314.9	110.0	110.0	-121.54	-12,566.4	-723.1	492.6	277.7	214.88	2.293		
22,800.0	10,056.6	22,996.7	10,314.5	110.8	110.8	-121.55	-12,666.4	-723.1	492.7	276.1	216.54	2.275		
22,900.0	10,056.1	23,096.7	10,314.1	111.7	111.7	-121.56	-12,766.4	-723.0	492.7	274.5	218.20	2.258		
23,000.0	10,055.6	23,196.7	10,313.8	112.5	112.5	-121.56	-12,866.4	-722.9	492.7	272.9	219.86	2.241		
23,100.0	10,055.2	23,296.7	10,313.4	113.4	113.4	-121.57	-12,966.4	-722.8	492.8	271.3	221.52	2.225		
23,200.0	10,054.7	23,396.7	10,313.0	114.2	114.2	-121.58	-13,066.4	-722.7	492.8	269.6	223.18	2.208		
23,300.0	10,054.3	23,496.7	10,312.6	115.1	115.1	-121.58	-13,166.4	-722.7	492.8	268.0	224.84	2.192		
23,400.0	10,053.8	23,596.7	10,312.2	115.9	115.9	-121.59	-13,266.4	-722.6	492.9	266.4	226.50	2.176		
23,500.0	10,053.3	23,696.7	10,311.8	116.8	116.8	-121.60	-13,366.4	-722.5	492.9	264.8	228.16	2.160		
23,600.0	10,052.9	23,796.7	10,311.4	117.6	117.7	-121.61	-13,466.4	-722.4	493.0	263.1	229.82	2.145		
23,700.0	10,052.4	23,896.7	10,311.0	118.5	118.5	-121.61	-13,566.4	-722.4	493.0	261.5	231.48	2.130		
23,800.0	10,051.9	23,996.7	10,310.6	119.4	119.4	-121.62	-13,666.4	-722.3	493.0	259.9	233.14	2.115		
23,900.0	10,051.5	24,096.7	10,310.2	120.2	120.2	-121.63	-13,766.4	-722.2	493.1	258.3	234.80	2.100		
24,000.0	10,051.0	24,196.7	10,309.9	121.1	121.1	-121.63	-13,866.4	-722.1	493.1	256.7	236.46	2.085		
24,100.0	10,050.6	24,296.7	10,309.5	121.9	121.9	-121.64	-13,966.4	-722.1	493.2	255.0	238.12	2.071		
24,200.0	10,050.1	24,396.7	10,309.1	122.8	122.8	-121.65	-14,066.4	-722.0	493.2	253.4	239.79	2.057		
24,300.0	10,049.6	24,496.7	10,308.7	123.6	123.6	-121.65	-14,166.4	-721.9	493.2	251.8	241.45	2.043		
24,400.0	10,049.2	24,596.7	10,308.3	124.5	124.5	-121.66	-14,266.4	-721.8	493.3	250.2	243.11	2.029		
24,500.0	10,048.7	24,696.7	10,307.9	125.3	125.4	-121.67	-14,366.4	-721.8	493.3	248.5	244.77	2.015		
24,600.0	10,048.3	24,796.7	10,307.5	126.2	126.2	-121.67	-14,466.4	-721.7	493.4	246.9	246.43	2.002		
24,700.0	10,047.8	24,896.7	10,307.1	127.1	127.1	-121.68	-14,566.4	-721.6	493.4	245.3	248.10	1.989 Advise and Monitor		
24,800.0	10,047.3	24,996.7	10,306.7	127.9	127.9	-121.69	-14,666.4	-721.5	493.4	243.7	249.76	1.976 Advise and Monitor		
24,900.0	10,046.9	25,096.7	10,306.3	128.8	128.8	-121.70	-14,766.4	-721.5	493.5	242.0	251.42	1.963 Advise and Monitor		
25,000.0	10,046.4	25,196.7	10,305.9	129.6	129.6	-121.70	-14,866.4	-721.4	493.5	240.4	253.08	1.950 Advise and Monitor		
25,100.0	10,045.9	25,296.7	10,305.6	130.5	130.5	-121.71	-14,966.3	-721.3	493.5	238.8	254.75	1.937 Advise and Monitor		
25,200.0	10,045.5	25,396.7	10,305.2	131.3	131.3	-121.72	-15,066.3	-721.2	493.6	237.2	256.41	1.925 Advise and Monitor		
25,300.0	10,045.0	25,496.7	10,304.8	132.2	132.2	-121.72	-15,166.3	-721.1	493.6	235.6	258.07	1.913 Advise and Monitor		
25,400.0	10,044.6	25,596.7	10,304.4	133.0	133.1	-121.73	-15,266.3	-721.1	493.7	233.9	259.74	1.901 Advise and Monitor		
25,500.0	10,044.1	25,696.7	10,304.0	133.9	133.9	-121.74	-15,366.3	-721.0	493.7	232.3	261.40	1.889 Advise and Monitor		

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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #701H - OWB - PWP1													
												Offset Site Error:	0.0 usft
												Offset Well Error:	3.0 usft
Survey Program:	0-Standard Keeper 104, 9871-MWD+IFR1+FDIR												
Reference													
Measured Depth	Vertical Depth	Measured Depth	Vertical Depth	Semi Major Axis Reference	Semi Major Axis Offset	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Distance Between Centres	Distance Between Ellipses	Minimum Separation
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)		+N/-S	+E/-W	Between Centres	Between Ellipses	(usft)	Separation Factor	Warning
							(usft)	(usft)	(usft)	(usft)			
25,600.0	10,043.6	25,796.7	10,303.6	134.8	134.8	-121.74	-15,466.3	-720.9	493.7	230.7	263.06	1.877	Advise and Monitor
25,700.0	10,043.2	25,896.7	10,303.2	135.6	135.6	-121.75	-15,566.3	-720.8	493.8	229.1	264.73	1.865	Advise and Monitor
25,738.0	10,043.0	25,934.8	10,303.1	135.9	136.0	-121.75	-15,604.4	-720.8	493.8	228.4	265.36	1.861	Advise and Monitor, SF

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 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)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
7,300.0	7,192.9	7,374.3	7,324.6	10.2	9.3	-7.93	57.9	-1,997.2	971.4	954.7	16.77	57.921	
7,400.0	7,290.7	7,468.5	7,417.9	10.4	9.4	-7.89	61.7	-1,984.7	937.8	920.8	17.02	55.101	
7,500.0	7,388.5	7,562.7	7,511.2	10.6	9.5	-7.85	65.5	-1,972.1	904.2	887.0	17.27	52.359	
7,600.0	7,486.4	7,656.9	7,604.4	10.8	9.6	-7.81	69.3	-1,959.6	870.6	853.1	17.52	49.693	
7,700.0	7,584.2	7,751.1	7,697.7	11.0	9.7	-7.76	73.1	-1,947.0	837.0	819.3	17.77	47.098	
7,800.0	7,682.0	7,845.3	7,791.0	11.2	9.9	-7.71	76.9	-1,934.5	803.4	785.4	18.02	44.574	
7,900.0	7,779.8	7,939.4	7,884.2	11.4	10.0	-7.65	80.7	-1,921.9	769.8	751.5	18.28	42.118	
8,000.0	7,877.6	8,033.6	7,977.5	11.6	10.1	-7.59	84.5	-1,909.4	736.2	717.7	18.53	39.727	
8,100.0	7,975.4	8,127.8	8,070.8	11.9	10.2	-7.53	88.3	-1,896.8	702.6	683.8	18.79	37.398	
8,200.0	8,073.2	8,222.0	8,164.0	12.1	10.4	-7.45	92.1	-1,884.3	669.0	650.0	19.04	35.131	
8,227.2	8,099.8	8,247.6	8,189.4	12.1	10.4	-7.43	93.2	-1,880.9	659.9	640.8	19.11	34.525	
8,300.0	8,171.2	8,316.3	8,257.4	12.3	10.5	-7.34	95.9	-1,871.7	635.8	616.5	19.30	32.946	
8,400.0	8,269.4	8,411.2	8,351.4	12.5	10.6	-7.18	99.7	-1,859.1	604.3	584.7	19.56	30.899	
8,500.0	8,367.9	8,505.6	8,444.9	12.7	10.7	-6.99	103.6	-1,846.5	574.3	554.5	19.80	29.002	
8,600.0	8,466.8	8,593.5	8,532.0	12.8	10.9	-6.80	106.9	-1,835.6	546.9	526.9	20.00	27.351	
8,700.0	8,565.9	8,682.5	8,620.4	13.0	11.0	-6.63	109.8	-1,825.9	522.6	502.4	20.19	25.886	
8,800.0	8,665.2	8,772.5	8,710.0	13.1	11.1	-6.47	112.4	-1,817.3	501.5	481.1	20.38	24.602	
8,900.0	8,764.6	8,863.3	8,800.5	13.3	11.2	-6.32	114.6	-1,810.1	483.6	463.0	20.58	23.497	
9,000.0	8,864.3	8,954.9	8,891.9	13.4	11.3	-6.20	116.4	-1,804.2	468.9	448.1	20.78	22.567	
9,100.0	8,964.1	9,047.1	8,983.9	13.5	11.4	-6.11	117.7	-1,799.7	457.4	436.4	20.97	21.808	
9,200.0	9,064.0	9,139.7	9,076.5	13.6	11.5	-6.05	118.7	-1,796.5	449.2	428.0	21.17	21.216	
9,300.0	9,163.9	9,232.6	9,169.4	13.6	11.6	-6.02	119.2	-1,794.8	444.3	422.9	21.36	20.796	
9,400.0	9,263.9	9,327.9	9,264.7	13.6	11.7	-6.02	119.3	-1,794.5	442.6	421.1	21.53	20.555	
9,427.2	9,291.1	9,355.1	9,291.9	13.7	11.7	-90.74	119.3	-1,794.5	442.5	421.0	21.57	20.521	
9,500.0	9,363.9	9,427.9	9,364.7	13.7	11.8	-90.74	119.3	-1,794.5	442.5	420.9	21.63	20.464	
9,600.0	9,463.9	9,527.9	9,464.7	13.8	11.9	-90.74	119.3	-1,794.5	442.5	420.8	21.71	20.385	
9,676.1	9,540.0	9,604.0	9,540.8	13.8	11.9	-90.74	119.3	-1,794.5	442.5	420.8	21.77	20.325 CC	
9,700.0	9,563.9	9,627.9	9,564.7	13.8	12.0	92.02	119.3	-1,794.5	442.6	420.8	21.79	20.308	
9,750.0	9,613.7	9,677.7	9,614.5	13.8	12.0	92.55	119.3	-1,794.5	442.7	420.9	21.82	20.286	
9,800.0	9,662.9	9,727.0	9,663.7	14.7	12.1	93.59	119.3	-1,794.5	443.2	421.3	21.89	20.249	
9,850.0	9,711.2	9,775.3	9,712.0	14.7	12.1	95.09	119.3	-1,794.5	444.2	422.3	21.91	20.272	
9,900.0	9,758.2	9,822.3	9,759.0	14.7	12.1	96.95	119.3	-1,794.5	446.1	424.2	21.95	20.323	
9,950.0	9,803.6	9,873.0	9,809.8	14.7	12.1	99.17	117.6	-1,794.4	449.1	427.1	22.00	20.417	
10,000.0	9,846.9	9,926.6	9,862.9	14.8	12.1	101.40	111.1	-1,794.2	453.0	430.9	22.06	20.535	
10,050.0	9,887.9	9,982.6	9,917.6	14.8	12.1	103.57	99.0	-1,793.9	457.6	435.4	22.15	20.657	
10,100.0	9,926.3	10,041.2	9,973.2	14.9	12.2	105.67	80.6	-1,793.3	462.8	440.5	22.30	20.757	
10,150.0	9,961.7	10,102.6	10,029.2	14.9	12.2	107.68	55.4	-1,792.5	468.5	446.0	22.52	20.803	
10,200.0	9,993.9	10,167.1	10,084.6	15.0	12.3	109.57	22.7	-1,791.5	474.5	451.7	22.86	20.762	
10,250.0	10,022.6	10,234.7	10,138.5	15.1	12.3	111.31	-18.1	-1,790.3	480.6	457.3	23.31	20.612	
10,300.0	10,047.7	10,305.6	10,189.4	15.1	12.4	112.87	-67.3	-1,788.8	486.4	462.5	23.91	20.345	
10,350.0	10,068.9	10,379.6	10,235.6	15.2	12.5	114.20	-125.0	-1,787.0	491.8	467.2	24.63	19.969	
10,400.0	10,086.1	10,456.5	10,275.4	15.3	12.6	115.28	-190.8	-1,784.9	496.5	471.1	25.43	19.521	
10,450.0	10,099.1	10,535.9	10,306.8	15.3	12.7	116.06	-263.6	-1,782.7	500.3	474.0	26.28	19.037	
10,500.0	10,107.9	10,617.1	10,328.2	15.4	12.8	116.50	-341.8	-1,780.3	503.0	475.9	27.09	18.567	
10,550.0	10,112.4	10,699.3	10,338.4	15.4	13.0	116.60	-423.3	-1,777.8	504.5	476.7	27.80	18.146	
10,578.7	10,113.0	10,740.9	10,339.1	15.4	13.1	116.51	-464.9	-1,776.5	504.9	476.8	28.10	17.970	
10,600.0	10,112.9	10,762.1	10,339.0	15.4	13.1	116.49	-486.1	-1,775.9	505.2	477.0	28.22	17.902	
10,700.0	10,112.4	10,862.1	10,338.6	15.5	13.4	116.41	-586.0	-1,772.8	506.6	477.8	28.86	17.553	
10,800.0	10,111.9	10,962.1	10,338.2	15.6	13.7	116.34	-686.0	-1,769.7	508.1	478.5	29.59	17.172	
10,900.0	10,111.5	11,062.1	10,337.7	15.7	14.1	116.26	-785.9	-1,766.6	509.6	479.2	30.39	16.766	
11,000.0	10,111.0	11,162.1	10,337.3	15.8	14.5	116.18	-885.9	-1,763.5	511.0	479.8	31.27	16.343	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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)	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)					
11,100.0	10,110.5	11,262.1	10,336.8	15.9	15.0	116.10		-985.8	-1,760.5	512.5	480.3	32.21	15.910	
11,200.0	10,110.1	11,362.1	10,336.4	16.1	15.5	116.03		-1,085.7	-1,757.4	514.0	480.8	33.22	15.473	
11,300.0	10,109.6	11,462.1	10,336.0	16.4	16.1	115.95		-1,185.7	-1,754.3	515.4	481.2	34.28	15.038	
11,400.0	10,109.2	11,562.0	10,335.5	16.9	16.7	115.87		-1,285.6	-1,751.2	516.9	481.5	35.39	14.608	
11,500.0	10,108.7	11,662.0	10,335.1	17.4	17.4	115.80		-1,385.5	-1,748.1	518.4	481.8	36.54	14.186	
11,600.0	10,108.2	11,762.0	10,334.7	18.0	18.0	115.72		-1,485.5	-1,745.1	519.8	482.1	37.74	13.775	
11,700.0	10,107.8	11,862.0	10,334.2	18.7	18.7	115.65		-1,585.4	-1,742.0	521.3	482.3	38.97	13.376	
11,800.0	10,107.3	11,962.0	10,333.8	19.3	19.4	115.57		-1,685.4	-1,738.9	522.8	482.5	40.24	12.990	
11,900.0	10,106.9	12,062.0	10,333.4	20.0	20.1	115.50		-1,785.3	-1,735.8	524.3	482.7	41.55	12.619	
12,000.0	10,106.4	12,162.0	10,332.9	20.8	20.8	115.43		-1,885.2	-1,732.8	525.7	482.9	42.88	12.262	
12,100.0	10,105.9	12,261.9	10,332.5	21.5	21.5	115.35		-1,985.2	-1,729.7	527.2	483.0	44.23	11.919	
12,200.0	10,105.5	12,361.9	10,332.1	22.2	22.3	115.28		-2,085.1	-1,726.6	528.7	483.1	45.61	11.591	
12,300.0	10,105.0	12,461.9	10,331.6	23.0	23.0	115.21		-2,185.1	-1,723.5	530.2	483.1	47.01	11.277	
12,400.0	10,104.6	12,561.9	10,331.2	23.7	23.8	115.14		-2,285.0	-1,720.4	531.6	483.2	48.43	10.977	
12,500.0	10,104.1	12,661.9	10,330.8	24.5	24.5	115.07		-2,384.9	-1,717.4	533.1	483.2	49.87	10.690	
12,600.0	10,103.6	12,761.9	10,330.3	25.3	25.3	115.00		-2,484.9	-1,714.3	534.6	483.3	51.33	10.416	
12,700.0	10,103.2	12,861.9	10,329.9	26.0	26.1	114.93		-2,584.8	-1,711.2	536.1	483.3	52.80	10.153	
12,800.0	10,102.7	12,961.9	10,329.5	26.8	26.9	114.86		-2,684.7	-1,708.1	537.5	483.3	54.28	9.903	
12,900.0	10,102.3	13,061.8	10,329.0	27.6	27.7	114.79		-2,784.7	-1,705.1	539.0	483.2	55.78	9.664	
13,000.0	10,101.8	13,161.8	10,328.6	28.4	28.4	114.72		-2,884.6	-1,702.0	540.5	483.2	57.29	9.435	
13,100.0	10,101.3	13,261.8	10,328.2	29.2	29.2	114.65		-2,984.6	-1,698.9	542.0	483.2	58.81	9.216	
13,200.0	10,100.9	13,361.8	10,327.7	30.0	30.0	114.58		-3,084.5	-1,695.8	543.5	483.1	60.34	9.007	
13,300.0	10,100.4	13,461.8	10,327.3	30.8	30.8	114.51		-3,184.4	-1,692.7	545.0	483.1	61.88	8.807	
13,400.0	10,099.9	13,561.8	10,326.9	31.6	31.6	114.44		-3,284.4	-1,689.7	546.4	483.0	63.43	8.615	
13,500.0	10,099.5	13,661.8	10,326.4	32.4	32.4	114.37		-3,384.3	-1,686.6	547.9	482.9	64.99	8.432	
13,600.0	10,099.0	13,761.8	10,326.0	33.2	33.3	114.31		-3,484.3	-1,683.5	549.4	482.9	66.55	8.256	
13,700.0	10,098.6	13,861.7	10,325.6	34.0	34.1	114.24		-3,584.2	-1,680.4	550.9	482.8	68.12	8.087	
13,800.0	10,098.1	13,961.7	10,325.1	34.8	34.9	114.17		-3,684.1	-1,677.3	552.4	482.7	69.70	7.925	
13,900.0	10,097.6	14,061.7	10,324.7	35.7	35.7	114.11		-3,784.1	-1,674.3	553.9	482.6	71.28	7.770	
14,000.0	10,097.2	14,161.7	10,324.3	36.5	36.5	114.04		-3,884.0	-1,671.2	555.4	482.5	72.88	7.621	
14,100.0	10,096.7	14,261.7	10,323.8	37.3	37.3	113.98		-3,983.9	-1,668.1	556.9	482.4	74.47	7.477	
14,200.0	10,096.3	14,361.7	10,323.4	38.1	38.2	113.91		-4,083.9	-1,665.0	558.3	482.3	76.07	7.340	
14,300.0	10,095.8	14,461.7	10,323.0	39.0	39.0	113.85		-4,183.8	-1,662.0	559.8	482.2	77.68	7.207	
14,400.0	10,095.3	14,561.6	10,322.5	39.8	39.8	113.78		-4,283.8	-1,658.9	561.3	482.0	79.29	7.079	
14,500.0	10,094.9	14,661.6	10,322.1	40.6	40.7	113.72		-4,383.7	-1,655.8	562.8	481.9	80.90	6.957	
14,600.0	10,094.4	14,761.6	10,321.6	41.4	41.5	113.66		-4,483.6	-1,652.7	564.3	481.8	82.52	6.838	
14,700.0	10,094.0	14,861.6	10,321.2	42.3	42.3	113.59		-4,583.6	-1,649.6	565.8	481.7	84.14	6.724	
14,800.0	10,093.5	14,961.6	10,320.8	43.1	43.1	113.53		-4,683.5	-1,646.6	567.3	481.5	85.77	6.614	
14,900.0	10,093.0	15,061.6	10,320.3	43.9	44.0	113.47		-4,783.5	-1,643.5	568.8	481.4	87.40	6.508	
15,000.0	10,092.6	15,161.6	10,319.9	44.8	44.8	113.40		-4,883.4	-1,640.4	570.3	481.3	89.03	6.405	
15,100.0	10,092.1	15,261.6	10,319.5	45.6	45.6	113.34		-4,983.3	-1,637.3	571.8	481.1	90.67	6.306	
15,200.0	10,091.6	15,361.5	10,319.0	46.5	46.5	113.28		-5,083.3	-1,634.2	573.3	481.0	92.31	6.211	
15,275.4	10,091.3	15,433.9	10,318.7	47.1	47.1	113.23		-5,155.6	-1,632.1	574.5	481.0	93.50	6.144	
15,300.0	10,091.2	15,454.7	10,318.6	47.3	47.3	113.22		-5,176.3	-1,631.6	575.0	481.1	93.85	6.126	
15,400.0	10,090.7	15,541.2	10,318.3	48.1	48.0	113.16		-5,262.9	-1,631.4	576.6	481.3	95.26	6.053	
15,433.7	10,090.6	15,575.0	10,318.1	48.4	48.3	113.15		-5,296.7	-1,631.6	576.7	480.9	95.81	6.019	
15,500.0	10,090.3	15,641.2	10,317.8	49.0	48.8	113.16		-5,362.9	-1,632.1	576.7	479.8	96.90	5.952	
15,600.0	10,089.8	15,741.2	10,317.4	49.8	49.7	113.16		-5,462.9	-1,632.9	576.6	478.1	98.53	5.852	
15,700.0	10,089.3	15,841.2	10,317.0	50.6	50.5	113.17		-5,562.9	-1,633.6	576.6	476.4	100.17	5.756	
15,800.0	10,088.9	15,941.2	10,316.6	51.5	51.3	113.17		-5,662.9	-1,634.4	576.5	474.7	101.82	5.662	
15,900.0	10,088.4	16,041.2	10,316.1	52.3	52.2	113.18		-5,762.9	-1,635.1	576.5	473.0	103.46	5.572	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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)	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)					
16,000.0	10,088.0	16,141.2	10,315.7	53.1	53.0	113.19		-5,862.9	-1,635.9	576.4	471.3	105.10	5.484	
16,100.0	10,087.5	16,241.2	10,315.3	54.0	53.8	113.19		-5,962.9	-1,636.6	576.3	469.6	106.75	5.399	
16,200.0	10,087.0	16,341.2	10,314.8	54.8	54.7	113.20		-6,062.9	-1,637.4	576.3	467.9	108.40	5.316	
16,300.0	10,086.6	16,441.2	10,314.4	55.7	55.5	113.20		-6,162.9	-1,638.1	576.2	466.2	110.05	5.236	
16,400.0	10,086.1	16,541.2	10,314.0	56.5	56.4	113.21		-6,262.9	-1,638.9	576.2	464.5	111.70	5.158	
16,500.0	10,085.6	16,641.2	10,313.6	57.3	57.2	113.22		-6,362.9	-1,639.6	576.1	462.8	113.35	5.083	
16,600.0	10,085.2	16,741.2	10,313.1	58.2	58.0	113.22		-6,462.9	-1,640.4	576.1	461.1	115.00	5.009	
16,700.0	10,084.7	16,841.2	10,312.7	59.0	58.9	113.23		-6,562.9	-1,641.1	576.0	459.3	116.65	4.938	
16,800.0	10,084.3	16,941.2	10,312.3	59.9	59.7	113.24		-6,662.9	-1,641.9	575.9	457.6	118.31	4.868	
16,900.0	10,083.8	17,041.2	10,311.8	60.7	60.6	113.24		-6,762.9	-1,642.6	575.9	455.9	119.97	4.800	
17,000.0	10,083.3	17,141.2	10,311.4	61.5	61.4	113.25		-6,862.9	-1,643.4	575.8	454.2	121.62	4.734	
17,100.0	10,082.9	17,241.2	10,311.0	62.4	62.2	113.25		-6,962.9	-1,644.1	575.8	452.5	123.28	4.670	
17,200.0	10,082.4	17,341.2	10,310.6	63.2	63.1	113.26		-7,062.9	-1,644.9	575.7	450.8	124.94	4.608	
17,300.0	10,082.0	17,441.2	10,310.1	64.1	63.9	113.27		-7,162.9	-1,645.6	575.6	449.0	126.60	4.547	
17,400.0	10,081.5	17,541.2	10,309.7	64.9	64.8	113.27		-7,262.9	-1,646.4	575.6	447.3	128.26	4.488	
17,500.0	10,081.0	17,641.2	10,309.3	65.8	65.6	113.28		-7,362.9	-1,647.1	575.5	445.6	129.92	4.430	
17,600.0	10,080.6	17,741.2	10,308.8	66.6	66.5	113.28		-7,462.8	-1,647.9	575.5	443.9	131.59	4.373	
17,700.0	10,080.1	17,841.2	10,308.4	67.4	67.3	113.29		-7,562.8	-1,648.6	575.4	442.2	133.25	4.318	
17,800.0	10,079.6	17,941.2	10,308.0	68.3	68.2	113.30		-7,662.8	-1,649.4	575.3	440.4	134.91	4.265	
17,900.0	10,079.2	18,041.2	10,307.6	69.1	69.0	113.30		-7,762.8	-1,650.1	575.3	438.7	136.58	4.212	
18,000.0	10,078.7	18,141.2	10,307.1	70.0	69.9	113.31		-7,862.8	-1,650.9	575.2	437.0	138.24	4.161	
18,100.0	10,078.3	18,241.2	10,306.7	70.8	70.7	113.32		-7,962.8	-1,651.6	575.2	435.3	139.91	4.111	
18,200.0	10,077.8	18,341.2	10,306.3	71.7	71.5	113.32		-8,062.8	-1,652.4	575.1	433.5	141.58	4.062	
18,300.0	10,077.3	18,441.2	10,305.8	72.5	72.4	113.33		-8,162.8	-1,653.1	575.0	431.8	143.24	4.014	
18,400.0	10,076.9	18,541.2	10,305.4	73.4	73.2	113.33		-8,262.8	-1,653.9	575.0	430.1	144.91	3.968	
18,500.0	10,076.4	18,641.2	10,305.0	74.2	74.1	113.34		-8,362.8	-1,654.6	574.9	428.3	146.58	3.922	
18,600.0	10,076.0	18,741.2	10,304.6	75.1	74.9	113.35		-8,462.8	-1,655.4	574.9	426.6	148.25	3.878	
18,700.0	10,075.5	18,841.2	10,304.1	75.9	75.8	113.35		-8,562.8	-1,656.1	574.8	424.9	149.92	3.834	
18,800.0	10,075.0	18,941.2	10,303.7	76.8	76.6	113.36		-8,662.8	-1,656.9	574.8	423.2	151.59	3.792	
18,900.0	10,074.6	19,041.2	10,303.3	77.6	77.5	113.36		-8,762.8	-1,657.6	574.7	421.4	153.26	3.750	
19,000.0	10,074.1	19,141.2	10,302.8	78.5	78.3	113.37		-8,862.8	-1,658.4	574.6	419.7	154.93	3.709	
19,100.0	10,073.6	19,241.2	10,302.4	79.3	79.2	113.38		-8,962.8	-1,659.1	574.6	418.0	156.60	3.669	
19,200.0	10,073.2	19,341.2	10,302.0	80.1	80.0	113.38		-9,062.8	-1,659.9	574.5	416.2	158.27	3.630	
19,300.0	10,072.7	19,441.2	10,301.6	81.0	80.9	113.39		-9,162.8	-1,660.6	574.5	414.5	159.95	3.592	
19,400.0	10,072.3	19,541.2	10,301.1	81.8	81.7	113.40		-9,262.8	-1,661.4	574.4	412.8	161.62	3.554	
19,500.0	10,071.8	19,641.2	10,300.7	82.7	82.6	113.40		-9,362.8	-1,662.1	574.3	411.0	163.29	3.517	
19,600.0	10,071.3	19,741.2	10,300.3	83.5	83.4	113.41		-9,462.8	-1,662.9	574.3	409.3	164.97	3.481	
19,700.0	10,070.9	19,841.2	10,299.9	84.4	84.3	113.41		-9,562.8	-1,663.6	574.2	407.6	166.64	3.446	
19,800.0	10,070.4	19,941.2	10,299.4	85.2	85.1	113.42		-9,662.8	-1,664.4	574.2	405.8	168.31	3.411	
19,900.0	10,070.0	20,041.2	10,299.0	86.1	86.0	113.43		-9,762.8	-1,665.1	574.1	404.1	169.99	3.377	
20,000.0	10,069.5	20,141.2	10,298.6	86.9	86.8	113.43		-9,862.8	-1,665.9	574.0	402.4	171.66	3.344	
20,100.0	10,069.0	20,241.2	10,298.1	87.8	87.7	113.44		-9,962.8	-1,666.6	574.0	400.6	173.34	3.311	
20,200.0	10,068.6	20,341.2	10,297.7	88.6	88.5	113.44		-10,062.8	-1,667.4	573.9	398.9	175.02	3.279	
20,300.0	10,068.1	20,441.2	10,297.3	89.5	89.4	113.45		-10,162.7	-1,668.1	573.9	397.2	176.69	3.248	
20,400.0	10,067.6	20,541.2	10,296.9	90.3	90.2	113.46		-10,262.7	-1,668.9	573.8	395.4	178.37	3.217	
20,500.0	10,067.2	20,641.2	10,296.4	91.2	91.1	113.46		-10,362.7	-1,669.6	573.7	393.7	180.04	3.187	
20,600.0	10,066.7	20,741.2	10,296.0	92.0	91.9	113.47		-10,462.7	-1,670.4	573.7	392.0	181.72	3.157	
20,624.6	10,066.6	20,765.5	10,295.9	92.3	92.1	113.47		-10,486.9	-1,670.6	573.7	391.6	182.13	3.150	
20,627.0	10,066.6	20,767.5	10,295.9	92.3	92.2	113.47		-10,489.0	-1,670.6	573.7	391.5	182.16	3.149	
20,652.9	10,066.5	20,793.2	10,295.8	92.5	92.4	113.46		-10,514.7	-1,670.8	573.8	391.2	182.59	3.143	
20,700.0	10,066.3	20,840.3	10,295.6	92.9	92.8	113.45		-10,561.8	-1,671.3	574.2	390.9	183.39	3.131	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 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)					
20,800.0	10,065.8	20,940.3	10,295.1	93.7	93.6	113.41	-10,661.8	-1,672.2	575.2	390.1	185.07	3.108	
20,900.0	10,065.3	21,040.3	10,294.7	94.6	94.5	113.37	-10,761.8	-1,673.1	576.1	389.3	186.76	3.085	
21,000.0	10,064.9	21,140.3	10,294.3	95.5	95.3	113.34	-10,861.8	-1,674.0	577.0	388.6	188.44	3.062	
21,100.0	10,064.4	21,240.3	10,293.9	96.3	96.2	113.30	-10,961.8	-1,675.0	578.0	387.8	190.13	3.040	
21,200.0	10,064.0	21,340.3	10,293.4	97.2	97.0	113.27	-11,061.8	-1,675.9	578.9	387.1	191.82	3.018	
21,300.0	10,063.5	21,440.3	10,293.0	98.0	97.9	113.23	-11,161.8	-1,676.8	579.8	386.3	193.51	2.996	
21,400.0	10,063.0	21,540.3	10,292.6	98.9	98.7	113.19	-11,261.8	-1,677.7	580.7	385.5	195.20	2.975	
21,500.0	10,062.6	21,640.3	10,292.1	99.7	99.6	113.16	-11,361.8	-1,678.6	581.7	384.8	196.88	2.954	
21,600.0	10,062.1	21,740.3	10,291.7	100.6	100.4	113.12	-11,461.7	-1,679.6	582.6	384.0	198.57	2.934	
21,700.0	10,061.6	21,840.3	10,291.3	101.4	101.3	113.09	-11,561.7	-1,680.5	583.5	383.3	200.26	2.914	
21,800.0	10,061.2	21,940.3	10,290.8	102.3	102.2	113.05	-11,661.7	-1,681.4	584.5	382.5	201.95	2.894	
21,900.0	10,060.7	22,040.3	10,290.4	103.1	103.0	113.02	-11,761.7	-1,682.3	585.4	381.7	203.64	2.875	
22,000.0	10,060.3	22,140.3	10,290.0	104.0	103.9	112.98	-11,861.7	-1,683.2	586.3	381.0	205.33	2.855	
22,100.0	10,059.8	22,240.3	10,289.6	104.8	104.7	112.95	-11,961.7	-1,684.2	587.2	380.2	207.02	2.837	
22,200.0	10,059.3	22,340.3	10,289.1	105.7	105.6	112.91	-12,061.7	-1,685.1	588.2	379.5	208.72	2.818	
22,300.0	10,058.9	22,440.3	10,288.7	106.5	106.4	112.88	-12,161.7	-1,686.0	589.1	378.7	210.41	2.800	
22,400.0	10,058.4	22,540.3	10,288.3	107.4	107.3	112.84	-12,261.7	-1,686.9	590.0	377.9	212.10	2.782	
22,500.0	10,058.0	22,640.3	10,287.8	108.3	108.1	112.81	-12,361.6	-1,687.9	591.0	377.2	213.79	2.764	
22,600.0	10,057.5	22,740.2	10,287.4	109.1	109.0	112.77	-12,461.6	-1,688.8	591.9	376.4	215.48	2.747	
22,700.0	10,057.0	22,840.2	10,287.0	110.0	109.8	112.74	-12,561.6	-1,689.7	592.8	375.6	217.17	2.730	
22,800.0	10,056.6	22,940.2	10,286.5	110.8	110.7	112.70	-12,661.6	-1,690.6	593.8	374.9	218.87	2.713	
22,900.0	10,056.1	23,040.2	10,286.1	111.7	111.5	112.67	-12,761.6	-1,691.5	594.7	374.1	220.56	2.696	
23,000.0	10,055.6	23,140.2	10,285.7	112.5	112.4	112.63	-12,861.6	-1,692.5	595.6	373.4	222.25	2.680	
23,100.0	10,055.2	23,240.2	10,285.3	113.4	113.2	112.60	-12,961.6	-1,693.4	596.5	372.6	223.95	2.664	
23,200.0	10,054.7	23,340.2	10,284.8	114.2	114.1	112.57	-13,061.6	-1,694.3	597.5	371.8	225.64	2.648	
23,300.0	10,054.3	23,440.2	10,284.4	115.1	114.9	112.53	-13,161.6	-1,695.2	598.4	371.1	227.34	2.632	
23,400.0	10,053.8	23,540.2	10,284.0	115.9	115.8	112.50	-13,261.6	-1,696.1	599.3	370.3	229.03	2.617	
23,500.0	10,053.3	23,640.2	10,283.5	116.8	116.7	112.47	-13,361.5	-1,697.1	600.3	369.6	230.72	2.602	
23,600.0	10,052.9	23,740.2	10,283.1	117.6	117.5	112.43	-13,461.5	-1,698.0	601.2	368.8	232.42	2.587	
23,700.0	10,052.4	23,840.2	10,282.7	118.5	118.4	112.40	-13,561.5	-1,698.9	602.1	368.0	234.11	2.572	
23,800.0	10,051.9	23,940.2	10,282.2	119.4	119.2	112.37	-13,661.5	-1,699.8	603.1	367.3	235.81	2.557	
23,900.0	10,051.5	24,040.2	10,281.8	120.2	120.1	112.33	-13,761.5	-1,700.8	604.0	366.5	237.51	2.543	
24,000.0	10,051.0	24,140.2	10,281.4	121.1	120.9	112.30	-13,861.5	-1,701.7	604.9	365.7	239.20	2.529	
24,100.0	10,050.6	24,240.2	10,281.0	121.9	121.8	112.27	-13,961.5	-1,702.6	605.9	365.0	240.90	2.515	
24,200.0	10,050.1	24,340.2	10,280.5	122.8	122.6	112.23	-14,061.5	-1,703.5	606.8	364.2	242.59	2.501	
24,300.0	10,049.6	24,440.2	10,280.1	123.6	123.5	112.20	-14,161.5	-1,704.4	607.7	363.5	244.29	2.488	
24,400.0	10,049.2	24,540.2	10,279.7	124.5	124.3	112.17	-14,261.5	-1,705.4	608.7	362.7	245.99	2.474	
24,500.0	10,048.7	24,640.2	10,279.2	125.3	125.2	112.14	-14,361.4	-1,706.3	609.6	361.9	247.68	2.461	
24,600.0	10,048.3	24,740.1	10,278.8	126.2	126.1	112.10	-14,461.4	-1,707.2	610.6	361.2	249.38	2.448	
24,700.0	10,047.8	24,840.1	10,278.4	127.1	126.9	112.07	-14,561.4	-1,708.1	611.5	360.4	251.08	2.435	
24,800.0	10,047.3	24,940.1	10,277.9	127.9	127.8	112.04	-14,661.4	-1,709.1	612.4	359.6	252.77	2.423	
24,900.0	10,046.9	25,040.1	10,277.5	128.8	128.6	112.01	-14,761.4	-1,710.0	613.4	358.9	254.47	2.410	
25,000.0	10,046.4	25,140.1	10,277.1	129.6	129.5	111.97	-14,861.4	-1,710.9	614.3	358.1	256.17	2.398	
25,100.0	10,045.9	25,240.1	10,276.7	130.5	130.3	111.94	-14,961.4	-1,711.8	615.2	357.4	257.87	2.386	
25,200.0	10,045.5	25,340.1	10,276.2	131.3	131.2	111.91	-15,061.4	-1,712.7	616.2	356.6	259.57	2.374	
25,300.0	10,045.0	25,440.1	10,275.8	132.2	132.0	111.88	-15,161.4	-1,713.7	617.1	355.8	261.26	2.362	
25,400.0	10,044.6	25,540.1	10,275.4	133.0	132.9	111.85	-15,261.4	-1,714.6	618.0	355.1	262.96	2.350	
25,500.0	10,044.1	25,640.1	10,274.9	133.9	133.7	111.82	-15,361.3	-1,715.5	619.0	354.3	264.66	2.339	
25,600.0	10,043.6	25,740.1	10,274.5	134.8	134.6	111.78	-15,461.3	-1,716.4	619.9	353.5	266.36	2.327	
25,700.0	10,043.2	25,840.1	10,274.1	135.6	135.5	111.75	-15,561.3	-1,717.3	620.8	352.8	268.06	2.316 ES, SF	
25,738.0	10,043.0	25,856.7	10,274.0	135.9	135.6	111.75	-15,577.9	-1,717.5	621.6	353.4	268.16	2.318	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #706H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9810-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)		
0.0	0.0	0.5	0.5	3.0	3.0	89.81		0.2	60.1	60.1				
100.0	100.0	100.5	100.5	3.0	3.0	89.81		0.2	60.1	60.1	54.1	6.00	10.016	
200.0	200.0	200.5	200.5	3.0	3.0	89.81		0.2	60.1	60.1	54.1	6.00	10.012	
300.0	300.0	300.5	300.5	3.0	3.0	89.81		0.2	60.1	60.1	54.1	6.01	10.001	
400.0	400.0	400.5	400.5	3.0	3.0	89.81		0.2	60.1	60.1	54.1	6.02	9.986	
500.0	500.0	500.5	500.5	3.1	3.1	89.81		0.2	60.1	60.1	54.1	6.03	9.965	
600.0	600.0	600.5	600.5	3.1	3.1	89.81		0.2	60.1	60.1	54.1	6.05	9.939	
700.0	700.0	700.5	700.5	3.1	3.1	89.81		0.2	60.1	60.1	54.0	6.07	9.908	
800.0	800.0	800.5	800.5	3.2	3.2	89.81		0.2	60.1	60.1	54.0	6.09	9.872	
900.0	900.0	900.5	900.5	3.2	3.2	89.81		0.2	60.1	60.1	54.0	6.11	9.832	
1,000.0	1,000.0	1,000.5	1,000.5	3.2	3.2	89.81		0.2	60.1	60.1	54.0	6.14	9.786	
1,100.0	1,100.0	1,100.5	1,100.5	3.3	3.3	89.81		0.2	60.1	60.1	53.9	6.17	9.737	
1,200.0	1,200.0	1,200.5	1,200.5	3.4	3.4	89.81		0.2	60.1	60.1	53.9	6.21	9.683	
1,300.0	1,300.0	1,300.5	1,300.5	3.4	3.4	89.81		0.2	60.1	60.1	53.9	6.24	9.625	
1,400.0	1,400.0	1,400.5	1,400.5	3.5	3.5	89.81		0.2	60.1	60.1	53.8	6.28	9.564	
1,500.0	1,500.0	1,500.5	1,500.5	3.5	3.5	89.81		0.2	60.1	60.1	53.8	6.33	9.499	
1,600.0	1,600.0	1,600.5	1,600.5	3.6	3.6	89.81		0.2	60.1	60.1	53.7	6.37	9.431	
1,700.0	1,700.0	1,700.5	1,700.5	3.7	3.7	89.81		0.2	60.1	60.1	53.7	6.42	9.360	
1,800.0	1,800.0	1,800.5	1,800.5	3.8	3.8	89.81		0.2	60.1	60.1	53.6	6.47	9.286	
1,900.0	1,900.0	1,900.5	1,900.5	3.9	3.9	89.81		0.2	60.1	60.1	53.6	6.53	9.210	
1,916.5	1,916.5	1,917.0	1,917.0	3.9	3.9	89.81		0.2	60.1	60.1	53.6	6.53	9.197 CC	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	89.81		0.2	60.1	60.1	53.5	6.58	9.132 ES, SF	
2,100.0	2,100.0	2,098.4	2,098.3	4.0	4.0	174.38		0.5	61.8	63.5	56.9	6.64	9.570	
2,200.0	2,199.8	2,195.5	2,195.4	4.0	4.0	174.04		1.5	66.6	73.8	67.1	6.70	11.008	
2,300.0	2,299.5	2,291.4	2,290.9	4.1	4.1	173.63		3.0	74.6	90.7	84.0	6.77	13.403	
2,400.0	2,398.7	2,385.3	2,384.1	4.1	4.1	173.24		5.1	85.5	114.3	107.4	6.84	16.698	
2,500.0	2,497.5	2,480.4	2,478.3	4.2	4.2	172.99		7.6	98.5	143.2	136.3	6.94	20.648	
2,600.0	2,595.6	2,575.0	2,572.0	4.2	4.2	172.93		10.1	111.4	175.4	168.4	7.03	24.940	
2,700.0	2,693.4	2,669.1	2,665.2	4.3	4.3	173.01		12.6	124.2	209.3	202.2	7.14	29.312	
2,800.0	2,791.3	2,763.2	2,758.4	4.3	4.3	173.07		15.1	137.1	243.2	236.0	7.26	33.523	
2,900.0	2,889.1	2,857.3	2,851.5	4.4	4.4	173.11		17.5	150.0	277.1	269.7	7.38	37.569	
3,000.0	2,986.9	2,951.4	2,944.7	4.5	4.5	173.14		20.0	162.8	311.0	303.5	7.50	41.448	
3,100.0	3,084.7	3,045.5	3,037.9	4.5	4.5	173.17		22.5	175.7	344.9	337.2	7.64	45.160	
3,200.0	3,182.5	3,139.5	3,131.0	4.6	4.6	173.19		25.0	188.5	378.7	371.0	7.78	48.707	
3,300.0	3,280.3	3,233.6	3,224.2	4.7	4.7	173.21		27.5	201.4	412.6	404.7	7.92	52.091	
3,400.0	3,378.1	3,327.7	3,317.4	4.8	4.7	173.23		30.0	214.2	446.5	438.4	8.07	55.317	
3,500.0	3,476.0	3,421.8	3,410.6	4.9	4.8	173.24		32.4	227.1	480.4	472.2	8.23	58.387	
3,600.0	3,573.8	3,515.9	3,503.7	4.9	4.9	173.25		34.9	240.0	514.3	505.9	8.39	61.308	
3,700.0	3,671.6	3,610.0	3,596.9	5.0	5.0	173.26		37.4	252.8	548.2	539.6	8.55	64.084	
3,800.0	3,769.4	3,704.0	3,690.1	5.1	5.0	173.27		39.9	265.7	582.1	573.3	8.72	66.721	
3,900.0	3,867.2	3,798.1	3,783.2	5.2	5.1	173.28		42.4	278.5	615.9	607.0	8.90	69.224	
4,000.0	3,965.0	3,892.2	3,876.4	5.3	5.2	173.29		44.8	291.4	649.8	640.7	9.08	71.600	
4,100.0	4,062.8	3,986.3	3,969.6	5.4	5.3	173.29		47.3	304.2	683.7	674.4	9.26	73.855	
4,200.0	4,160.7	4,080.4	4,062.7	5.6	5.4	173.30		49.8	317.1	717.6	708.1	9.44	75.993	
4,300.0	4,258.5	4,174.5	4,155.9	5.7	5.5	173.30		52.3	330.0	751.5	741.8	9.63	78.022	
4,400.0	4,356.3	4,268.6	4,249.1	5.8	5.6	173.31		54.8	342.8	785.4	775.5	9.82	79.946	
4,500.0	4,454.1	4,362.6	4,342.2	5.9	5.7	173.31		57.3	355.7	819.2	809.2	10.02	81.772	
4,600.0	4,551.9	4,456.7	4,435.4	6.0	5.8	173.32		59.7	368.5	853.1	842.9	10.22	83.503	
4,700.0	4,649.7	4,550.8	4,528.6	6.1	5.9	173.32		62.2	381.4	887.0	876.6	10.42	85.146	
4,800.0	4,747.5	4,644.9	4,621.7	6.3	6.0	173.32		64.7	394.2	920.9	910.3	10.62	86.705	
4,900.0	4,845.4	4,739.0	4,714.9	6.4	6.1	173.33		67.2	407.1	954.8	944.0	10.83	88.184	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #706H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:	0-Standard Keeper 104, 9810-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	4,943.2	4,833.1	4,808.1	6.5	6.2	173.33	69.7	420.0	988.7	977.6	11.04	89.589		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #707H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9583-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		
0.0	0.0	0.3	0.3	3.0	3.0	125.76	-44.8	62.2	76.7					
100.0	100.0	100.3	100.3	3.0	3.0	125.76	-44.8	62.2	76.7	70.7	6.00	12.775		
200.0	200.0	200.3	200.3	3.0	3.0	125.76	-44.8	62.2	76.7	70.6	6.01	12.763		
300.0	300.0	300.3	300.3	3.0	3.0	125.76	-44.8	62.2	76.7	70.6	6.02	12.739		
400.0	400.0	400.3	400.3	3.0	3.0	125.76	-44.8	62.2	76.7	70.6	6.03	12.702		
500.0	500.0	500.3	500.3	3.1	3.1	125.76	-44.8	62.2	76.7	70.6	6.06	12.653		
600.0	600.0	600.3	600.3	3.1	3.1	125.76	-44.8	62.2	76.7	70.6	6.09	12.592		
700.0	700.0	700.3	700.3	3.1	3.1	125.76	-44.8	62.2	76.7	70.5	6.12	12.520		
800.0	800.0	800.3	800.3	3.2	3.2	125.76	-44.8	62.2	76.7	70.5	6.16	12.436		
900.0	900.0	900.3	900.3	3.2	3.2	125.76	-44.8	62.2	76.7	70.4	6.21	12.343		
1,000.0	1,000.0	1,000.3	1,000.3	3.2	3.2	125.76	-44.8	62.2	76.7	70.4	6.26	12.241		
1,100.0	1,100.0	1,100.3	1,100.3	3.3	3.3	125.76	-44.8	62.2	76.7	70.3	6.32	12.129		
1,200.0	1,200.0	1,200.3	1,200.3	3.4	3.4	125.76	-44.8	62.2	76.7	70.3	6.38	12.010		
1,300.0	1,300.0	1,300.3	1,300.3	3.4	3.4	125.76	-44.8	62.2	76.7	70.2	6.45	11.884		
1,400.0	1,400.0	1,400.3	1,400.3	3.5	3.5	125.76	-44.8	62.2	76.7	70.1	6.52	11.752		
1,500.0	1,500.0	1,500.3	1,500.3	3.5	3.5	125.76	-44.8	62.2	76.7	70.1	6.60	11.614		
1,600.0	1,600.0	1,600.3	1,600.3	3.6	3.6	125.76	-44.8	62.2	76.7	70.0	6.68	11.472		
1,700.0	1,700.0	1,700.3	1,700.3	3.7	3.7	125.76	-44.8	62.2	76.7	69.9	6.77	11.325		
1,800.0	1,800.0	1,800.3	1,800.3	3.8	3.8	125.76	-44.8	62.2	76.7	69.8	6.86	11.176		
1,900.0	1,900.0	1,900.3	1,900.3	3.9	3.9	125.76	-44.8	62.2	76.7	69.7	6.95	11.023		
2,000.0	2,000.0	2,000.3	2,000.3	3.9	3.9	125.76	-44.8	62.2	76.7	69.6	7.05	10.869 CC, ES, SF		
2,100.0	2,100.0	2,100.3	2,100.3	4.0	4.0	-150.15	-44.8	62.2	78.2	71.0	7.14	10.940		
2,200.0	2,199.8	2,200.1	2,200.1	4.0	4.1	-151.91	-44.8	62.2	82.7	75.5	7.22	11.466		
2,300.0	2,299.5	2,299.8	2,299.8	4.1	4.2	-154.44	-44.8	62.2	90.5	83.3	7.27	12.456		
2,400.0	2,398.7	2,399.0	2,399.0	4.1	4.3	-157.32	-44.8	62.2	101.7	94.4	7.31	13.911		
2,500.0	2,497.5	2,497.8	2,497.8	4.2	4.4	-160.19	-44.8	62.2	116.3	108.9	7.35	15.825		
2,600.0	2,595.6	2,593.4	2,593.4	4.2	4.5	-163.30	-44.0	63.5	135.3	127.9	7.36	18.374		
2,700.0	2,693.4	2,687.4	2,687.3	4.3	4.5	-166.80	-41.4	67.3	158.3	151.0	7.37	21.485		
2,800.0	2,791.3	2,781.3	2,780.8	4.3	4.6	-170.13	-37.3	73.6	183.8	176.4	7.39	24.862		
2,900.0	2,889.1	2,877.3	2,876.5	4.4	4.7	-172.86	-32.8	80.6	210.2	202.7	7.44	28.239		
3,000.0	2,986.9	2,973.3	2,972.1	4.5	4.7	-174.97	-28.2	87.6	236.9	229.4	7.52	31.522		
3,100.0	3,084.7	3,069.3	3,067.8	4.5	4.8	-176.66	-23.6	94.6	263.9	256.3	7.61	34.697		
3,200.0	3,182.5	3,165.3	3,163.5	4.6	4.9	-178.04	-19.0	101.6	291.1	283.4	7.71	37.755		
3,300.0	3,280.3	3,261.4	3,259.1	4.7	5.0	-179.18	-14.4	108.6	318.4	310.6	7.82	40.693		
3,400.0	3,378.1	3,357.4	3,354.8	4.8	5.0	179.86	-9.8	115.6	345.8	337.8	7.95	43.509		
3,500.0	3,476.0	3,453.4	3,450.4	4.9	5.1	179.03	-5.3	122.6	373.3	365.2	8.08	46.202		
3,600.0	3,573.8	3,549.4	3,546.1	4.9	5.2	178.33	-0.7	129.6	400.8	392.6	8.22	48.775		
3,700.0	3,671.6	3,645.5	3,641.7	5.0	5.3	177.71	3.9	136.6	428.4	420.0	8.36	51.229		
3,800.0	3,769.4	3,741.5	3,737.4	5.1	5.4	177.17	8.5	143.6	456.0	447.5	8.51	53.567		
3,900.0	3,867.2	3,837.5	3,833.1	5.2	5.5	176.69	13.1	150.6	483.7	475.0	8.67	55.794		
4,000.0	3,965.0	3,933.5	3,928.7	5.3	5.6	176.26	17.6	157.6	511.3	502.5	8.83	57.912		
4,100.0	4,062.8	4,029.6	4,024.4	5.4	5.6	175.87	22.2	164.6	539.1	530.1	9.00	59.926		
4,200.0	4,160.7	4,125.6	4,120.0	5.6	5.7	175.52	26.8	171.6	566.8	557.6	9.17	61.840		
4,300.0	4,258.5	4,221.6	4,215.7	5.7	5.8	175.21	31.4	178.7	594.5	585.2	9.34	63.659		
4,400.0	4,356.3	4,317.6	4,311.4	5.8	5.9	174.92	36.0	185.7	622.3	612.8	9.52	65.386		
4,500.0	4,454.1	4,413.7	4,407.0	5.9	6.0	174.66	40.6	192.7	650.1	640.4	9.70	67.027		
4,600.0	4,551.9	4,509.7	4,502.7	6.0	6.1	174.42	45.1	199.7	677.9	668.0	9.88	68.584		
4,700.0	4,649.7	4,605.7	4,598.3	6.1	6.2	174.20	49.7	206.7	705.7	695.6	10.07	70.063		
4,800.0	4,747.5	4,701.7	4,694.0	6.3	6.3	173.99	54.3	213.7	733.5	723.2	10.26	71.467		
4,900.0	4,845.4	4,797.8	4,789.6	6.4	6.4	173.80	58.9	220.7	761.3	750.8	10.46	72.800		
5,000.0	4,943.2	4,893.8	4,885.3	6.5	6.5	173.63	63.5	227.7	789.1	778.5	10.65	74.066		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #707H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9583-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)		
5,100.0	5,041.0	4,989.8	4,981.0	6.7	6.6	173.46	68.0	234.7	816.9	806.1	10.85	75.268	
5,200.0	5,138.8	5,085.8	5,076.6	6.8	6.7	173.31	72.6	241.7	844.8	833.7	11.06	76.409	
5,300.0	5,236.6	5,181.9	5,172.3	6.9	6.8	173.16	77.2	248.7	872.6	861.4	11.26	77.494	
5,400.0	5,334.4	5,277.9	5,267.9	7.1	6.9	173.03	81.8	255.7	900.5	889.0	11.47	78.525	
5,500.0	5,432.3	5,373.9	5,363.6	7.2	7.0	172.90	86.4	262.7	928.3	916.6	11.68	79.504	
5,600.0	5,530.1	5,469.9	5,459.3	7.4	7.1	172.78	91.0	269.7	956.2	944.3	11.89	80.435	
5,700.0	5,627.9	5,565.9	5,554.9	7.5	7.2	172.67	95.5	276.7	984.0	971.9	12.10	81.320	

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #708H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9814-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)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
0.0	0.0	0.0	0.0	3.0	3.0	144.35	-44.9	32.2	55.3				
100.0	100.0	99.9	99.9	3.0	3.0	144.35	-44.9	32.2	55.3	49.3	6.00	9.208	
200.0	200.0	199.9	199.9	3.0	3.0	144.35	-44.9	32.2	55.3	49.2	6.01	9.196	
300.0	300.0	299.9	299.9	3.0	3.0	144.35	-44.9	32.2	55.3	49.2	6.02	9.171	
400.0	400.0	399.9	399.9	3.0	3.0	144.35	-44.9	32.2	55.3	49.2	6.05	9.133	
500.0	500.0	499.9	499.9	3.1	3.1	144.35	-44.9	32.2	55.3	49.2	6.08	9.083	
600.0	600.0	599.9	599.9	3.1	3.1	144.35	-44.9	32.2	55.3	49.1	6.13	9.021	
700.0	700.0	699.9	699.9	3.1	3.1	144.35	-44.9	32.2	55.3	49.1	6.18	8.947	
800.0	800.0	799.9	799.9	3.2	3.2	144.35	-44.9	32.2	55.3	49.0	6.23	8.864	
900.0	900.0	899.9	899.9	3.2	3.2	144.35	-44.9	32.2	55.3	49.0	6.30	8.771	
1,000.0	1,000.0	999.9	999.9	3.2	3.2	144.35	-44.9	32.2	55.3	48.9	6.37	8.670	
1,100.0	1,100.0	1,099.9	1,099.9	3.3	3.3	144.35	-44.9	32.2	55.3	48.8	6.45	8.561	
1,200.0	1,200.0	1,199.9	1,199.9	3.4	3.4	144.35	-44.9	32.2	55.3	48.7	6.54	8.446	
1,300.0	1,300.0	1,299.9	1,299.9	3.4	3.4	144.35	-44.9	32.2	55.3	48.6	6.64	8.325	
1,400.0	1,400.0	1,399.9	1,399.9	3.5	3.5	144.35	-44.9	32.2	55.3	48.5	6.74	8.200	
1,500.0	1,500.0	1,499.9	1,499.9	3.5	3.5	144.35	-44.9	32.2	55.3	48.4	6.85	8.072	
1,600.0	1,600.0	1,599.9	1,599.9	3.6	3.6	144.35	-44.9	32.2	55.3	48.3	6.96	7.941	
1,700.0	1,700.0	1,699.9	1,699.9	3.7	3.7	144.35	-44.9	32.2	55.3	48.2	7.08	7.807	
1,800.0	1,800.0	1,799.9	1,799.9	3.8	3.8	144.35	-44.9	32.2	55.3	48.1	7.20	7.673	
1,900.0	1,900.0	1,899.9	1,899.9	3.9	3.9	144.35	-44.9	32.2	55.3	47.9	7.33	7.537	
2,000.0	2,000.0	1,999.9	1,999.9	3.9	3.9	144.35	-44.9	32.2	55.3	47.8	7.46	7.402 CC, ES, SF	
2,100.0	2,100.0	2,099.9	2,099.9	4.0	4.0	-132.25	-44.9	32.2	56.4	48.8	7.57	7.453	
2,200.0	2,199.8	2,199.7	2,199.7	4.0	4.1	-135.90	-44.9	32.2	60.1	52.4	7.61	7.887	
2,300.0	2,299.5	2,299.4	2,299.4	4.1	4.2	-141.03	-44.9	32.2	66.6	59.0	7.61	8.746	
2,400.0	2,398.7	2,398.6	2,398.6	4.1	4.3	-146.66	-44.9	32.2	76.5	68.9	7.59	10.074	
2,500.0	2,497.5	2,497.4	2,497.4	4.2	4.4	-152.00	-44.9	32.2	90.0	82.4	7.57	11.893	
2,600.0	2,595.6	2,598.8	2,598.8	4.2	4.5	-157.21	-43.5	31.2	105.8	98.2	7.55	14.008	
2,700.0	2,693.4	2,700.6	2,700.5	4.3	4.6	-162.32	-39.1	28.2	120.9	113.4	7.55	16.017	
2,800.0	2,791.3	2,801.0	2,800.5	4.3	4.7	-166.98	-32.3	23.5	134.3	126.7	7.55	17.770	
2,900.0	2,889.1	2,899.6	2,898.7	4.4	4.7	-170.81	-25.2	18.6	148.0	140.4	7.58	19.511	
3,000.0	2,986.9	2,998.2	2,997.0	4.5	4.8	-173.99	-18.1	13.7	162.3	154.6	7.63	21.256	
3,100.0	3,084.7	3,096.8	3,095.2	4.5	4.9	-176.65	-11.1	8.8	177.0	169.3	7.70	22.988	
3,200.0	3,182.5	3,195.4	3,193.4	4.6	5.0	-178.91	-4.0	3.9	192.0	184.2	7.77	24.695	
3,300.0	3,280.3	3,294.0	3,291.6	4.7	5.1	179.17	3.1	-1.0	207.2	199.4	7.86	26.367	
3,400.0	3,378.1	3,392.6	3,389.9	4.8	5.2	177.51	10.1	-5.9	222.7	214.7	7.95	27.999	
3,500.0	3,476.0	3,491.2	3,488.1	4.9	5.3	176.07	17.2	-10.7	238.3	230.3	8.05	29.586	
3,600.0	3,573.8	3,589.9	3,586.3	4.9	5.4	174.80	24.3	-15.6	254.1	245.9	8.16	31.125	
3,700.0	3,671.6	3,688.5	3,684.6	5.0	5.5	173.68	31.3	-20.5	269.9	261.6	8.28	32.614	
3,800.0	3,769.4	3,787.1	3,782.8	5.1	5.6	172.69	38.4	-25.4	285.8	277.5	8.39	34.051	
3,900.0	3,867.2	3,885.7	3,881.0	5.2	5.7	171.80	45.5	-30.3	301.9	293.3	8.52	35.437	
4,000.0	3,965.0	3,984.3	3,979.3	5.3	5.8	171.00	52.5	-35.2	318.0	309.3	8.65	36.770	
4,100.0	4,062.8	4,082.9	4,077.5	5.4	5.9	170.28	59.6	-40.1	334.1	325.3	8.78	38.052	
4,200.0	4,160.7	4,181.5	4,175.7	5.6	6.0	169.62	66.7	-45.0	350.3	341.4	8.92	39.281	
4,300.0	4,258.5	4,280.1	4,274.0	5.7	6.1	169.02	73.8	-49.8	366.5	357.4	9.06	40.461	
4,400.0	4,356.3	4,378.7	4,372.2	5.8	6.2	168.48	80.8	-54.7	382.8	373.6	9.20	41.590	
4,500.0	4,454.1	4,477.3	4,470.4	5.9	6.3	167.97	87.9	-59.6	399.0	389.7	9.35	42.672	
4,600.0	4,551.9	4,575.9	4,568.6	6.0	6.4	167.51	95.0	-64.5	415.4	405.9	9.50	43.705	
4,700.0	4,649.7	4,674.5	4,666.9	6.1	6.5	167.08	102.0	-69.4	431.7	422.0	9.66	44.693	
4,800.0	4,747.5	4,773.1	4,765.1	6.3	6.6	166.69	109.1	-74.3	448.1	438.3	9.82	45.636	
4,900.0	4,845.4	4,869.8	4,861.4	6.4	6.8	166.35	115.8	-78.9	464.6	454.6	9.98	46.545	
5,000.0	4,943.2	4,964.8	4,956.2	6.5	6.9	166.20	121.3	-82.7	481.7	471.6	10.15	47.463	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #708H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9814-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		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,100.0	5,041.0	5,059.6	5,050.8	6.7	7.0	166.22	125.4	-85.5	499.6	489.3	10.32	48.401	
5,200.0	5,138.8	5,154.1	5,145.3	6.8	7.1	166.40	128.2	-87.5	518.3	507.8	10.50	49.360	
5,300.0	5,236.6	5,248.2	5,239.4	6.9	7.2	166.72	129.8	-88.6	537.6	527.0	10.68	50.330	
5,400.0	5,334.4	5,343.1	5,334.3	7.1	7.3	167.16	130.1	-88.8	557.7	546.9	10.87	51.326	
5,500.0	5,432.3	5,441.0	5,432.2	7.2	7.4	167.62	130.1	-88.8	578.0	567.0	11.04	52.347	
5,600.0	5,530.1	5,538.8	5,530.0	7.4	7.5	168.04	130.1	-88.8	598.4	587.2	11.22	53.334	
5,700.0	5,627.9	5,636.6	5,627.8	7.5	7.6	168.44	130.1	-88.8	618.7	607.4	11.40	54.289	
5,800.0	5,725.7	5,734.4	5,725.6	7.6	7.7	168.81	130.1	-88.8	639.1	627.6	11.58	55.213	
5,900.0	5,823.5	5,832.2	5,823.4	7.8	7.9	169.16	130.1	-88.8	659.6	647.8	11.76	56.108	
6,000.0	5,921.3	5,930.0	5,921.2	8.0	8.0	169.49	130.1	-88.8	680.0	668.1	11.94	56.974	
6,100.0	6,019.1	6,027.9	6,019.0	8.1	8.1	169.80	130.1	-88.8	700.5	688.4	12.12	57.813	
6,200.0	6,117.0	6,125.7	6,116.9	8.3	8.2	170.10	130.1	-88.8	721.0	708.7	12.30	58.625	
6,300.0	6,214.8	6,223.5	6,214.7	8.4	8.3	170.37	130.1	-88.8	741.5	729.0	12.48	59.411	
6,400.0	6,312.6	6,321.3	6,312.5	8.6	8.4	170.63	130.1	-88.8	762.0	749.3	12.66	60.173	
6,500.0	6,410.4	6,419.1	6,410.3	8.8	8.6	170.88	130.1	-88.8	782.5	769.7	12.85	60.911	
6,600.0	6,508.2	6,516.9	6,508.1	8.9	8.7	171.12	130.1	-88.8	803.1	790.0	13.03	61.627	
6,700.0	6,606.0	6,614.7	6,605.9	9.1	8.8	171.34	130.1	-88.8	823.6	810.4	13.22	62.321	
6,800.0	6,703.8	6,712.6	6,703.7	9.3	8.9	171.55	130.1	-88.8	844.2	830.8	13.40	62.993	
6,900.0	6,801.7	6,810.4	6,801.6	9.5	9.0	171.75	130.1	-88.8	864.8	851.2	13.59	63.646	
7,000.0	6,899.5	6,908.2	6,899.4	9.7	9.2	171.95	130.1	-88.8	885.4	871.6	13.77	64.278	
7,100.0	6,997.3	7,006.0	6,997.2	9.8	9.3	172.13	130.1	-88.8	906.0	892.0	13.96	64.892	
7,200.0	7,095.1	7,103.8	7,095.0	10.0	9.4	172.31	130.1	-88.8	926.6	912.4	14.15	65.488	
7,300.0	7,192.9	7,201.6	7,192.8	10.2	9.5	172.48	130.1	-88.8	947.2	932.9	14.34	66.066	
7,400.0	7,290.7	7,299.4	7,290.6	10.4	9.6	172.64	130.1	-88.8	967.8	953.3	14.53	66.627	
7,500.0	7,388.5	7,397.3	7,388.4	10.6	9.8	172.79	130.1	-88.8	988.4	973.7	14.72	67.172	

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

ConocoPhillips

Anticollision Report

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Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9577-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 Offset	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)			
0.0	0.0	0.0	0.0	3.0	3.0	177.20		-45.0	2.2	45.1				
100.0	100.0	99.7	99.7	3.0	3.0	177.20		-45.0	2.2	45.1	39.1	6.00	7.508	
200.0	200.0	199.7	199.7	3.0	3.0	177.20		-45.0	2.2	45.1	39.0	6.01	7.495	
300.0	300.0	299.7	299.7	3.0	3.0	177.20		-45.0	2.2	45.1	39.0	6.03	7.469	
400.0	400.0	399.7	399.7	3.0	3.0	177.20		-45.0	2.2	45.1	39.0	6.07	7.428	
500.0	500.0	499.7	499.7	3.1	3.1	177.20		-45.0	2.2	45.1	38.9	6.11	7.374	
600.0	600.0	599.7	599.7	3.1	3.1	177.20		-45.0	2.2	45.1	38.9	6.16	7.308	
700.0	700.0	699.7	699.7	3.1	3.1	177.20		-45.0	2.2	45.1	38.8	6.23	7.231	
800.0	800.0	799.7	799.7	3.2	3.2	177.20		-45.0	2.2	45.1	38.7	6.31	7.144	
900.0	900.0	899.7	899.7	3.2	3.2	177.20		-45.0	2.2	45.1	38.7	6.39	7.048	
1,000.0	1,000.0	999.7	999.7	3.2	3.2	177.20		-45.0	2.2	45.1	38.6	6.49	6.944	
1,100.0	1,100.0	1,099.7	1,099.7	3.3	3.3	177.20		-45.0	2.2	45.1	38.5	6.59	6.833	
1,200.0	1,200.0	1,199.7	1,199.7	3.4	3.4	177.20		-45.0	2.2	45.1	38.3	6.71	6.718	
1,300.0	1,300.0	1,299.7	1,299.7	3.4	3.4	177.20		-45.0	2.2	45.1	38.2	6.83	6.598	
1,400.0	1,400.0	1,399.7	1,399.7	3.5	3.5	177.20		-45.0	2.2	45.1	38.1	6.96	6.475	
1,500.0	1,500.0	1,499.7	1,499.7	3.5	3.5	177.20		-45.0	2.2	45.1	38.0	7.10	6.350	
1,600.0	1,600.0	1,599.7	1,599.7	3.6	3.6	177.20		-45.0	2.2	45.1	37.8	7.24	6.224	
1,700.0	1,700.0	1,699.7	1,699.7	3.7	3.7	177.20		-45.0	2.2	45.1	37.7	7.39	6.097	
1,800.0	1,800.0	1,799.7	1,799.7	3.8	3.8	177.20		-45.0	2.2	45.1	37.5	7.55	5.970	
1,900.0	1,900.0	1,899.7	1,899.7	3.9	3.9	177.20		-45.0	2.2	45.1	37.3	7.71	5.844	
2,000.0	2,000.0	1,999.7	1,999.7	3.9	3.9	177.20		-45.0	2.2	45.1	37.2	7.88	5.719 CC, ES	
2,100.0	2,100.0	2,099.7	2,099.7	4.0	4.0	-100.26		-45.0	2.2	45.3	37.3	8.02	5.654	
2,200.0	2,199.8	2,199.5	2,199.5	4.0	4.1	-106.58		-45.0	2.2	46.6	38.4	8.11	5.739	
2,300.0	2,299.5	2,299.2	2,299.2	4.1	4.2	-116.16		-45.0	2.2	49.7	41.6	8.14	6.110	
2,400.0	2,398.7	2,398.4	2,398.4	4.1	4.3	-127.22		-45.0	2.2	56.2	48.1	8.08	6.956	
2,500.0	2,497.5	2,497.2	2,497.2	4.2	4.4	-137.74		-45.0	2.2	66.9	58.9	7.96	8.402	
2,600.0	2,595.6	2,597.9	2,597.9	4.2	4.5	-146.33		-44.5	0.6	80.6	72.7	7.87	10.244	
2,700.0	2,693.4	2,699.6	2,699.5	4.3	4.5	-152.46		-42.8	-4.4	93.7	85.8	7.84	11.947	
2,800.0	2,791.3	2,802.2	2,801.7	4.3	4.6	-156.74		-39.9	-12.9	104.0	96.1	7.86	13.227	
2,900.0	2,889.1	2,901.6	2,900.5	4.4	4.6	-160.00		-36.6	-22.7	113.1	105.2	7.92	14.286	
3,000.0	2,986.9	3,001.0	2,999.4	4.5	4.7	-162.78		-33.3	-32.6	122.5	114.5	7.99	15.339	
3,100.0	3,084.7	3,100.4	3,098.2	4.5	4.8	-165.16		-29.9	-42.4	132.2	124.1	8.07	16.378	
3,200.0	3,182.5	3,199.8	3,197.1	4.6	4.8	-167.21		-26.6	-52.3	142.0	133.9	8.17	17.395	
3,300.0	3,280.3	3,299.2	3,295.9	4.7	4.9	-168.99		-23.3	-62.1	152.1	143.8	8.27	18.386	
3,400.0	3,378.1	3,398.6	3,394.8	4.8	5.0	-170.55		-19.9	-71.9	162.2	153.8	8.38	19.347	
3,500.0	3,476.0	3,498.0	3,493.6	4.9	5.0	-171.93		-16.6	-81.8	172.4	163.9	8.50	20.278	
3,600.0	3,573.8	3,597.4	3,592.5	4.9	5.1	-173.15		-13.3	-91.6	182.8	174.2	8.63	21.175	
3,700.0	3,671.6	3,696.8	3,691.3	5.0	5.2	-174.24		-10.0	-101.5	193.2	184.4	8.77	22.039	
3,800.0	3,769.4	3,796.2	3,790.2	5.1	5.3	-175.22		-6.6	-111.3	203.7	194.8	8.91	22.869	
3,900.0	3,867.2	3,895.5	3,889.0	5.2	5.4	-176.11		-3.3	-121.2	214.2	205.1	9.05	23.665	
4,000.0	3,965.0	3,994.9	3,987.8	5.3	5.4	-176.91		0.0	-131.0	224.8	215.6	9.20	24.428	
4,100.0	4,062.8	4,094.3	4,086.7	5.4	5.5	-177.64		3.3	-140.8	235.4	226.0	9.36	25.158	
4,200.0	4,160.7	4,193.7	4,185.5	5.6	5.6	-178.30		6.7	-150.7	246.0	236.5	9.51	25.855	
4,300.0	4,258.5	4,293.1	4,284.4	5.7	5.7	-178.91		10.0	-160.5	256.7	247.0	9.68	26.522	
4,400.0	4,356.3	4,392.5	4,383.2	5.8	5.8	-179.48		13.3	-170.4	267.4	257.5	9.85	27.158	
4,500.0	4,454.1	4,491.9	4,482.1	5.9	5.9	-179.99		16.6	-180.2	278.1	268.1	10.02	27.765	
4,600.0	4,551.9	4,591.3	4,580.9	6.0	6.0	179.53		20.0	-190.1	288.8	278.6	10.19	28.344	
4,700.0	4,649.7	4,690.7	4,679.8	6.1	6.1	179.08		23.3	-199.9	299.6	289.2	10.37	28.896	
4,800.0	4,747.5	4,790.1	4,778.6	6.3	6.2	178.66		26.6	-209.7	310.4	299.8	10.55	29.422	
4,900.0	4,845.4	4,889.5	4,877.5	6.4	6.3	178.28		29.9	-219.6	321.2	310.4	10.73	29.923	
5,000.0	4,943.2	4,988.9	4,976.3	6.5	6.4	177.92		33.3	-229.4	332.0	321.1	10.92	30.401	

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

ConocoPhillips

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Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1													Offset Site Error: 0.0 usft	
Survey Program: 0-Standard Keeper 104, 9577-MWD+IFR1+FDIR		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	
5,100.0	5,041.0	5,088.3	5,075.2	6.7	6.5	177.58	36.6	-239.3	342.8	331.7	11.11	30.856		
5,200.0	5,138.8	5,187.7	5,174.0	6.8	6.6	177.26	39.9	-249.1	353.6	342.3	11.30	31.289		
5,300.0	5,236.6	5,287.1	5,272.9	6.9	6.7	176.96	43.2	-259.0	364.5	353.0	11.50	31.702		
5,400.0	5,334.4	5,386.4	5,371.7	7.1	6.8	176.68	46.6	-268.8	375.3	363.6	11.69	32.095		
5,500.0	5,432.3	5,485.8	5,470.6	7.2	6.9	176.41	49.9	-278.6	386.2	374.3	11.89	32.470		
5,600.0	5,530.1	5,585.2	5,569.4	7.4	7.0	176.16	53.2	-288.5	397.1	385.0	12.10	32.827		
5,700.0	5,627.9	5,684.6	5,668.3	7.5	7.1	175.92	56.5	-298.3	407.9	395.6	12.30	33.167		
5,800.0	5,725.7	5,784.0	5,767.1	7.6	7.2	175.70	59.9	-308.2	418.8	406.3	12.50	33.492		
5,900.0	5,823.5	5,883.4	5,866.0	7.8	7.3	175.48	63.2	-318.0	429.7	417.0	12.71	33.801		
6,000.0	5,921.3	5,982.8	5,964.8	8.0	7.4	175.28	66.5	-327.9	440.6	427.7	12.92	34.096		
6,100.0	6,019.1	6,082.2	6,063.7	8.1	7.5	175.08	69.8	-337.7	451.5	438.3	13.13	34.377		
6,200.0	6,117.0	6,181.6	6,162.5	8.3	7.6	174.90	73.2	-347.5	462.4	449.0	13.35	34.645		
6,300.0	6,214.8	6,281.0	6,261.4	8.4	7.8	174.72	76.5	-357.4	473.3	459.7	13.56	34.901		
6,400.0	6,312.6	6,380.4	6,360.2	8.6	7.9	174.55	79.8	-367.2	484.2	470.4	13.78	35.145		
6,500.0	6,410.4	6,479.8	6,459.1	8.8	8.0	174.39	83.2	-377.1	495.1	481.1	14.00	35.377		
6,600.0	6,508.2	6,579.2	6,557.9	8.9	8.1	174.24	86.5	-386.9	506.0	491.8	14.21	35.600		
6,700.0	6,606.0	6,678.6	6,656.8	9.1	8.2	174.09	89.8	-396.8	517.0	502.5	14.44	35.812		
6,800.0	6,703.8	6,778.0	6,755.6	9.3	8.3	173.95	93.1	-406.6	527.9	513.2	14.66	36.015		
6,900.0	6,801.7	6,877.3	6,854.5	9.5	8.4	173.81	96.5	-416.4	538.8	523.9	14.88	36.208		
7,000.0	6,899.5	6,976.7	6,953.3	9.7	8.5	173.68	99.8	-426.3	549.7	534.6	15.11	36.393		
7,100.0	6,997.3	7,076.1	7,052.2	9.8	8.7	173.56	103.1	-436.1	560.7	545.3	15.33	36.570		
7,200.0	7,095.1	7,175.5	7,151.0	10.0	8.8	173.44	106.4	-446.0	571.6	556.1	15.56	36.738		
7,300.0	7,192.9	7,274.9	7,249.9	10.2	8.9	173.32	109.8	-455.8	582.5	566.8	15.79	36.900		
7,400.0	7,290.7	7,374.3	7,348.7	10.4	9.0	173.21	113.1	-465.7	593.5	577.5	16.02	37.054		
7,500.0	7,388.5	7,473.7	7,447.6	10.6	9.1	173.10	116.4	-475.5	604.4	588.2	16.25	37.202		
7,600.0	7,486.4	7,568.2	7,541.6	10.8	9.2	173.01	119.5	-484.7	615.6	599.1	16.48	37.356		
7,700.0	7,584.2	7,658.3	7,631.3	11.0	9.3	172.97	122.1	-492.2	628.1	611.3	16.72	37.570		
7,800.0	7,682.0	7,748.0	7,720.7	11.2	9.5	172.97	124.1	-498.4	642.0	625.0	16.96	37.848		
7,900.0	7,779.8	7,837.3	7,809.9	11.4	9.6	173.01	125.8	-503.2	657.4	640.1	17.21	38.186		
8,000.0	7,877.6	7,926.2	7,898.7	11.6	9.7	173.10	127.0	-506.7	674.2	656.7	17.47	38.582		
8,100.0	7,975.4	8,014.6	7,987.1	11.9	9.8	173.22	127.7	-508.9	692.4	674.7	17.74	39.031		
8,200.0	8,073.2	8,102.5	8,075.0	12.1	9.9	173.37	128.0	-509.8	712.1	694.1	18.01	39.531		
8,227.2	8,099.8	8,127.0	8,099.5	12.1	9.9	173.42	128.0	-509.8	717.7	699.6	18.08	39.702		
8,300.0	8,171.2	8,198.4	8,170.9	12.3	9.9	173.56	128.0	-509.8	732.3	714.1	18.21	40.212		
8,400.0	8,269.4	8,296.6	8,269.1	12.5	10.0	173.74	128.0	-509.8	750.8	732.5	18.39	40.823		
8,500.0	8,367.9	8,395.1	8,367.6	12.7	10.1	173.90	128.0	-509.8	767.7	749.2	18.57	41.335		
8,600.0	8,466.8	8,494.0	8,466.5	12.8	10.2	174.03	128.0	-509.8	782.9	764.1	18.75	41.750		
8,700.0	8,565.9	8,593.1	8,565.6	13.0	10.3	174.15	128.0	-509.8	796.3	777.4	18.93	42.070		
8,800.0	8,665.2	8,692.4	8,664.9	13.1	10.4	174.25	128.0	-509.8	808.1	789.0	19.10	42.298		
8,900.0	8,764.6	8,791.8	8,764.3	13.3	10.5	174.33	128.0	-509.8	818.1	798.8	19.28	42.436		
9,000.0	8,864.3	8,891.5	8,864.0	13.4	10.6	174.39	128.0	-509.8	826.4	806.9	19.45	42.487		
9,100.0	8,964.1	8,991.3	8,963.8	13.5	10.8	174.44	128.0	-509.8	832.9	813.3	19.62	42.453		
9,200.0	9,064.0	9,091.2	9,063.7	13.6	10.9	174.48	128.0	-509.8	837.7	817.9	19.79	42.337		
9,300.0	9,163.9	9,191.1	9,163.6	13.6	11.0	174.50	128.0	-509.8	840.8	820.8	19.95	42.139		
9,400.0	9,263.9	9,291.1	9,263.6	13.6	11.1	174.51	128.0	-509.8	842.1	822.0	20.12	41.863		
9,427.2	9,291.1	9,318.3	9,290.8	13.7	11.1	89.80	128.0	-509.8	842.2	822.1	20.15	41.795		
9,500.0	9,363.9	9,391.1	9,363.6	13.7	11.2	89.80	128.0	-509.8	842.2	822.0	20.22	41.661		
9,600.0	9,463.9	9,491.1	9,463.6	13.8	11.3	89.80	128.0	-509.8	842.2	821.9	20.31	41.478		
9,676.1	9,540.0	9,567.2	9,539.7	13.8	11.3	89.80	128.0	-509.8	842.2	821.8	20.36	41.365		
9,700.0	9,563.9	9,590.3	9,562.8	13.8	11.3	-87.54	127.9	-509.8	842.2	821.8	20.37	41.335		
9,750.0	9,613.7	9,637.4	9,609.8	13.8	11.3	-87.61	124.9	-509.7	842.1	821.7	20.40	41.280		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9577-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	
Depth	Depth	Depth	Depth	Depth	Depth	Depth	Toolface	+N/-S	+E/-W	Between	Between	Minimum	Separation
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor
										(usft)	(usft)	(usft)	
9,800.0	9,662.9	9,684.5	9,656.4	14.7	11.4	-87.70	118.0	-509.3	842.1	821.7	20.42	41.246	
9,850.0	9,711.2	9,731.8	9,702.4	14.7	11.4	-87.81	107.4	-508.8	842.0	821.6	20.42	41.244	
9,900.0	9,758.2	9,779.2	9,747.6	14.7	11.4	-87.94	92.9	-508.2	841.9	821.5	20.42	41.224	
9,950.0	9,803.6	9,826.7	9,791.5	14.7	11.4	-88.08	74.7	-507.3	841.9	821.4	20.44	41.181	
10,000.0	9,846.9	9,874.4	9,833.8	14.8	11.5	-88.23	52.8	-506.3	841.8	821.3	20.48	41.108	
10,050.0	9,887.9	9,922.3	9,874.4	14.8	11.5	-88.40	27.4	-505.1	841.7	821.2	20.53	41.001	
10,100.0	9,926.3	9,970.4	9,912.8	14.9	11.5	-88.58	-1.4	-503.8	841.6	821.0	20.60	40.850	
10,150.0	9,961.7	10,018.7	9,948.9	14.9	11.6	-88.77	-33.5	-502.3	841.6	820.9	20.70	40.651	
10,200.0	9,993.9	10,067.2	9,982.2	15.0	11.6	-88.97	-68.6	-500.6	841.5	820.7	20.83	40.396	
10,250.0	10,022.6	10,116.0	10,012.6	15.1	11.7	-89.17	-106.7	-498.8	841.4	820.4	20.99	40.083	
10,300.0	10,047.7	10,165.0	10,039.8	15.1	11.8	-89.39	-147.4	-496.9	841.4	820.2	21.19	39.709	
10,350.0	10,068.9	10,214.2	10,063.5	15.2	11.8	-89.61	-190.5	-494.9	841.3	819.9	21.42	39.276	
10,400.0	10,086.1	10,263.8	10,083.6	15.3	11.9	-89.83	-235.8	-492.8	841.3	819.6	21.69	38.786	
10,450.0	10,099.1	10,313.6	10,099.7	15.3	12.0	-90.06	-282.8	-490.6	841.3	819.3	22.00	38.247	
10,487.9	10,106.2	10,351.5	10,109.2	15.3	12.1	-90.23	-319.5	-488.9	841.3	819.0	22.25	37.811	
10,500.0	10,107.9	10,363.7	10,111.7	15.4	12.1	-90.28	-331.4	-488.3	841.3	819.0	22.34	37.667	
10,550.0	10,112.4	10,414.1	10,119.5	15.4	12.2	-90.50	-381.2	-486.0	841.3	818.6	22.70	37.056	
10,578.7	10,113.0	10,443.2	10,121.9	15.4	12.2	-90.63	-410.1	-484.6	841.3	818.4	22.93	36.697	
10,600.0	10,112.9	10,464.8	10,122.8	15.4	12.2	-90.70	-431.7	-483.6	841.3	818.2	23.09	36.431	
10,700.0	10,112.4	10,565.1	10,122.6	15.5	12.4	-90.71	-531.8	-479.0	841.3	817.4	23.94	35.147	
10,800.0	10,111.9	10,665.1	10,122.2	15.6	12.7	-90.72	-631.7	-474.3	841.3	816.4	24.87	33.832	
10,900.0	10,111.5	10,765.1	10,121.7	15.7	13.0	-90.72	-731.6	-469.6	841.2	815.4	25.88	32.509	
11,000.0	10,111.0	10,865.1	10,121.3	15.8	13.4	-90.72	-831.5	-464.9	841.2	814.3	26.96	31.200	
11,100.0	10,110.5	10,965.1	10,120.9	15.9	13.8	-90.72	-931.4	-460.3	841.2	813.1	28.11	29.924	
11,200.0	10,110.1	11,065.1	10,120.5	16.1	14.4	-90.73	-1,031.3	-455.6	841.2	811.9	29.32	28.693	
11,300.0	10,109.6	11,165.1	10,120.0	16.4	14.9	-90.73	-1,131.2	-450.9	841.1	810.6	30.57	27.514	
11,400.0	10,109.2	11,265.1	10,119.6	16.9	15.5	-90.73	-1,231.1	-446.3	841.1	809.2	31.87	26.392	
11,500.0	10,108.7	11,365.1	10,119.2	17.4	16.2	-90.73	-1,331.0	-441.6	841.1	807.9	33.21	25.327	
11,600.0	10,108.2	11,465.1	10,118.8	18.0	16.8	-90.74	-1,430.9	-436.9	841.1	806.5	34.58	24.321	
11,700.0	10,107.8	11,565.1	10,118.3	18.7	17.5	-90.74	-1,530.7	-432.3	841.0	805.1	35.98	23.372	
11,800.0	10,107.3	11,665.1	10,117.9	19.3	18.2	-90.74	-1,630.6	-427.6	841.0	803.6	37.41	22.478	
11,900.0	10,106.9	11,765.1	10,117.5	20.0	19.0	-90.74	-1,730.5	-422.9	841.0	802.1	38.87	21.637	
12,000.0	10,106.4	11,865.1	10,117.0	20.8	19.7	-90.75	-1,830.4	-418.2	841.0	800.6	40.34	20.845	
12,100.0	10,105.9	11,965.1	10,116.6	21.5	20.5	-90.75	-1,930.3	-413.6	840.9	799.1	41.84	20.099	
12,200.0	10,105.5	12,065.1	10,116.2	22.2	21.2	-90.75	-2,030.2	-408.9	840.9	797.6	43.35	19.398	
12,300.0	10,105.0	12,165.1	10,115.8	23.0	22.0	-90.75	-2,130.1	-404.2	840.9	796.0	44.88	18.737	
12,400.0	10,104.6	12,265.1	10,115.3	23.7	22.8	-90.76	-2,230.0	-399.6	840.9	794.4	46.42	18.114	
12,500.0	10,104.1	12,365.1	10,114.9	24.5	23.5	-90.76	-2,329.9	-394.9	840.8	792.9	47.97	17.527	
12,600.0	10,103.6	12,465.1	10,114.5	25.3	24.3	-90.76	-2,429.8	-390.2	840.8	791.3	49.54	16.972	
12,700.0	10,103.2	12,565.1	10,114.1	26.0	25.1	-90.76	-2,529.6	-385.6	840.8	789.7	51.11	16.449	
12,800.0	10,102.7	12,665.1	10,113.6	26.8	25.9	-90.77	-2,629.5	-380.9	840.7	788.0	52.70	15.953	
12,900.0	10,102.3	12,765.1	10,113.2	27.6	26.7	-90.77	-2,729.4	-376.2	840.7	786.4	54.29	15.485	
13,000.0	10,101.8	12,865.1	10,112.8	28.4	27.5	-90.77	-2,829.3	-371.5	840.7	784.8	55.90	15.040	
13,100.0	10,101.3	12,965.1	10,112.4	29.2	28.3	-90.77	-2,929.2	-366.9	840.7	783.2	57.50	14.619	
13,200.0	10,100.9	13,065.1	10,111.9	30.0	29.2	-90.77	-3,029.1	-362.2	840.6	781.5	59.12	14.219	
13,300.0	10,100.4	13,165.1	10,111.5	30.8	30.0	-90.78	-3,129.0	-357.5	840.6	779.9	60.74	13.839	
13,400.0	10,099.9	13,265.1	10,111.1	31.6	30.8	-90.78	-3,228.9	-352.9	840.6	778.2	62.37	13.478	
13,500.0	10,099.5	13,365.1	10,110.7	32.4	31.6	-90.78	-3,328.8	-348.2	840.6	776.6	64.00	13.133	
13,600.0	10,099.0	13,465.1	10,110.2	33.2	32.4	-90.78	-3,428.7	-343.5	840.5	774.9	65.64	12.805	
13,700.0	10,098.6	13,565.1	10,109.8	34.0	33.3	-90.79	-3,528.5	-338.9	840.5	773.2	67.28	12.493	
13,800.0	10,098.1	13,665.1	10,109.4	34.8	34.1	-90.79	-3,628.4	-334.2	840.5	771.6	68.93	12.194	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9577-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)			
13,900.0	10,097.6	13,765.1	10,108.9	35.7	34.9	-90.79	-3,728.3	-329.5	840.5	769.9	70.58	11.908	
14,000.0	10,097.2	13,865.1	10,108.5	36.5	35.8	-90.79	-3,828.2	-324.8	840.4	768.2	72.23	11.636	
14,100.0	10,096.7	13,965.1	10,108.1	37.3	36.6	-90.80	-3,928.1	-320.2	840.4	766.5	73.89	11.374	
14,200.0	10,096.3	14,065.1	10,107.7	38.1	37.4	-90.80	-4,028.0	-315.5	840.4	764.8	75.55	11.124	
14,300.0	10,095.8	14,165.1	10,107.2	39.0	38.3	-90.80	-4,127.9	-310.8	840.4	763.1	77.21	10.884	
14,400.0	10,095.3	14,265.1	10,106.8	39.8	39.1	-90.80	-4,227.8	-306.2	840.3	761.5	78.88	10.654	
14,500.0	10,094.9	14,365.1	10,106.4	40.6	39.9	-90.81	-4,327.7	-301.5	840.3	759.8	80.54	10.433	
14,600.0	10,094.4	14,465.1	10,106.0	41.4	40.8	-90.81	-4,427.6	-296.8	840.3	758.1	82.21	10.221	
14,700.0	10,094.0	14,565.1	10,105.5	42.3	41.6	-90.81	-4,527.4	-292.2	840.3	756.4	83.89	10.016	
14,800.0	10,093.5	14,665.1	10,105.1	43.1	42.5	-90.81	-4,627.3	-287.5	840.2	754.7	85.56	9.820	
14,900.0	10,093.0	14,765.1	10,104.7	43.9	43.3	-90.82	-4,727.2	-282.8	840.2	753.0	87.24	9.631	
15,000.0	10,092.6	14,865.1	10,104.3	44.8	44.1	-90.82	-4,827.1	-278.1	840.2	751.3	88.92	9.449	
15,100.0	10,092.1	14,965.1	10,103.8	45.6	45.0	-90.82	-4,927.0	-273.5	840.1	749.5	90.60	9.273	
15,200.0	10,091.6	15,065.1	10,103.4	46.5	45.8	-90.82	-5,026.9	-268.8	840.1	747.8	92.28	9.104	
15,275.4	10,091.3	15,140.5	10,103.1	47.1	46.5	-90.82	-5,102.2	-265.3	840.1	746.6	93.55	8.980	
15,276.1	10,091.3	15,141.3	10,103.1	47.1	46.5	-90.82	-5,103.0	-265.3	840.1	746.5	93.56	8.979	
15,300.0	10,091.2	15,165.1	10,103.0	47.3	46.7	-90.82	-5,126.8	-264.1	840.2	746.2	93.96	8.942	
15,400.0	10,090.7	15,299.1	10,102.4	48.1	47.8	-90.82	-5,260.7	-260.2	841.1	745.2	95.91	8.770	
15,433.7	10,090.6	15,346.8	10,102.2	48.4	48.2	-90.81	-5,308.4	-260.3	841.1	744.6	96.54	8.713	
15,458.8	10,090.5	15,370.3	10,102.1	48.6	48.4	-90.81	-5,331.9	-260.5	841.1	744.2	96.95	8.676	
15,500.0	10,090.3	15,411.6	10,101.9	49.0	48.7	-90.81	-5,373.2	-260.9	841.1	743.5	97.64	8.615	
15,600.0	10,089.8	15,511.6	10,101.5	49.8	49.6	-90.82	-5,473.2	-261.7	841.1	741.8	99.31	8.469	
15,700.0	10,089.3	15,611.6	10,101.1	50.6	50.4	-90.82	-5,573.1	-262.6	841.1	740.1	100.99	8.328	
15,800.0	10,088.9	15,711.6	10,100.6	51.5	51.3	-90.82	-5,673.1	-263.4	841.1	738.4	102.67	8.192	
15,900.0	10,088.4	15,811.6	10,100.2	52.3	52.1	-90.82	-5,773.1	-264.3	841.0	736.7	104.34	8.060	
16,000.0	10,088.0	15,911.6	10,099.8	53.1	53.0	-90.83	-5,873.1	-265.1	841.0	735.0	106.02	7.932	
16,100.0	10,087.5	16,011.6	10,099.4	54.0	53.8	-90.83	-5,973.1	-266.0	841.0	733.3	107.70	7.808	
16,200.0	10,087.0	16,111.6	10,098.9	54.8	54.6	-90.83	-6,073.1	-266.8	841.0	731.6	109.39	7.688	
16,300.0	10,086.6	16,211.6	10,098.5	55.7	55.5	-90.83	-6,173.1	-267.7	841.0	729.9	111.07	7.572	
16,400.0	10,086.1	16,311.6	10,098.1	56.5	56.3	-90.84	-6,273.1	-268.5	840.9	728.2	112.75	7.458	
16,500.0	10,085.6	16,411.6	10,097.7	57.3	57.2	-90.84	-6,373.1	-269.4	840.9	726.5	114.44	7.348	
16,600.0	10,085.2	16,511.6	10,097.2	58.2	58.0	-90.84	-6,473.1	-270.2	840.9	724.8	116.12	7.241	
16,700.0	10,084.7	16,611.6	10,096.8	59.0	58.9	-90.84	-6,573.1	-271.1	840.9	723.1	117.81	7.138	
16,800.0	10,084.3	16,711.6	10,096.4	59.9	59.7	-90.85	-6,673.1	-271.9	840.8	721.3	119.49	7.037	
16,900.0	10,083.8	16,811.6	10,095.9	60.7	60.6	-90.85	-6,773.1	-272.8	840.8	719.6	121.18	6.938	
17,000.0	10,083.3	16,911.6	10,095.5	61.5	61.4	-90.85	-6,873.1	-273.6	840.8	717.9	122.87	6.843	
17,100.0	10,082.9	17,011.6	10,095.1	62.4	62.2	-90.85	-6,973.1	-274.5	840.8	716.2	124.56	6.750	
17,200.0	10,082.4	17,111.6	10,094.7	63.2	63.1	-90.86	-7,073.1	-275.3	840.8	714.5	126.25	6.659	
17,300.0	10,082.0	17,211.6	10,094.2	64.1	63.9	-90.86	-7,173.1	-276.2	840.7	712.8	127.94	6.571	
17,400.0	10,081.5	17,311.6	10,093.8	64.9	64.8	-90.86	-7,273.1	-277.0	840.7	711.1	129.63	6.485	
17,500.0	10,081.0	17,411.6	10,093.4	65.8	65.6	-90.86	-7,373.1	-277.9	840.7	709.4	131.33	6.402	
17,600.0	10,080.6	17,511.6	10,093.0	66.6	66.5	-90.86	-7,473.1	-278.8	840.7	707.6	133.02	6.320	
17,700.0	10,080.1	17,611.6	10,092.5	67.4	67.3	-90.87	-7,573.1	-279.6	840.6	705.9	134.71	6.240	
17,800.0	10,079.6	17,711.6	10,092.1	68.3	68.2	-90.87	-7,673.1	-280.5	840.6	704.2	136.41	6.163	
17,900.0	10,079.2	17,811.6	10,091.7	69.1	69.0	-90.87	-7,773.0	-281.3	840.6	702.5	138.10	6.087	
18,000.0	10,078.7	17,911.6	10,091.2	70.0	69.9	-90.87	-7,873.0	-282.2	840.6	700.8	139.79	6.013	
18,100.0	10,078.3	18,011.6	10,090.8	70.8	70.7	-90.88	-7,973.0	-283.0	840.6	699.1	141.49	5.941	
18,200.0	10,077.8	18,111.6	10,090.4	71.7	71.6	-90.88	-8,073.0	-283.9	840.5	697.3	143.19	5.870	
18,300.0	10,077.3	18,211.6	10,090.0	72.5	72.4	-90.88	-8,173.0	-284.7	840.5	695.6	144.88	5.801	
18,400.0	10,076.9	18,311.6	10,089.5	73.4	73.3	-90.88	-8,273.0	-285.6	840.5	693.9	146.58	5.734	
18,500.0	10,076.4	18,411.6	10,089.1	74.2	74.1	-90.89	-8,373.0	-286.4	840.5	692.2	148.28	5.668	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program:		0-Standard Keeper 104, 9577-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	Warning	
18,600.0	10,076.0	18,511.6	10,088.7	75.1	75.0	-90.89	-8,473.0	-287.3	840.4	690.5	149.97	5.604		
18,700.0	10,075.5	18,611.6	10,088.3	75.9	75.8	-90.89	-8,573.0	-288.1	840.4	688.7	151.67	5.541		
18,800.0	10,075.0	18,711.6	10,087.8	76.8	76.7	-90.89	-8,673.0	-289.0	840.4	687.0	153.37	5.480		
18,900.0	10,074.6	18,811.6	10,087.4	77.6	77.5	-90.90	-8,773.0	-289.8	840.4	685.3	155.07	5.419		
19,000.0	10,074.1	18,911.6	10,087.0	78.5	78.4	-90.90	-8,873.0	-290.7	840.4	683.6	156.77	5.360		
19,100.0	10,073.6	19,011.6	10,086.5	79.3	79.2	-90.90	-8,973.0	-291.5	840.3	681.9	158.47	5.303		
19,200.0	10,073.2	19,111.6	10,086.1	80.1	80.1	-90.90	-9,073.0	-292.4	840.3	680.1	160.17	5.246		
19,300.0	10,072.7	19,211.6	10,085.7	81.0	80.9	-90.90	-9,173.0	-293.2	840.3	678.4	161.87	5.191		
19,400.0	10,072.3	19,311.6	10,085.3	81.8	81.8	-90.91	-9,273.0	-294.1	840.3	676.7	163.57	5.137		
19,500.0	10,071.8	19,411.6	10,084.8	82.7	82.6	-90.91	-9,373.0	-294.9	840.2	675.0	165.27	5.084		
19,600.0	10,071.3	19,511.6	10,084.4	83.5	83.5	-90.91	-9,473.0	-295.8	840.2	673.2	166.97	5.032		
19,700.0	10,070.9	19,611.6	10,084.0	84.4	84.3	-90.91	-9,573.0	-296.6	840.2	671.5	168.67	4.981		
19,800.0	10,070.4	19,711.6	10,083.6	85.2	85.2	-90.92	-9,673.0	-297.5	840.2	669.8	170.37	4.931		
19,900.0	10,070.0	19,811.6	10,083.1	86.1	86.0	-90.92	-9,773.0	-298.4	840.2	668.1	172.08	4.882		
20,000.0	10,069.5	19,911.6	10,082.7	86.9	86.9	-90.92	-9,873.0	-299.2	840.1	666.4	173.78	4.834		
20,100.0	10,069.0	20,011.6	10,082.3	87.8	87.7	-90.92	-9,972.9	-300.1	840.1	664.6	175.48	4.787		
20,200.0	10,068.6	20,111.6	10,081.8	88.6	88.6	-90.93	-10,072.9	-300.9	840.1	662.9	177.18	4.741		
20,300.0	10,068.1	20,211.6	10,081.4	89.5	89.5	-90.93	-10,172.9	-301.8	840.1	661.2	178.89	4.696		
20,400.0	10,067.6	20,311.6	10,081.0	90.3	90.3	-90.93	-10,272.9	-302.6	840.0	659.4	180.59	4.652		
20,500.0	10,067.2	20,411.6	10,080.6	91.2	91.2	-90.93	-10,372.9	-303.5	840.0	657.7	182.29	4.608		
20,600.0	10,066.7	20,511.6	10,080.1	92.0	92.0	-90.94	-10,472.9	-304.3	840.0	656.0	184.00	4.565		
20,627.0	10,066.6	20,538.6	10,080.0	92.3	92.2	-90.94	-10,499.9	-304.5	840.0	655.5	184.46	4.554		
20,652.9	10,066.5	20,559.7	10,079.9	92.5	92.4	-90.94	-10,521.1	-304.7	839.9	655.0	184.88	4.543		
20,667.5	10,066.4	20,571.2	10,079.9	92.6	92.5	-90.94	-10,532.6	-304.7	839.9	654.8	185.11	4.537		
20,700.0	10,066.3	20,603.8	10,079.7	92.9	92.8	-90.94	-10,565.1	-304.7	839.9	654.2	185.66	4.524		
20,800.0	10,065.8	20,703.8	10,079.3	93.7	93.6	-90.94	-10,665.1	-304.6	839.9	652.5	187.37	4.483		
20,900.0	10,065.3	20,803.8	10,078.9	94.6	94.5	-90.94	-10,765.1	-304.5	839.9	650.8	189.08	4.442		
21,000.0	10,064.9	20,903.8	10,078.5	95.5	95.4	-90.95	-10,865.1	-304.4	839.9	649.1	190.78	4.402		
21,100.0	10,064.4	21,003.8	10,078.0	96.3	96.2	-90.95	-10,965.1	-304.4	839.9	647.4	192.49	4.363		
21,200.0	10,064.0	21,103.8	10,077.6	97.2	97.1	-90.95	-11,065.1	-304.3	839.9	645.7	194.20	4.325		
21,300.0	10,063.5	21,203.8	10,077.2	98.0	97.9	-90.95	-11,165.1	-304.2	839.9	644.0	195.90	4.287		
21,400.0	10,063.0	21,303.8	10,076.7	98.9	98.8	-90.96	-11,265.1	-304.1	839.9	642.3	197.61	4.250		
21,500.0	10,062.6	21,403.8	10,076.3	99.7	99.6	-90.96	-11,365.1	-304.1	839.9	640.6	199.32	4.214		
21,600.0	10,062.1	21,503.8	10,075.9	100.6	100.5	-90.96	-11,465.1	-304.0	839.9	638.9	201.03	4.178		
21,700.0	10,061.6	21,603.8	10,075.5	101.4	101.3	-90.96	-11,565.1	-303.9	839.9	637.2	202.73	4.143		
21,800.0	10,061.2	21,703.8	10,075.0	102.3	102.2	-90.97	-11,665.1	-303.8	839.9	635.5	204.44	4.108		
21,900.0	10,060.7	21,803.8	10,074.6	103.1	103.0	-90.97	-11,765.1	-303.8	839.9	633.8	206.15	4.074		
22,000.0	10,060.3	21,903.8	10,074.2	104.0	103.9	-90.97	-11,865.1	-303.7	839.9	632.1	207.86	4.041		
22,100.0	10,059.8	22,003.8	10,073.7	104.8	104.8	-90.97	-11,965.1	-303.6	839.9	630.4	209.57	4.008		
22,200.0	10,059.3	22,103.8	10,073.3	105.7	105.6	-90.97	-12,065.1	-303.5	839.9	628.7	211.28	3.976		
22,300.0	10,058.9	22,203.8	10,072.9	106.5	106.5	-90.98	-12,165.1	-303.4	839.9	627.0	212.98	3.944		
22,400.0	10,058.4	22,303.8	10,072.5	107.4	107.3	-90.98	-12,265.1	-303.4	839.9	625.2	214.69	3.912		
22,500.0	10,058.0	22,403.8	10,072.0	108.3	108.2	-90.98	-12,365.1	-303.3	839.9	623.5	216.40	3.881		
22,600.0	10,057.5	22,503.8	10,071.6	109.1	109.0	-90.98	-12,465.1	-303.2	839.9	621.8	218.11	3.851		
22,700.0	10,057.0	22,603.8	10,071.2	110.0	109.9	-90.99	-12,565.1	-303.1	839.9	620.1	219.82	3.821		
22,800.0	10,056.6	22,703.8	10,070.7	110.8	110.7	-90.99	-12,665.1	-303.1	839.9	618.4	221.53	3.792		
22,900.0	10,056.1	22,803.8	10,070.3	111.7	111.6	-90.99	-12,765.1	-303.0	839.9	616.7	223.24	3.763		
23,000.0	10,055.6	22,903.8	10,069.9	112.5	112.5	-90.99	-12,865.1	-302.9	840.0	615.0	224.95	3.734		
23,100.0	10,055.2	23,003.8	10,069.5	113.4	113.3	-90.99	-12,965.1	-302.8	840.0	613.3	226.66	3.706		
23,200.0	10,054.7	23,103.8	10,069.0	114.2	114.2	-91.00	-13,065.1	-302.8	840.0	611.6	228.37	3.678		
23,300.0	10,054.3	23,203.8	10,068.6	115.1	115.0	-91.00	-13,165.1	-302.7	840.0	609.9	230.08	3.651		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 #709H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9577-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre		Rule Assigned:		Distance	Between	Minimum	Separation	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
23,400.0	10,053.8	23,303.8	10,068.2	115.9	115.9	-91.00	-13,265.1	-302.6	840.0	608.2	231.79	3.624		
23,500.0	10,053.3	23,403.8	10,067.7	116.8	116.7	-91.00	-13,365.1	-302.5	840.0	606.5	233.50	3.597		
23,600.0	10,052.9	23,503.8	10,067.3	117.6	117.6	-91.01	-13,465.1	-302.5	840.0	604.8	235.21	3.571		
23,700.0	10,052.4	23,603.8	10,066.9	118.5	118.4	-91.01	-13,565.1	-302.4	840.0	603.0	236.92	3.545		
23,800.0	10,051.9	23,703.8	10,066.5	119.4	119.3	-91.01	-13,665.1	-302.3	840.0	601.3	238.63	3.520		
23,900.0	10,051.5	23,803.8	10,066.0	120.2	120.2	-91.01	-13,765.1	-302.2	840.0	599.6	240.34	3.495		
24,000.0	10,051.0	23,903.8	10,065.6	121.1	121.0	-91.02	-13,865.1	-302.2	840.0	597.9	242.05	3.470		
24,100.0	10,050.6	24,003.8	10,065.2	121.9	121.9	-91.02	-13,965.1	-302.1	840.0	596.2	243.76	3.446		
24,200.0	10,050.1	24,103.8	10,064.7	122.8	122.7	-91.02	-14,065.1	-302.0	840.0	594.5	245.47	3.422		
24,300.0	10,049.6	24,203.8	10,064.3	123.6	123.6	-91.02	-14,165.1	-301.9	840.0	592.8	247.18	3.398		
24,400.0	10,049.2	24,303.8	10,063.9	124.5	124.4	-91.02	-14,265.1	-301.8	840.0	591.1	248.89	3.375		
24,500.0	10,048.7	24,403.8	10,063.5	125.3	125.3	-91.03	-14,365.1	-301.8	840.0	589.4	250.61	3.352		
24,600.0	10,048.3	24,503.8	10,063.0	126.2	126.1	-91.03	-14,465.1	-301.7	840.0	587.7	252.32	3.329		
24,700.0	10,047.8	24,603.8	10,062.6	127.1	127.0	-91.03	-14,565.1	-301.6	840.0	586.0	254.03	3.307		
24,800.0	10,047.3	24,703.8	10,062.2	127.9	127.9	-91.03	-14,665.1	-301.5	840.0	584.3	255.74	3.285		
24,900.0	10,046.9	24,803.8	10,061.7	128.8	128.7	-91.04	-14,765.1	-301.5	840.0	582.5	257.45	3.263		
25,000.0	10,046.4	24,903.8	10,061.3	129.6	129.6	-91.04	-14,865.1	-301.4	840.0	580.8	259.16	3.241		
25,100.0	10,045.9	25,003.8	10,060.9	130.5	130.4	-91.04	-14,965.1	-301.3	840.0	579.1	260.87	3.220		
25,200.0	10,045.5	25,103.8	10,060.5	131.3	131.3	-91.04	-15,065.1	-301.2	840.0	577.4	262.58	3.199		
25,300.0	10,045.0	25,203.8	10,060.0	132.2	132.1	-91.04	-15,165.1	-301.2	840.0	575.7	264.30	3.178		
25,400.0	10,044.6	25,303.8	10,059.6	133.0	133.0	-91.05	-15,265.1	-301.1	840.0	574.0	266.01	3.158		
25,500.0	10,044.1	25,403.8	10,059.2	133.9	133.9	-91.05	-15,365.1	-301.0	840.0	572.3	267.72	3.138		
25,600.0	10,043.6	25,503.8	10,058.7	134.8	134.7	-91.05	-15,465.1	-300.9	840.0	570.6	269.43	3.118		
25,700.0	10,043.2	25,603.8	10,058.3	135.6	135.6	-91.05	-15,565.1	-300.9	840.0	568.9	271.14	3.098		
25,738.0	10,043.0	25,641.8	10,058.2	135.9	135.9	-91.05	-15,603.1	-300.8	840.0	568.2	271.79	3.091 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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 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)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
8,200.0	8,073.2	8,134.2	8,105.5	12.1	10.2	-5.50	111.9	-2,216.6	995.4	977.4	17.96	55.427	
8,227.2	8,099.8	8,157.3	8,128.5	12.1	10.3	-5.50	112.4	-2,215.9	988.9	970.9	18.01	54.905	
8,300.0	8,171.2	8,219.3	8,190.6	12.3	10.3	-5.49	113.4	-2,214.4	972.6	954.5	18.16	53.568	
8,400.0	8,269.4	8,305.3	8,276.5	12.5	10.4	-5.52	114.1	-2,213.3	952.7	934.4	18.36	51.901	
8,500.0	8,367.9	8,397.3	8,368.5	12.7	10.5	-5.59	114.2	-2,213.1	935.6	917.1	18.54	50.480	
8,600.0	8,466.8	8,496.1	8,467.4	12.8	10.6	-5.67	114.2	-2,213.1	920.5	901.8	18.71	49.193	
8,700.0	8,565.9	8,595.2	8,566.5	13.0	10.7	-5.74	114.2	-2,213.1	907.0	888.1	18.89	48.024	
8,800.0	8,665.2	8,694.5	8,665.8	13.1	10.9	-5.81	114.2	-2,213.1	895.3	876.2	19.06	46.970	
8,900.0	8,764.6	8,794.0	8,765.2	13.3	11.0	-5.86	114.2	-2,213.1	885.3	866.0	19.23	46.028	
9,000.0	8,864.3	8,893.7	8,864.9	13.4	11.1	-5.91	114.2	-2,213.1	877.0	857.6	19.40	45.195	
9,100.0	8,964.1	8,993.5	8,964.7	13.5	11.2	-5.95	114.2	-2,213.1	870.5	850.9	19.57	44.468	
9,200.0	9,064.0	9,093.3	9,064.6	13.6	11.3	-5.97	114.2	-2,213.1	865.6	845.9	19.74	43.846	
9,300.0	9,163.9	9,193.3	9,164.5	13.6	11.4	-5.99	114.2	-2,213.1	862.6	842.7	19.91	43.326	
9,400.0	9,263.9	9,293.3	9,264.5	13.6	11.5	-6.00	114.2	-2,213.1	861.2	841.2	20.07	42.904	
9,427.2	9,291.1	9,320.5	9,291.7	13.7	11.5	-90.72	114.2	-2,213.1	861.2	841.1	20.11	42.827	
9,500.0	9,363.9	9,393.3	9,364.5	13.7	11.6	-90.72	114.2	-2,213.1	861.2	841.0	20.17	42.689	
9,600.0	9,463.9	9,493.3	9,464.5	13.8	11.7	-90.72	114.2	-2,213.1	861.2	840.9	20.26	42.499	
9,676.1	9,540.0	9,569.9	9,541.2	13.8	11.8	-90.74	113.8	-2,213.1	861.2	840.8	20.33	42.368	
9,698.1	9,562.0	9,592.5	9,563.7	13.8	11.8	91.89	112.5	-2,213.0	861.2	840.8	20.34	42.339 CC	
9,700.0	9,563.9	9,594.4	9,565.6	13.8	11.8	91.89	112.4	-2,213.0	861.2	840.8	20.34	42.336	
9,750.0	9,613.7	9,645.6	9,616.4	13.8	11.8	91.75	106.0	-2,212.9	861.2	840.8	20.37	42.269	
9,800.0	9,662.9	9,696.6	9,666.2	14.7	11.8	91.60	95.3	-2,212.5	861.3	840.9	20.41	42.201	
9,850.0	9,711.2	9,747.3	9,714.6	14.7	11.9	91.44	80.2	-2,212.1	861.5	841.1	20.43	42.162	
9,900.0	9,758.2	9,797.9	9,761.4	14.7	11.9	91.26	60.9	-2,211.5	861.8	841.3	20.47	42.103	
9,950.0	9,803.6	9,848.3	9,806.0	14.7	11.9	91.08	37.7	-2,210.8	862.1	841.6	20.52	42.019	
10,000.0	9,846.9	9,898.5	9,848.4	14.8	11.9	90.89	10.8	-2,209.9	862.5	841.9	20.58	41.904	
10,050.0	9,887.9	9,948.4	9,888.0	14.8	12.0	90.70	-19.6	-2,209.0	863.0	842.3	20.67	41.752	
10,100.0	9,926.3	9,998.2	9,924.7	14.9	12.0	90.50	-53.1	-2,208.0	863.5	842.7	20.78	41.558	
10,150.0	9,961.7	10,047.8	9,958.3	14.9	12.1	90.29	-89.6	-2,206.9	864.1	843.2	20.91	41.317	
10,200.0	9,993.9	10,097.2	9,988.4	15.0	12.2	90.08	-128.7	-2,205.7	864.7	843.6	21.08	41.025	
10,250.0	10,022.6	10,146.4	10,015.0	15.1	12.2	89.88	-170.1	-2,204.4	865.4	844.1	21.27	40.681	
10,300.0	10,047.7	10,195.5	10,037.9	15.1	12.3	89.67	-213.5	-2,203.1	866.2	844.7	21.50	40.287	
10,350.0	10,068.9	10,244.4	10,056.9	15.2	12.4	89.47	-258.5	-2,201.7	866.9	845.2	21.76	39.844	
10,400.0	10,086.1	10,293.1	10,071.9	15.3	12.4	89.27	-304.8	-2,200.3	867.7	845.7	22.05	39.359	
10,450.0	10,099.1	10,341.7	10,083.0	15.3	12.5	89.08	-352.1	-2,198.8	868.5	846.2	22.36	38.839	
10,500.0	10,107.9	10,390.2	10,090.0	15.4	12.6	88.90	-400.0	-2,197.4	869.4	846.7	22.70	38.293	
10,550.0	10,112.4	10,438.5	10,092.9	15.4	12.6	88.72	-448.2	-2,195.9	870.2	847.2	23.07	37.730	
10,578.7	10,113.0	10,466.8	10,092.9	15.4	12.7	88.64	-476.5	-2,195.0	870.7	847.4	23.28	37.397	
10,600.0	10,112.9	10,488.0	10,092.8	15.4	12.7	88.64	-497.7	-2,194.4	871.1	847.6	23.45	37.147	
10,700.0	10,112.4	10,588.0	10,092.3	15.5	12.9	88.64	-597.7	-2,191.3	872.7	848.4	24.31	35.903	
10,800.0	10,111.9	10,688.0	10,091.9	15.6	13.1	88.64	-697.6	-2,188.3	874.4	849.1	25.25	34.623	
10,900.0	10,111.5	10,788.0	10,091.4	15.7	13.5	88.64	-797.5	-2,185.2	876.0	849.7	26.28	33.334	
11,000.0	10,111.0	10,888.0	10,090.9	15.8	13.8	88.65	-897.5	-2,182.2	877.6	850.3	27.37	32.060	
11,100.0	10,110.5	10,988.0	10,090.5	15.9	14.3	88.65	-997.4	-2,179.1	879.3	850.7	28.53	30.817	
11,200.0	10,110.1	11,087.9	10,090.0	16.1	14.8	88.65	-1,097.4	-2,176.1	880.9	851.2	29.74	29.616	
11,300.0	10,109.6	11,187.9	10,089.5	16.4	15.4	88.65	-1,197.3	-2,173.0	882.6	851.6	31.01	28.465	
11,400.0	10,109.2	11,287.9	10,089.1	16.9	16.0	88.65	-1,297.2	-2,169.9	884.2	851.9	32.31	27.367	
11,500.0	10,108.7	11,387.9	10,088.6	17.4	16.6	88.66	-1,397.2	-2,166.9	885.8	852.2	33.65	26.325	
11,600.0	10,108.2	11,487.9	10,088.2	18.0	17.3	88.66	-1,497.1	-2,163.8	887.5	852.5	35.02	25.339	
11,700.0	10,107.8	11,587.9	10,087.7	18.7	18.0	88.66	-1,597.0	-2,160.8	889.1	852.7	36.43	24.407	
11,800.0	10,107.3	11,687.9	10,087.2	19.3	18.7	88.66	-1,697.0	-2,157.7	890.8	852.9	37.86	23.528	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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		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	Warning	
11,900.0	10,106.9	11,787.8	10,086.8	20.0	19.4	88.67	-1,796.9	-2,154.7	892.4	853.1	39.31	22.699		
12,000.0	10,106.4	11,887.8	10,086.3	20.8	20.1	88.67	-1,896.9	-2,151.6	894.0	853.3	40.79	21.919		
12,100.0	10,105.9	11,987.8	10,085.8	21.5	20.9	88.67	-1,996.8	-2,148.6	895.7	853.4	42.28	21.183		
12,200.0	10,105.5	12,087.8	10,085.4	22.2	21.7	88.67	-2,096.7	-2,145.5	897.3	853.5	43.79	20.489		
12,300.0	10,105.0	12,187.8	10,084.9	23.0	22.4	88.68	-2,196.7	-2,142.4	899.0	853.6	45.32	19.836		
12,400.0	10,104.6	12,287.8	10,084.5	23.7	23.2	88.68	-2,296.6	-2,139.4	900.6	853.7	46.86	19.219		
12,500.0	10,104.1	12,387.8	10,084.0	24.5	24.0	88.68	-2,396.6	-2,136.3	902.3	853.8	48.41	18.636		
12,600.0	10,103.6	12,487.7	10,083.5	25.3	24.8	88.68	-2,496.5	-2,133.3	903.9	853.9	49.98	18.086		
12,700.0	10,103.2	12,587.7	10,083.1	26.0	25.6	88.69	-2,596.4	-2,130.2	905.5	854.0	51.55	17.566		
12,800.0	10,102.7	12,687.7	10,082.6	26.8	26.4	88.69	-2,696.4	-2,127.2	907.2	854.0	53.13	17.073		
12,900.0	10,102.3	12,787.7	10,082.1	27.6	27.2	88.69	-2,796.3	-2,124.1	908.8	854.1	54.73	16.607		
13,000.0	10,101.8	12,887.7	10,081.7	28.4	28.0	88.69	-2,896.2	-2,121.1	910.5	854.1	56.33	16.164		
13,100.0	10,101.3	12,987.7	10,081.2	29.2	28.8	88.69	-2,996.2	-2,118.0	912.1	854.2	57.93	15.744		
13,200.0	10,100.9	13,087.7	10,080.8	30.0	29.6	88.70	-3,096.1	-2,114.9	913.7	854.2	59.55	15.345		
13,300.0	10,100.4	13,187.7	10,080.3	30.8	30.4	88.70	-3,196.1	-2,111.9	915.4	854.2	61.17	14.966		
13,400.0	10,099.9	13,287.6	10,079.8	31.6	31.2	88.70	-3,296.0	-2,108.8	917.0	854.2	62.79	14.604		
13,500.0	10,099.5	13,387.6	10,079.4	32.4	32.0	88.70	-3,395.9	-2,105.8	918.7	854.2	64.42	14.260		
13,600.0	10,099.0	13,487.6	10,078.9	33.2	32.9	88.71	-3,495.9	-2,102.7	920.3	854.2	66.06	13.932		
13,700.0	10,098.6	13,587.6	10,078.4	34.0	33.7	88.71	-3,595.8	-2,099.7	921.9	854.2	67.70	13.619		
13,800.0	10,098.1	13,687.6	10,078.0	34.8	34.5	88.71	-3,695.8	-2,096.6	923.6	854.2	69.34	13.320		
13,900.0	10,097.6	13,787.6	10,077.5	35.7	35.3	88.71	-3,795.7	-2,093.5	925.2	854.2	70.99	13.034		
14,000.0	10,097.2	13,887.6	10,077.0	36.5	36.2	88.71	-3,895.6	-2,090.5	926.9	854.2	72.64	12.760		
14,100.0	10,096.7	13,987.5	10,076.6	37.3	37.0	88.72	-3,995.6	-2,087.4	928.5	854.2	74.29	12.498		
14,200.0	10,096.3	14,087.5	10,076.1	38.1	37.8	88.72	-4,095.5	-2,084.4	930.2	854.2	75.95	12.247		
14,300.0	10,095.8	14,187.5	10,075.7	39.0	38.7	88.72	-4,195.5	-2,081.3	931.8	854.2	77.61	12.006		
14,400.0	10,095.3	14,287.5	10,075.2	39.8	39.5	88.72	-4,295.4	-2,078.3	933.4	854.2	79.27	11.775		
14,500.0	10,094.9	14,387.5	10,074.7	40.6	40.3	88.72	-4,395.3	-2,075.2	935.1	854.1	80.94	11.553		
14,600.0	10,094.4	14,487.5	10,074.3	41.4	41.2	88.73	-4,495.3	-2,072.2	936.7	854.1	82.61	11.339		
14,700.0	10,094.0	14,587.5	10,073.8	42.3	42.0	88.73	-4,595.2	-2,069.1	938.4	854.1	84.28	11.134		
14,800.0	10,093.5	14,687.5	10,073.3	43.1	42.8	88.73	-4,695.1	-2,066.0	940.0	854.0	85.95	10.937		
14,900.0	10,093.0	14,787.4	10,072.9	43.9	43.7	88.73	-4,795.1	-2,063.0	941.6	854.0	87.62	10.746		
15,000.0	10,092.6	14,887.4	10,072.4	44.8	44.5	88.74	-4,895.0	-2,059.9	943.3	854.0	89.30	10.563		
15,100.0	10,092.1	14,987.4	10,072.0	45.6	45.4	88.74	-4,995.0	-2,056.9	944.9	853.9	90.98	10.386		
15,200.0	10,091.6	15,087.4	10,071.5	46.5	46.2	88.74	-5,094.9	-2,053.8	946.6	853.9	92.66	10.215		
15,275.4	10,091.3	15,154.6	10,071.2	47.1	46.8	88.74	-5,162.1	-2,051.9	947.9	854.1	93.85	10.101		
15,300.0	10,091.2	15,173.1	10,071.1	47.3	46.9	88.74	-5,180.5	-2,051.5	948.5	854.3	94.20	10.070		
15,400.0	10,090.7	15,251.3	10,070.7	48.1	47.6	88.76	-5,258.7	-2,051.4	950.4	854.8	95.62	9.939		
15,433.7	10,090.6	15,285.0	10,070.6	48.4	47.9	88.76	-5,292.5	-2,051.6	950.5	854.4	96.18	9.883		
15,500.0	10,090.3	15,351.3	10,070.3	49.0	48.4	88.76	-5,358.7	-2,052.1	950.5	853.2	97.29	9.769		
15,600.0	10,089.8	15,451.3	10,069.8	49.8	49.3	88.76	-5,458.7	-2,052.9	950.4	851.4	98.97	9.603		
15,700.0	10,089.3	15,551.2	10,069.3	50.6	50.1	88.76	-5,558.7	-2,053.6	950.3	849.7	100.64	9.443		
15,800.0	10,088.9	15,651.2	10,068.9	51.5	50.9	88.76	-5,658.7	-2,054.4	950.3	847.9	102.32	9.287		
15,900.0	10,088.4	15,751.2	10,068.4	52.3	51.8	88.76	-5,758.7	-2,055.1	950.2	846.2	104.00	9.136		
16,000.0	10,088.0	15,851.2	10,068.0	53.1	52.6	88.76	-5,858.7	-2,055.9	950.1	844.4	105.68	8.990		
16,100.0	10,087.5	15,951.2	10,067.5	54.0	53.5	88.76	-5,958.7	-2,056.6	950.0	842.7	107.36	8.849		
16,200.0	10,087.0	16,051.2	10,067.0	54.8	54.3	88.76	-6,058.7	-2,057.4	949.9	840.9	109.05	8.711		
16,300.0	10,086.6	16,151.2	10,066.6	55.7	55.2	88.76	-6,158.7	-2,058.1	949.9	839.1	110.73	8.578		
16,400.0	10,086.1	16,251.2	10,066.1	56.5	56.0	88.76	-6,258.7	-2,058.9	949.8	837.4	112.41	8.449		
16,500.0	10,085.6	16,351.2	10,065.6	57.3	56.8	88.76	-6,358.7	-2,059.6	949.7	835.6	114.10	8.324		
16,600.0	10,085.2	16,451.2	10,065.2	58.2	57.7	88.76	-6,458.7	-2,060.4	949.6	833.8	115.78	8.202		
16,700.0	10,084.7	16,551.2	10,064.7	59.0	58.5	88.76	-6,558.7	-2,061.1	949.5	832.1	117.47	8.083		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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 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)					
16,800.0	10,084.3	16,651.2	10,064.2	59.9	59.4	88.76		-6,658.7	-2,061.9	949.5	830.3	119.16	7.968	
16,900.0	10,083.8	16,751.2	10,063.8	60.7	60.2	88.76		-6,758.7	-2,062.6	949.4	828.5	120.85	7.856	
17,000.0	10,083.3	16,851.2	10,063.3	61.5	61.1	88.75		-6,858.7	-2,063.4	949.3	826.8	122.54	7.747	
17,100.0	10,082.9	16,951.2	10,062.8	62.4	61.9	88.75		-6,958.7	-2,064.1	949.2	825.0	124.23	7.641	
17,200.0	10,082.4	17,051.2	10,062.4	63.2	62.8	88.75		-7,058.6	-2,064.9	949.1	823.2	125.92	7.538	
17,300.0	10,082.0	17,151.2	10,061.9	64.1	63.6	88.75		-7,158.6	-2,065.6	949.1	821.5	127.61	7.437	
17,400.0	10,081.5	17,251.2	10,061.5	64.9	64.5	88.75		-7,258.6	-2,066.4	949.0	819.7	129.30	7.339	
17,500.0	10,081.0	17,351.2	10,061.0	65.8	65.3	88.75		-7,358.6	-2,067.1	948.9	817.9	131.00	7.244	
17,600.0	10,080.6	17,451.2	10,060.5	66.6	66.2	88.75		-7,458.6	-2,067.9	948.8	816.1	132.69	7.151	
17,700.0	10,080.1	17,551.2	10,060.1	67.4	67.0	88.75		-7,558.6	-2,068.6	948.7	814.4	134.38	7.060	
17,800.0	10,079.6	17,651.2	10,059.6	68.3	67.9	88.75		-7,658.6	-2,069.4	948.7	812.6	136.08	6.972	
17,900.0	10,079.2	17,751.2	10,059.1	69.1	68.7	88.75		-7,758.6	-2,070.1	948.6	810.8	137.77	6.885	
18,000.0	10,078.7	17,851.2	10,058.7	70.0	69.6	88.75		-7,858.6	-2,070.9	948.5	809.0	139.47	6.801	
18,100.0	10,078.3	17,951.2	10,058.2	70.8	70.4	88.75		-7,958.6	-2,071.6	948.4	807.3	141.16	6.719	
18,200.0	10,077.8	18,051.2	10,057.7	71.7	71.3	88.75		-8,058.6	-2,072.4	948.4	805.5	142.86	6.638	
18,300.0	10,077.3	18,151.2	10,057.3	72.5	72.1	88.75		-8,158.6	-2,073.1	948.3	803.7	144.56	6.560	
18,400.0	10,076.9	18,251.2	10,056.8	73.4	73.0	88.75		-8,258.6	-2,073.9	948.2	801.9	146.25	6.483	
18,500.0	10,076.4	18,351.2	10,056.3	74.2	73.8	88.75		-8,358.6	-2,074.6	948.1	800.2	147.95	6.408	
18,600.0	10,076.0	18,451.2	10,055.9	75.1	74.7	88.75		-8,458.6	-2,075.4	948.0	798.4	149.65	6.335	
18,700.0	10,075.5	18,551.2	10,055.4	75.9	75.5	88.75		-8,558.6	-2,076.1	948.0	796.6	151.35	6.263	
18,800.0	10,075.0	18,651.2	10,055.0	76.8	76.4	88.75		-8,658.6	-2,076.9	947.9	794.8	153.05	6.193	
18,900.0	10,074.6	18,751.2	10,054.5	77.6	77.2	88.75		-8,758.6	-2,077.6	947.8	793.1	154.75	6.125	
19,000.0	10,074.1	18,851.2	10,054.0	78.5	78.1	88.75		-8,858.6	-2,078.4	947.7	791.3	156.45	6.058	
19,100.0	10,073.6	18,951.2	10,053.6	79.3	78.9	88.75		-8,958.6	-2,079.1	947.6	789.5	158.15	5.992	
19,200.0	10,073.2	19,051.2	10,053.1	80.1	79.8	88.75		-9,058.6	-2,079.9	947.6	787.7	159.85	5.928	
19,300.0	10,072.7	19,151.2	10,052.6	81.0	80.6	88.75		-9,158.6	-2,080.6	947.5	785.9	161.55	5.865	
19,400.0	10,072.3	19,251.2	10,052.2	81.8	81.5	88.75		-9,258.6	-2,081.4	947.4	784.2	163.25	5.803	
19,500.0	10,071.8	19,351.2	10,051.7	82.7	82.3	88.75		-9,358.6	-2,082.1	947.3	782.4	164.95	5.743	
19,600.0	10,071.3	19,451.2	10,051.2	83.5	83.2	88.75		-9,458.6	-2,082.9	947.2	780.6	166.65	5.684	
19,700.0	10,070.9	19,551.2	10,050.8	84.4	84.0	88.75		-9,558.6	-2,083.6	947.2	778.8	168.35	5.626	
19,800.0	10,070.4	19,651.2	10,050.3	85.2	84.9	88.75		-9,658.6	-2,084.4	947.1	777.0	170.06	5.569	
19,900.0	10,070.0	19,751.2	10,049.8	86.1	85.7	88.75		-9,758.5	-2,085.1	947.0	775.3	171.76	5.514	
20,000.0	10,069.5	19,851.2	10,049.4	86.9	86.6	88.75		-9,858.5	-2,085.9	946.9	773.5	173.46	5.459	
20,100.0	10,069.0	19,951.2	10,048.9	87.8	87.4	88.75		-9,958.5	-2,086.6	946.9	771.7	175.16	5.405	
20,200.0	10,068.6	20,051.2	10,048.5	88.6	88.3	88.75		-10,058.5	-2,087.4	946.8	769.9	176.87	5.353	
20,300.0	10,068.1	20,151.2	10,048.0	89.5	89.1	88.75		-10,158.5	-2,088.1	946.7	768.1	178.57	5.301	
20,400.0	10,067.6	20,251.2	10,047.5	90.3	90.0	88.75		-10,258.5	-2,088.9	946.6	766.3	180.27	5.251	
20,500.0	10,067.2	20,351.2	10,047.1	91.2	90.8	88.75		-10,358.5	-2,089.6	946.5	764.6	181.98	5.201	
20,600.0	10,066.7	20,451.2	10,046.6	92.0	91.7	88.75		-10,458.5	-2,090.4	946.5	762.8	183.68	5.153	
20,623.7	10,066.6	20,474.2	10,046.5	92.2	91.9	88.75		-10,481.5	-2,090.5	946.4	762.4	184.08	5.142	
20,627.0	10,066.6	20,476.8	10,046.5	92.3	91.9	88.75		-10,484.1	-2,090.6	946.4	762.3	184.12	5.140	
20,652.9	10,066.5	20,502.5	10,046.4	92.5	92.1	88.74		-10,509.8	-2,090.8	946.6	762.0	184.56	5.129	
20,700.0	10,066.3	20,549.6	10,046.1	92.9	92.5	88.74		-10,556.9	-2,091.2	947.0	761.7	185.37	5.109	
20,800.0	10,065.8	20,649.6	10,045.7	93.7	93.4	88.74		-10,656.9	-2,092.2	948.0	761.0	187.07	5.068	
20,900.0	10,065.3	20,749.6	10,045.2	94.6	94.2	88.75		-10,756.9	-2,093.1	949.0	760.3	188.78	5.027	
21,000.0	10,064.9	20,849.6	10,044.8	95.5	95.1	88.75		-10,856.9	-2,094.0	950.0	759.6	190.48	4.988	
21,100.0	10,064.4	20,949.6	10,044.3	96.3	95.9	88.75		-10,956.8	-2,094.9	951.0	758.8	192.19	4.948	
21,200.0	10,064.0	21,049.6	10,043.8	97.2	96.8	88.75		-11,056.8	-2,095.8	952.0	758.1	193.89	4.910	
21,300.0	10,063.5	21,149.6	10,043.4	98.0	97.7	88.75		-11,156.8	-2,096.8	953.0	757.4	195.60	4.872	
21,400.0	10,063.0	21,249.6	10,042.9	98.9	98.5	88.75		-11,256.8	-2,097.7	954.0	756.7	197.31	4.835	
21,500.0	10,062.6	21,349.6	10,042.4	99.7	99.4	88.75		-11,356.8	-2,098.6	955.0	756.0	199.01	4.799	

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Distance	Between	Minimum	Separation	Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Ellipses (usft)	Separation (usft)	Factor		
21,600.0	10,062.1	21,449.6	10,042.0	100.6	100.2	88.75	-11,456.8	-2,099.5	956.0	755.3	200.72	4.763		
21,700.0	10,061.6	21,549.6	10,041.5	101.4	101.1	88.76	-11,556.8	-2,100.4	957.0	754.6	202.43	4.728		
21,800.0	10,061.2	21,649.6	10,041.1	102.3	101.9	88.76	-11,656.8	-2,101.4	958.0	753.9	204.13	4.693		
21,900.0	10,060.7	21,749.6	10,040.6	103.1	102.8	88.76	-11,756.8	-2,102.3	959.0	753.2	205.84	4.659		
22,000.0	10,060.3	21,849.6	10,040.1	104.0	103.6	88.76	-11,856.8	-2,103.2	960.0	752.4	207.55	4.625		
22,100.0	10,059.8	21,949.6	10,039.7	104.8	104.5	88.76	-11,956.7	-2,104.1	961.0	751.7	209.26	4.592		
22,200.0	10,059.3	22,049.6	10,039.2	105.7	105.3	88.76	-12,056.7	-2,105.0	962.0	751.0	210.96	4.560		
22,300.0	10,058.9	22,149.6	10,038.7	106.5	106.2	88.76	-12,156.7	-2,106.0	963.0	750.3	212.67	4.528		
22,400.0	10,058.4	22,249.5	10,038.3	107.4	107.0	88.76	-12,256.7	-2,106.9	964.0	749.6	214.38	4.497		
22,500.0	10,058.0	22,349.5	10,037.8	108.3	107.9	88.77	-12,356.7	-2,107.8	965.0	748.9	216.09	4.466		
22,600.0	10,057.5	22,449.5	10,037.4	109.1	108.8	88.77	-12,456.7	-2,108.7	966.0	748.2	217.80	4.435		
22,700.0	10,057.0	22,549.5	10,036.9	110.0	109.6	88.77	-12,556.7	-2,109.7	967.0	747.4	219.50	4.405		
22,800.0	10,056.6	22,649.5	10,036.4	110.8	110.5	88.77	-12,656.7	-2,110.6	967.9	746.7	221.21	4.376		
22,900.0	10,056.1	22,749.5	10,036.0	111.7	111.3	88.77	-12,756.7	-2,111.5	968.9	746.0	222.92	4.347		
23,000.0	10,055.6	22,849.5	10,035.5	112.5	112.2	88.77	-12,856.7	-2,112.4	969.9	745.3	224.63	4.318		
23,100.0	10,055.2	22,949.5	10,035.0	113.4	113.0	88.77	-12,956.6	-2,113.3	970.9	744.6	226.34	4.290		
23,200.0	10,054.7	23,049.5	10,034.6	114.2	113.9	88.77	-13,056.6	-2,114.3	971.9	743.9	228.05	4.262		
23,300.0	10,054.3	23,149.5	10,034.1	115.1	114.7	88.78	-13,156.6	-2,115.2	972.9	743.2	229.76	4.235		
23,400.0	10,053.8	23,249.5	10,033.7	115.9	115.6	88.78	-13,256.6	-2,116.1	973.9	742.5	231.46	4.208		
23,500.0	10,053.3	23,349.5	10,033.2	116.8	116.4	88.78	-13,356.6	-2,117.0	974.9	741.7	233.17	4.181		
23,600.0	10,052.9	23,449.5	10,032.7	117.6	117.3	88.78	-13,456.6	-2,117.9	975.9	741.0	234.88	4.155		
23,700.0	10,052.4	23,549.5	10,032.3	118.5	118.2	88.78	-13,556.6	-2,118.9	976.9	740.3	236.59	4.129		
23,800.0	10,051.9	23,649.5	10,031.8	119.4	119.0	88.78	-13,656.6	-2,119.8	977.9	739.6	238.30	4.104		
23,900.0	10,051.5	23,749.5	10,031.3	120.2	119.9	88.78	-13,756.6	-2,120.7	978.9	738.9	240.01	4.079		
24,000.0	10,051.0	23,849.5	10,030.9	121.1	120.7	88.78	-13,856.6	-2,121.6	979.9	738.2	241.72	4.054		
24,100.0	10,050.6	23,949.5	10,030.4	121.9	121.6	88.79	-13,956.5	-2,122.5	980.9	737.5	243.43	4.029		
24,200.0	10,050.1	24,049.5	10,029.9	122.8	122.4	88.79	-14,056.5	-2,123.5	981.9	736.7	245.14	4.005		
24,300.0	10,049.6	24,149.5	10,029.5	123.6	123.3	88.79	-14,156.5	-2,124.4	982.9	736.0	246.85	3.982		
24,400.0	10,049.2	24,249.4	10,029.0	124.5	124.1	88.79	-14,256.5	-2,125.3	983.9	735.3	248.56	3.958		
24,500.0	10,048.7	24,349.4	10,028.6	125.3	125.0	88.79	-14,356.5	-2,126.2	984.9	734.6	250.27	3.935		
24,600.0	10,048.3	24,449.4	10,028.1	126.2	125.8	88.79	-14,456.5	-2,127.1	985.9	733.9	251.98	3.912		
24,700.0	10,047.8	24,549.4	10,027.6	127.1	126.7	88.79	-14,556.5	-2,128.1	986.9	733.2	253.69	3.890		
24,800.0	10,047.3	24,649.4	10,027.2	127.9	127.6	88.79	-14,656.5	-2,129.0	987.9	732.4	255.40	3.868		
24,900.0	10,046.9	24,749.4	10,026.7	128.8	128.4	88.79	-14,756.5	-2,129.9	988.8	731.7	257.11	3.846		
25,000.0	10,046.4	24,849.4	10,026.2	129.6	129.3	88.80	-14,856.4	-2,130.8	989.8	731.0	258.82	3.824		
25,100.0	10,045.9	24,949.4	10,025.8	130.5	130.1	88.80	-14,956.4	-2,131.8	990.8	730.3	260.53	3.803		
25,200.0	10,045.5	25,049.4	10,025.3	131.3	131.0	88.80	-15,056.4	-2,132.7	991.8	729.6	262.25	3.782		
25,300.0	10,045.0	25,149.4	10,024.9	132.2	131.8	88.80	-15,156.4	-2,133.6	992.8	728.9	263.96	3.761		
25,400.0	10,044.6	25,249.4	10,024.4	133.0	132.7	88.80	-15,256.4	-2,134.5	993.8	728.2	265.67	3.741		
25,500.0	10,044.1	25,349.4	10,023.9	133.9	133.5	88.80	-15,356.4	-2,135.4	994.8	727.4	267.38	3.721		
25,600.0	10,043.6	25,449.4	10,023.5	134.8	134.4	88.80	-15,456.4	-2,136.4	995.8	726.7	269.09	3.701		
25,700.0	10,043.2	25,549.4	10,023.0	135.6	135.3	88.80	-15,556.4	-2,137.3	996.8	726.0	270.80	3.681 ES, SF		
25,738.0	10,043.0	25,552.1	10,023.0	135.9	135.3	88.80	-15,559.1	-2,137.3	997.8	727.0	270.82	3.684		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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' @ 3002.8usft (P84)

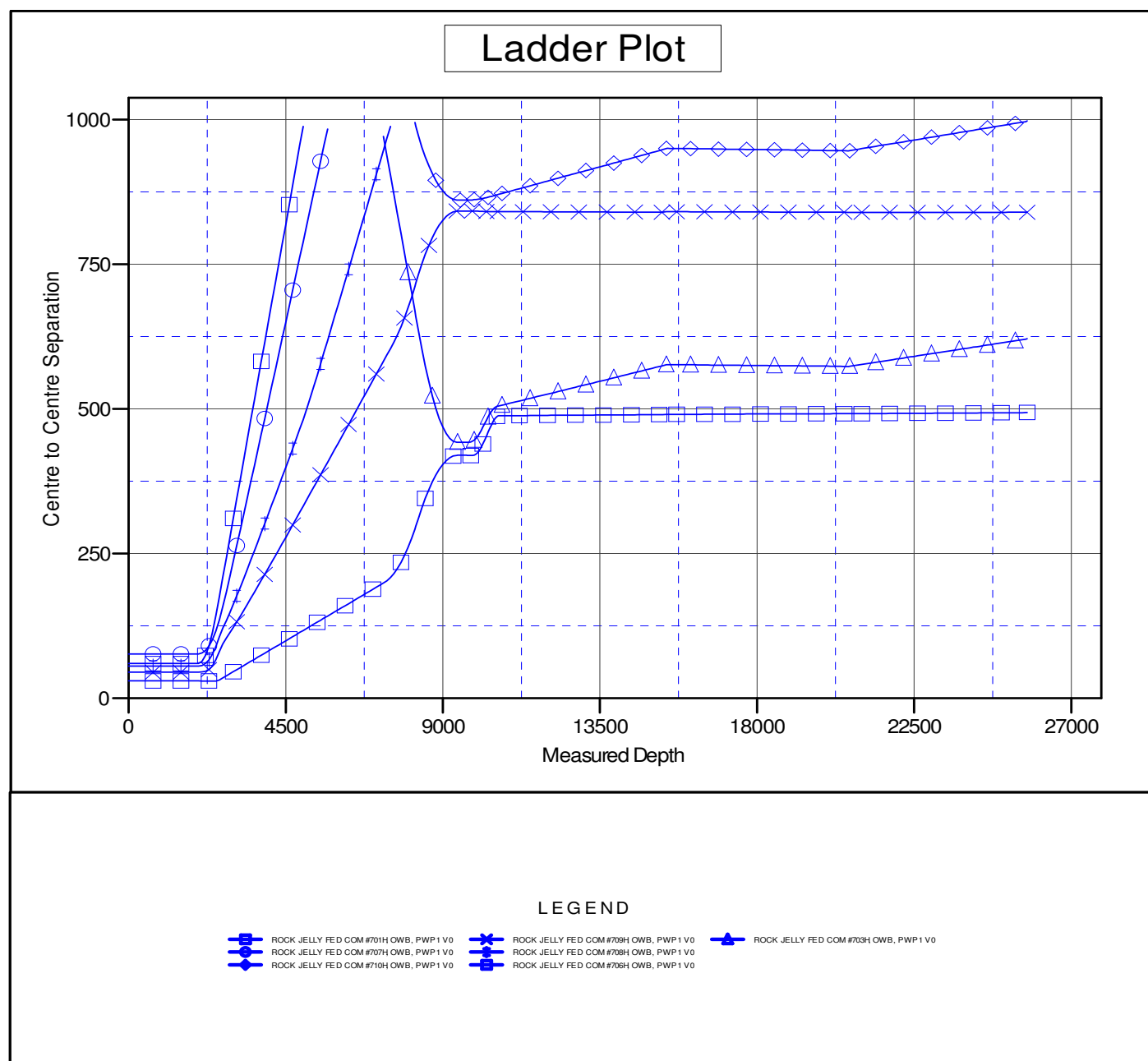
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #702H

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	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' @ 3002.8usft (P84)

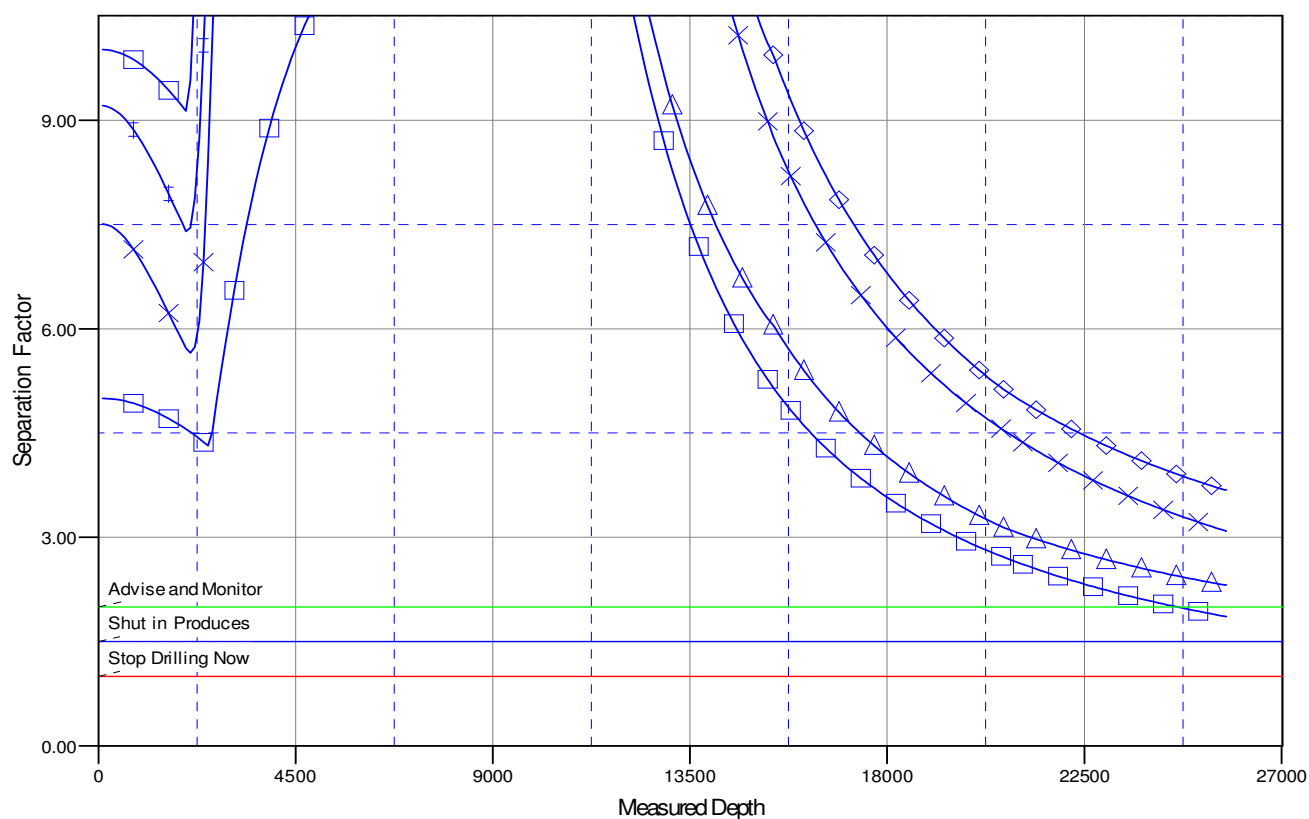
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #702H

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 #701H OWB, PWP1 V0
- ROCK JELLY FED COM #701H OWB, PWP1 V0
- ROCK JELLY FED COM #701H OWB, PWP1 V0
- ROCK JELLY FED COM #709H OWB, PWP1 V0
- ROCK JELLY FED COM #709H OWB, PWP1 V0
- ROCK JELLY FED COM #703H OWB, PWP1 V0
- ROCK JELLY FED COM #706H OWB, PWP1 V0

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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #702H

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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 #702H					
Well Position	+N-S	0.0 usft	Northing:	392,391.50 usft	Latitude:	32° 4' 41.769 N
	+E-W	0.0 usft	Easting:	613,585.90 usft	Longitude:	103° 57' 59.797 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	2,977.8 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	12/13/2021	6.65	59.69	47,530.86351355

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	184.18	

Survey Tool Program	Date	1/11/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,759.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,759.0	25,738.0	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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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	275.28	2,100.0	0.2	-1.7	0.0	2.00	2.00	0.00
2,200.0	4.00	275.28	2,199.8	0.6	-6.9	-0.1	2.00	2.00	0.00
2,300.0	6.00	275.28	2,299.5	1.4	-15.6	-0.3	2.00	2.00	0.00
2,400.0	8.00	275.28	2,398.7	2.6	-27.8	-0.5	2.00	2.00	0.00
2,500.0	10.00	275.28	2,497.5	4.0	-43.3	-0.8	2.00	2.00	0.00
2,600.0	12.00	275.28	2,595.6	5.8	-62.3	-1.2	2.00	2.00	0.00
Start 5627.2 hold at 2600.0 MD									
2,700.0	12.00	275.28	2,693.4	7.7	-83.0	-1.6	0.00	0.00	0.00
2,800.0	12.00	275.28	2,791.3	9.6	-103.7	-2.0	0.00	0.00	0.00
2,900.0	12.00	275.28	2,889.1	11.5	-124.4	-2.4	0.00	0.00	0.00
3,000.0	12.00	275.28	2,986.9	13.4	-145.1	-2.8	0.00	0.00	0.00
3,100.0	12.00	275.28	3,084.7	15.3	-165.9	-3.2	0.00	0.00	0.00
3,200.0	12.00	275.28	3,182.5	17.2	-186.6	-3.6	0.00	0.00	0.00
3,300.0	12.00	275.28	3,280.3	19.2	-207.3	-4.0	0.00	0.00	0.00
3,400.0	12.00	275.28	3,378.1	21.1	-228.0	-4.4	0.00	0.00	0.00
3,500.0	12.00	275.28	3,476.0	23.0	-248.7	-4.8	0.00	0.00	0.00
3,600.0	12.00	275.28	3,573.8	24.9	-269.4	-5.2	0.00	0.00	0.00
3,700.0	12.00	275.28	3,671.6	26.8	-290.1	-5.6	0.00	0.00	0.00
3,800.0	12.00	275.28	3,769.4	28.7	-310.8	-6.0	0.00	0.00	0.00
3,900.0	12.00	275.28	3,867.2	30.6	-331.5	-6.4	0.00	0.00	0.00
4,000.0	12.00	275.28	3,965.0	32.6	-352.2	-6.8	0.00	0.00	0.00
4,100.0	12.00	275.28	4,062.8	34.5	-372.9	-7.2	0.00	0.00	0.00
4,200.0	12.00	275.28	4,160.7	36.4	-393.6	-7.6	0.00	0.00	0.00
4,300.0	12.00	275.28	4,258.5	38.3	-414.3	-8.0	0.00	0.00	0.00
4,400.0	12.00	275.28	4,356.3	40.2	-435.0	-8.4	0.00	0.00	0.00
4,500.0	12.00	275.28	4,454.1	42.1	-455.7	-8.8	0.00	0.00	0.00
4,600.0	12.00	275.28	4,551.9	44.0	-476.4	-9.2	0.00	0.00	0.00
4,700.0	12.00	275.28	4,649.7	46.0	-497.1	-9.6	0.00	0.00	0.00
4,800.0	12.00	275.28	4,747.5	47.9	-517.8	-10.0	0.00	0.00	0.00
4,900.0	12.00	275.28	4,845.4	49.8	-538.5	-10.4	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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	12.00	275.28	4,943.2	51.7	-559.2	-10.8	0.00	0.00	0.00
5,100.0	12.00	275.28	5,041.0	53.6	-579.9	-11.2	0.00	0.00	0.00
5,200.0	12.00	275.28	5,138.8	55.5	-600.6	-11.6	0.00	0.00	0.00
5,300.0	12.00	275.28	5,236.6	57.4	-621.3	-12.0	0.00	0.00	0.00
5,400.0	12.00	275.28	5,334.4	59.4	-642.0	-12.4	0.00	0.00	0.00
5,500.0	12.00	275.28	5,432.3	61.3	-662.7	-12.8	0.00	0.00	0.00
5,600.0	12.00	275.28	5,530.1	63.2	-683.4	-13.2	0.00	0.00	0.00
5,700.0	12.00	275.28	5,627.9	65.1	-704.1	-13.6	0.00	0.00	0.00
5,800.0	12.00	275.28	5,725.7	67.0	-724.8	-14.0	0.00	0.00	0.00
5,900.0	12.00	275.28	5,823.5	68.9	-745.5	-14.4	0.00	0.00	0.00
6,000.0	12.00	275.28	5,921.3	70.8	-766.2	-14.8	0.00	0.00	0.00
6,100.0	12.00	275.28	6,019.1	72.8	-786.9	-15.2	0.00	0.00	0.00
6,200.0	12.00	275.28	6,117.0	74.7	-807.6	-15.6	0.00	0.00	0.00
6,300.0	12.00	275.28	6,214.8	76.6	-828.3	-16.0	0.00	0.00	0.00
6,400.0	12.00	275.28	6,312.6	78.5	-849.0	-16.4	0.00	0.00	0.00
6,500.0	12.00	275.28	6,410.4	80.4	-869.7	-16.8	0.00	0.00	0.00
6,600.0	12.00	275.28	6,508.2	82.3	-890.5	-17.2	0.00	0.00	0.00
6,700.0	12.00	275.28	6,606.0	84.2	-911.2	-17.6	0.00	0.00	0.00
6,800.0	12.00	275.28	6,703.8	86.2	-931.9	-18.0	0.00	0.00	0.00
6,900.0	12.00	275.28	6,801.7	88.1	-952.6	-18.4	0.00	0.00	0.00
7,000.0	12.00	275.28	6,899.5	90.0	-973.3	-18.8	0.00	0.00	0.00
7,100.0	12.00	275.28	6,997.3	91.9	-994.0	-19.2	0.00	0.00	0.00
7,200.0	12.00	275.28	7,095.1	93.8	-1,014.7	-19.6	0.00	0.00	0.00
7,300.0	12.00	275.28	7,192.9	95.7	-1,035.4	-20.0	0.00	0.00	0.00
7,400.0	12.00	275.28	7,290.7	97.6	-1,056.1	-20.4	0.00	0.00	0.00
7,500.0	12.00	275.28	7,388.5	99.6	-1,076.8	-20.8	0.00	0.00	0.00
7,600.0	12.00	275.28	7,486.4	101.5	-1,097.5	-21.2	0.00	0.00	0.00
7,700.0	12.00	275.28	7,584.2	103.4	-1,118.2	-21.6	0.00	0.00	0.00
7,800.0	12.00	275.28	7,682.0	105.3	-1,138.9	-22.0	0.00	0.00	0.00
7,900.0	12.00	275.28	7,779.8	107.2	-1,159.6	-22.4	0.00	0.00	0.00
8,000.0	12.00	275.28	7,877.6	109.1	-1,180.3	-22.8	0.00	0.00	0.00
8,100.0	12.00	275.28	7,975.4	111.0	-1,201.0	-23.2	0.00	0.00	0.00
8,200.0	12.00	275.28	8,073.2	113.0	-1,221.7	-23.6	0.00	0.00	0.00
8,227.2	12.00	275.28	8,099.8	113.5	-1,227.3	-23.7	0.00	0.00	0.00
Start Drop -1.00									
8,300.0	11.27	275.28	8,171.2	114.8	-1,241.9	-24.0	1.00	-1.00	0.00
8,400.0	10.27	275.28	8,269.4	116.5	-1,260.6	-24.3	1.00	-1.00	0.00
8,500.0	9.27	275.28	8,367.9	118.1	-1,277.5	-24.7	1.00	-1.00	0.00
8,600.0	8.27	275.28	8,466.8	119.5	-1,292.6	-24.9	1.00	-1.00	0.00
8,700.0	7.27	275.28	8,565.9	120.8	-1,306.1	-25.2	1.00	-1.00	0.00
8,800.0	6.27	275.28	8,665.2	121.8	-1,317.9	-25.4	1.00	-1.00	0.00
8,900.0	5.27	275.28	8,764.6	122.8	-1,327.9	-25.6	1.00	-1.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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)
9,000.0	4.27	275.28	8,864.3	123.5	-1,336.1	-25.8	1.00	-1.00	0.00
9,100.0	3.27	275.28	8,964.1	124.1	-1,342.7	-25.9	1.00	-1.00	0.00
9,200.0	2.27	275.28	9,064.0	124.6	-1,347.5	-26.0	1.00	-1.00	0.00
9,300.0	1.27	275.28	9,163.9	124.9	-1,350.6	-26.1	1.00	-1.00	0.00
9,400.0	0.27	275.28	9,263.9	125.0	-1,351.9	-26.1	1.00	-1.00	0.00
9,427.2	0.00	0.00	9,291.1	125.0	-1,352.0	-26.1	1.00	-1.00	0.00
Start 248.9 hold at 9427.2 MD									
9,500.0	0.00	0.00	9,363.9	125.0	-1,352.0	-26.1	0.00	0.00	0.00
9,600.0	0.00	0.00	9,463.9	125.0	-1,352.0	-26.1	0.00	0.00	0.00
9,676.1	0.00	0.00	9,540.0	125.0	-1,352.0	-26.1	0.00	0.00	0.00
Start DLS 10.00 TFO 177.31									
9,700.0	2.39	177.31	9,563.9	124.5	-1,352.0	-25.6	10.00	10.00	0.00
9,800.0	12.39	177.31	9,662.9	111.7	-1,351.4	-12.8	10.00	10.00	0.00
9,900.0	22.39	177.31	9,758.2	81.9	-1,350.0	16.8	10.00	10.00	0.00
10,000.0	32.39	177.31	9,846.9	36.0	-1,347.8	62.4	10.00	10.00	0.00
10,100.0	42.39	177.31	9,926.3	-24.6	-1,345.0	122.6	10.00	10.00	0.00
10,200.0	52.39	177.31	9,993.9	-98.0	-1,341.5	195.6	10.00	10.00	0.00
10,300.0	62.39	177.31	10,047.7	-182.1	-1,337.6	279.1	10.00	10.00	0.00
10,400.0	72.39	177.31	10,086.1	-274.2	-1,333.2	370.7	10.00	10.00	0.00
10,500.0	82.39	177.31	10,107.9	-371.5	-1,328.7	467.4	10.00	10.00	0.00
10,578.7	90.26	177.31	10,113.0	-450.0	-1,325.0	545.4	10.00	10.00	0.00
Start 4696.7 hold at 10578.7 MD									
10,600.0	90.26	177.31	10,112.9	-471.2	-1,324.0	566.5	0.00	0.00	0.00
10,700.0	90.26	177.31	10,112.4	-571.1	-1,319.3	665.8	0.00	0.00	0.00
10,800.0	90.26	177.31	10,111.9	-671.0	-1,314.6	765.0	0.00	0.00	0.00
10,900.0	90.26	177.31	10,111.5	-770.9	-1,309.9	864.3	0.00	0.00	0.00
11,000.0	90.26	177.31	10,111.0	-870.8	-1,305.2	963.6	0.00	0.00	0.00
11,100.0	90.26	177.31	10,110.5	-970.6	-1,300.5	1,062.9	0.00	0.00	0.00
11,200.0	90.26	177.31	10,110.1	-1,070.5	-1,295.8	1,162.2	0.00	0.00	0.00
11,300.0	90.26	177.31	10,109.6	-1,170.4	-1,291.1	1,261.4	0.00	0.00	0.00
11,400.0	90.26	177.31	10,109.2	-1,270.3	-1,286.4	1,360.7	0.00	0.00	0.00
11,500.0	90.26	177.31	10,108.7	-1,370.2	-1,281.7	1,460.0	0.00	0.00	0.00
11,600.0	90.26	177.31	10,108.2	-1,470.1	-1,277.0	1,559.3	0.00	0.00	0.00
11,700.0	90.26	177.31	10,107.8	-1,570.0	-1,272.3	1,658.6	0.00	0.00	0.00
11,800.0	90.26	177.31	10,107.3	-1,669.9	-1,267.6	1,757.8	0.00	0.00	0.00
11,900.0	90.26	177.31	10,106.9	-1,769.8	-1,262.9	1,857.1	0.00	0.00	0.00
12,000.0	90.26	177.31	10,106.4	-1,869.6	-1,258.2	1,956.4	0.00	0.00	0.00
12,100.0	90.26	177.31	10,105.9	-1,969.5	-1,253.5	2,055.7	0.00	0.00	0.00
12,200.0	90.26	177.31	10,105.5	-2,069.4	-1,248.8	2,155.0	0.00	0.00	0.00
12,300.0	90.26	177.31	10,105.0	-2,169.3	-1,244.1	2,254.2	0.00	0.00	0.00
12,400.0	90.26	177.31	10,104.6	-2,269.2	-1,239.4	2,353.5	0.00	0.00	0.00
12,500.0	90.26	177.31	10,104.1	-2,369.1	-1,234.7	2,452.8	0.00	0.00	0.00
12,600.0	90.26	177.31	10,103.6	-2,469.0	-1,230.0	2,552.1	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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	90.26	177.31	10,103.2	-2,568.9	-1,225.3	2,651.4	0.00	0.00	0.00
12,800.0	90.26	177.31	10,102.7	-2,668.7	-1,220.6	2,750.6	0.00	0.00	0.00
12,900.0	90.26	177.31	10,102.3	-2,768.6	-1,215.9	2,849.9	0.00	0.00	0.00
13,000.0	90.26	177.31	10,101.8	-2,868.5	-1,211.3	2,949.2	0.00	0.00	0.00
13,100.0	90.26	177.31	10,101.3	-2,968.4	-1,206.6	3,048.5	0.00	0.00	0.00
13,200.0	90.26	177.31	10,100.9	-3,068.3	-1,201.9	3,147.8	0.00	0.00	0.00
13,300.0	90.26	177.31	10,100.4	-3,168.2	-1,197.2	3,247.0	0.00	0.00	0.00
13,400.0	90.26	177.31	10,099.9	-3,268.1	-1,192.5	3,346.3	0.00	0.00	0.00
13,500.0	90.26	177.31	10,099.5	-3,368.0	-1,187.8	3,445.6	0.00	0.00	0.00
13,600.0	90.26	177.31	10,099.0	-3,467.9	-1,183.1	3,544.9	0.00	0.00	0.00
13,700.0	90.26	177.31	10,098.6	-3,567.7	-1,178.4	3,644.2	0.00	0.00	0.00
13,800.0	90.26	177.31	10,098.1	-3,667.6	-1,173.7	3,743.4	0.00	0.00	0.00
13,900.0	90.26	177.31	10,097.6	-3,767.5	-1,169.0	3,842.7	0.00	0.00	0.00
14,000.0	90.26	177.31	10,097.2	-3,867.4	-1,164.3	3,942.0	0.00	0.00	0.00
14,100.0	90.26	177.31	10,096.7	-3,967.3	-1,159.6	4,041.3	0.00	0.00	0.00
14,200.0	90.26	177.31	10,096.3	-4,067.2	-1,154.9	4,140.6	0.00	0.00	0.00
14,300.0	90.26	177.31	10,095.8	-4,167.1	-1,150.2	4,239.8	0.00	0.00	0.00
14,400.0	90.26	177.31	10,095.3	-4,267.0	-1,145.5	4,339.1	0.00	0.00	0.00
14,500.0	90.26	177.31	10,094.9	-4,366.9	-1,140.8	4,438.4	0.00	0.00	0.00
14,600.0	90.26	177.31	10,094.4	-4,466.7	-1,136.1	4,537.7	0.00	0.00	0.00
14,700.0	90.26	177.31	10,094.0	-4,566.6	-1,131.4	4,637.0	0.00	0.00	0.00
14,800.0	90.26	177.31	10,093.5	-4,666.5	-1,126.7	4,736.3	0.00	0.00	0.00
14,900.0	90.26	177.31	10,093.0	-4,766.4	-1,122.0	4,835.5	0.00	0.00	0.00
15,000.0	90.26	177.31	10,092.6	-4,866.3	-1,117.3	4,934.8	0.00	0.00	0.00
15,100.0	90.26	177.31	10,092.1	-4,966.2	-1,112.6	5,034.1	0.00	0.00	0.00
15,200.0	90.26	177.31	10,091.6	-5,066.1	-1,107.9	5,133.4	0.00	0.00	0.00
15,275.4	90.26	177.31	10,091.3	-5,141.4	-1,104.4	5,208.2	0.00	0.00	0.00
Start DLS 2.00 TFO 89.99									
15,300.0	90.26	177.80	10,091.2	-5,166.0	-1,103.3	5,232.7	2.00	0.00	2.00
15,400.0	90.26	179.80	10,090.7	-5,265.9	-1,101.2	5,332.2	2.00	0.00	2.00
15,433.7	90.26	180.48	10,090.6	-5,299.7	-1,101.3	5,365.9	2.00	0.00	2.00
Start 5193.3 hold at 15433.7 MD									
15,500.0	90.26	180.48	10,090.3	-5,365.9	-1,101.9	5,432.0	0.00	0.00	0.00
15,600.0	90.26	180.48	10,089.8	-5,465.9	-1,102.7	5,531.8	0.00	0.00	0.00
15,700.0	90.26	180.48	10,089.3	-5,565.9	-1,103.5	5,631.6	0.00	0.00	0.00
15,800.0	90.26	180.48	10,088.9	-5,665.9	-1,104.4	5,731.4	0.00	0.00	0.00
15,900.0	90.26	180.48	10,088.4	-5,765.9	-1,105.2	5,831.2	0.00	0.00	0.00
16,000.0	90.26	180.48	10,088.0	-5,865.9	-1,106.0	5,930.9	0.00	0.00	0.00
16,100.0	90.26	180.48	10,087.5	-5,965.9	-1,106.8	6,030.7	0.00	0.00	0.00
16,200.0	90.26	180.48	10,087.0	-6,065.9	-1,107.7	6,130.5	0.00	0.00	0.00
16,300.0	90.26	180.48	10,086.6	-6,165.9	-1,108.5	6,230.3	0.00	0.00	0.00
16,400.0	90.26	180.48	10,086.1	-6,265.9	-1,109.3	6,330.1	0.00	0.00	0.00
16,500.0	90.26	180.48	10,085.6	-6,365.9	-1,110.2	6,429.9	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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	90.26	180.48	10,085.2	-6,465.9	-1,111.0	6,529.7	0.00	0.00	0.00
16,700.0	90.26	180.48	10,084.7	-6,565.9	-1,111.8	6,629.5	0.00	0.00	0.00
16,800.0	90.26	180.48	10,084.3	-6,665.9	-1,112.7	6,729.3	0.00	0.00	0.00
16,900.0	90.26	180.48	10,083.8	-6,765.9	-1,113.5	6,829.1	0.00	0.00	0.00
17,000.0	90.26	180.48	10,083.3	-6,865.9	-1,114.3	6,928.8	0.00	0.00	0.00
17,100.0	90.26	180.48	10,082.9	-6,965.9	-1,115.1	7,028.6	0.00	0.00	0.00
17,200.0	90.26	180.48	10,082.4	-7,065.9	-1,116.0	7,128.4	0.00	0.00	0.00
17,300.0	90.26	180.48	10,082.0	-7,165.9	-1,116.8	7,228.2	0.00	0.00	0.00
17,400.0	90.26	180.48	10,081.5	-7,265.9	-1,117.6	7,328.0	0.00	0.00	0.00
17,500.0	90.26	180.48	10,081.0	-7,365.8	-1,118.5	7,427.8	0.00	0.00	0.00
17,600.0	90.26	180.48	10,080.6	-7,465.8	-1,119.3	7,527.6	0.00	0.00	0.00
17,700.0	90.26	180.48	10,080.1	-7,565.8	-1,120.1	7,627.4	0.00	0.00	0.00
17,800.0	90.26	180.48	10,079.6	-7,665.8	-1,120.9	7,727.2	0.00	0.00	0.00
17,900.0	90.26	180.48	10,079.2	-7,765.8	-1,121.8	7,826.9	0.00	0.00	0.00
18,000.0	90.26	180.48	10,078.7	-7,865.8	-1,122.6	7,926.7	0.00	0.00	0.00
18,100.0	90.26	180.48	10,078.3	-7,965.8	-1,123.4	8,026.5	0.00	0.00	0.00
18,200.0	90.26	180.48	10,077.8	-8,065.8	-1,124.3	8,126.3	0.00	0.00	0.00
18,300.0	90.26	180.48	10,077.3	-8,165.8	-1,125.1	8,226.1	0.00	0.00	0.00
18,400.0	90.26	180.48	10,076.9	-8,265.8	-1,125.9	8,325.9	0.00	0.00	0.00
18,500.0	90.26	180.48	10,076.4	-8,365.8	-1,126.8	8,425.7	0.00	0.00	0.00
18,600.0	90.26	180.48	10,076.0	-8,465.8	-1,127.6	8,525.5	0.00	0.00	0.00
18,700.0	90.26	180.48	10,075.5	-8,565.8	-1,128.4	8,625.3	0.00	0.00	0.00
18,800.0	90.26	180.48	10,075.0	-8,665.8	-1,129.2	8,725.1	0.00	0.00	0.00
18,900.0	90.26	180.48	10,074.6	-8,765.8	-1,130.1	8,824.8	0.00	0.00	0.00
19,000.0	90.26	180.48	10,074.1	-8,865.8	-1,130.9	8,924.6	0.00	0.00	0.00
19,100.0	90.26	180.48	10,073.6	-8,965.8	-1,131.7	9,024.4	0.00	0.00	0.00
19,200.0	90.26	180.48	10,073.2	-9,065.8	-1,132.6	9,124.2	0.00	0.00	0.00
19,300.0	90.26	180.48	10,072.7	-9,165.8	-1,133.4	9,224.0	0.00	0.00	0.00
19,400.0	90.26	180.48	10,072.3	-9,265.8	-1,134.2	9,323.8	0.00	0.00	0.00
19,500.0	90.26	180.48	10,071.8	-9,365.8	-1,135.0	9,423.6	0.00	0.00	0.00
19,600.0	90.26	180.48	10,071.3	-9,465.8	-1,135.9	9,523.4	0.00	0.00	0.00
19,700.0	90.26	180.48	10,070.9	-9,565.7	-1,136.7	9,623.2	0.00	0.00	0.00
19,800.0	90.26	180.48	10,070.4	-9,665.7	-1,137.5	9,723.0	0.00	0.00	0.00
19,900.0	90.26	180.48	10,070.0	-9,765.7	-1,138.4	9,822.7	0.00	0.00	0.00
20,000.0	90.26	180.48	10,069.5	-9,865.7	-1,139.2	9,922.5	0.00	0.00	0.00
20,100.0	90.26	180.48	10,069.0	-9,965.7	-1,140.0	10,022.3	0.00	0.00	0.00
20,200.0	90.26	180.48	10,068.6	-10,065.7	-1,140.9	10,122.1	0.00	0.00	0.00
20,300.0	90.26	180.48	10,068.1	-10,165.7	-1,141.7	10,221.9	0.00	0.00	0.00
20,400.0	90.26	180.48	10,067.6	-10,265.7	-1,142.5	10,321.7	0.00	0.00	0.00
20,500.0	90.26	180.48	10,067.2	-10,365.7	-1,143.3	10,421.5	0.00	0.00	0.00
20,600.0	90.26	180.48	10,066.7	-10,465.7	-1,144.2	10,521.3	0.00	0.00	0.00
20,627.0	90.26	180.48	10,066.6	-10,492.7	-1,144.4	10,548.2	0.00	0.00	0.00
Start DLS 2.00 TFO -89.99									

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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)
20,652.9	90.26	179.96	10,066.5	-10,518.6	-1,144.5	10,574.1	2.00	0.00	-2.00
Start 5085.2 hold at 20652.9 MD									
20,700.0	90.26	179.96	10,066.3	-10,565.7	-1,144.5	10,621.0	0.00	0.00	0.00
20,800.0	90.26	179.96	10,065.8	-10,665.7	-1,144.4	10,720.8	0.00	0.00	0.00
20,900.0	90.26	179.96	10,065.3	-10,765.7	-1,144.3	10,820.5	0.00	0.00	0.00
21,000.0	90.26	179.96	10,064.9	-10,865.7	-1,144.2	10,920.2	0.00	0.00	0.00
21,100.0	90.26	179.96	10,064.4	-10,965.7	-1,144.2	11,019.9	0.00	0.00	0.00
21,200.0	90.26	179.96	10,064.0	-11,065.7	-1,144.1	11,119.7	0.00	0.00	0.00
21,300.0	90.26	179.96	10,063.5	-11,165.7	-1,144.0	11,219.4	0.00	0.00	0.00
21,400.0	90.26	179.96	10,063.0	-11,265.7	-1,143.9	11,319.1	0.00	0.00	0.00
21,500.0	90.26	179.96	10,062.6	-11,365.7	-1,143.9	11,418.8	0.00	0.00	0.00
21,600.0	90.26	179.96	10,062.1	-11,465.7	-1,143.8	11,518.6	0.00	0.00	0.00
21,700.0	90.26	179.96	10,061.6	-11,565.7	-1,143.7	11,618.3	0.00	0.00	0.00
21,800.0	90.26	179.96	10,061.2	-11,665.7	-1,143.6	11,718.0	0.00	0.00	0.00
21,900.0	90.26	179.96	10,060.7	-11,765.7	-1,143.6	11,817.8	0.00	0.00	0.00
22,000.0	90.26	179.96	10,060.3	-11,865.7	-1,143.5	11,917.5	0.00	0.00	0.00
22,100.0	90.26	179.96	10,059.8	-11,965.7	-1,143.4	12,017.2	0.00	0.00	0.00
22,200.0	90.26	179.96	10,059.3	-12,065.7	-1,143.3	12,116.9	0.00	0.00	0.00
22,300.0	90.26	179.96	10,058.9	-12,165.7	-1,143.3	12,216.7	0.00	0.00	0.00
22,400.0	90.26	179.96	10,058.4	-12,265.7	-1,143.2	12,316.4	0.00	0.00	0.00
22,500.0	90.26	179.96	10,058.0	-12,365.7	-1,143.1	12,416.1	0.00	0.00	0.00
22,600.0	90.26	179.96	10,057.5	-12,465.7	-1,143.0	12,515.8	0.00	0.00	0.00
22,700.0	90.26	179.96	10,057.0	-12,565.7	-1,143.0	12,615.6	0.00	0.00	0.00
22,800.0	90.26	179.96	10,056.6	-12,665.7	-1,142.9	12,715.3	0.00	0.00	0.00
22,900.0	90.26	179.96	10,056.1	-12,765.7	-1,142.8	12,815.0	0.00	0.00	0.00
23,000.0	90.26	179.96	10,055.6	-12,865.7	-1,142.7	12,914.8	0.00	0.00	0.00
23,100.0	90.26	179.96	10,055.2	-12,965.7	-1,142.7	13,014.5	0.00	0.00	0.00
23,200.0	90.26	179.96	10,054.7	-13,065.7	-1,142.6	13,114.2	0.00	0.00	0.00
23,300.0	90.26	179.96	10,054.3	-13,165.7	-1,142.5	13,213.9	0.00	0.00	0.00
23,400.0	90.26	179.96	10,053.8	-13,265.7	-1,142.4	13,313.7	0.00	0.00	0.00
23,500.0	90.26	179.96	10,053.3	-13,365.7	-1,142.4	13,413.4	0.00	0.00	0.00
23,600.0	90.26	179.96	10,052.9	-13,465.7	-1,142.3	13,513.1	0.00	0.00	0.00
23,700.0	90.26	179.96	10,052.4	-13,565.7	-1,142.2	13,612.8	0.00	0.00	0.00
23,800.0	90.26	179.96	10,051.9	-13,665.7	-1,142.1	13,712.6	0.00	0.00	0.00
23,900.0	90.26	179.96	10,051.5	-13,765.7	-1,142.1	13,812.3	0.00	0.00	0.00
24,000.0	90.26	179.96	10,051.0	-13,865.7	-1,142.0	13,912.0	0.00	0.00	0.00
24,100.0	90.26	179.96	10,050.6	-13,965.7	-1,141.9	14,011.8	0.00	0.00	0.00
24,200.0	90.26	179.96	10,050.1	-14,065.7	-1,141.8	14,111.5	0.00	0.00	0.00
24,300.0	90.26	179.96	10,049.6	-14,165.7	-1,141.8	14,211.2	0.00	0.00	0.00
24,400.0	90.26	179.96	10,049.2	-14,265.7	-1,141.7	14,310.9	0.00	0.00	0.00
24,500.0	90.26	179.96	10,048.7	-14,365.7	-1,141.6	14,410.7	0.00	0.00	0.00
24,600.0	90.26	179.96	10,048.3	-14,465.7	-1,141.5	14,510.4	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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	90.26	179.96	10,047.8	-14,565.7	-1,141.5	14,610.1	0.00	0.00	0.00
24,800.0	90.26	179.96	10,047.3	-14,665.7	-1,141.4	14,709.8	0.00	0.00	0.00
24,900.0	90.26	179.96	10,046.9	-14,765.7	-1,141.3	14,809.6	0.00	0.00	0.00
25,000.0	90.26	179.96	10,046.4	-14,865.7	-1,141.3	14,909.3	0.00	0.00	0.00
25,100.0	90.26	179.96	10,045.9	-14,965.7	-1,141.2	15,009.0	0.00	0.00	0.00
25,200.0	90.26	179.96	10,045.5	-15,065.7	-1,141.1	15,108.8	0.00	0.00	0.00
25,300.0	90.26	179.96	10,045.0	-15,165.7	-1,141.0	15,208.5	0.00	0.00	0.00
25,400.0	90.26	179.96	10,044.6	-15,265.7	-1,141.0	15,308.2	0.00	0.00	0.00
25,500.0	90.26	179.96	10,044.1	-15,365.7	-1,140.9	15,407.9	0.00	0.00	0.00
25,600.0	90.26	179.96	10,043.6	-15,465.7	-1,140.8	15,507.7	0.00	0.00	0.00
25,700.0	90.26	179.96	10,043.2	-15,565.7	-1,140.7	15,607.4	0.00	0.00	0.00
25,738.0	90.26	179.96	10,043.0	-15,603.7	-1,140.7	15,645.3	0.00	0.00	0.00
TD at 25738.0									

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									
LTP(ROCK JELLY FE	0.00	0.00	10,043.0	-15,473.5	-1,142.4	376,918.00	612,443.50	32° 2' 8.675 N	103° 58' 13.679 W
- plan misses target center by 1.7usft at 25607.8usft MD (10043.6 TVD, -15473.5 N, -1140.8 E)									
- Point									
PBHL(ROCK JELLY F	0.26	359.96	10,043.0	-15,603.7	-1,140.7	376,787.80	612,445.20	32° 2' 7.386 N	103° 58' 13.664 W
- plan hits target center									
- Rectangle (sides W100.0 H5,113.0 D20.0)									
POI#2(ROCK JELLY I	0.26	0.48	10,066.6	-10,492.7	-1,144.4	381,898.79	612,441.51	32° 2' 57.967 N	103° 58' 13.508 W
- plan hits target center									
- Rectangle (sides W100.0 H5,360.0 D20.0)									
POI#1(ROCK JELLY I	0.26	357.31	10,091.3	-5,141.4	-1,104.4	387,250.12	612,481.52	32° 3' 50.925 N	103° 58' 12.834 W
- plan hits target center									
- Rectangle (sides W100.0 H5,270.0 D20.0)									
FTP(ROCK JELLY FE	0.00	0.00	10,113.0	-125.3	-1,340.6	392,266.22	612,245.31	32° 4' 40.574 N	103° 58' 15.383 W
- plan misses target center by 84.7usft at 10287.3usft MD (10041.7 TVD, -170.9 N, -1338.1 E)									
- Circle (radius 50.0)									

ConocoPhillips

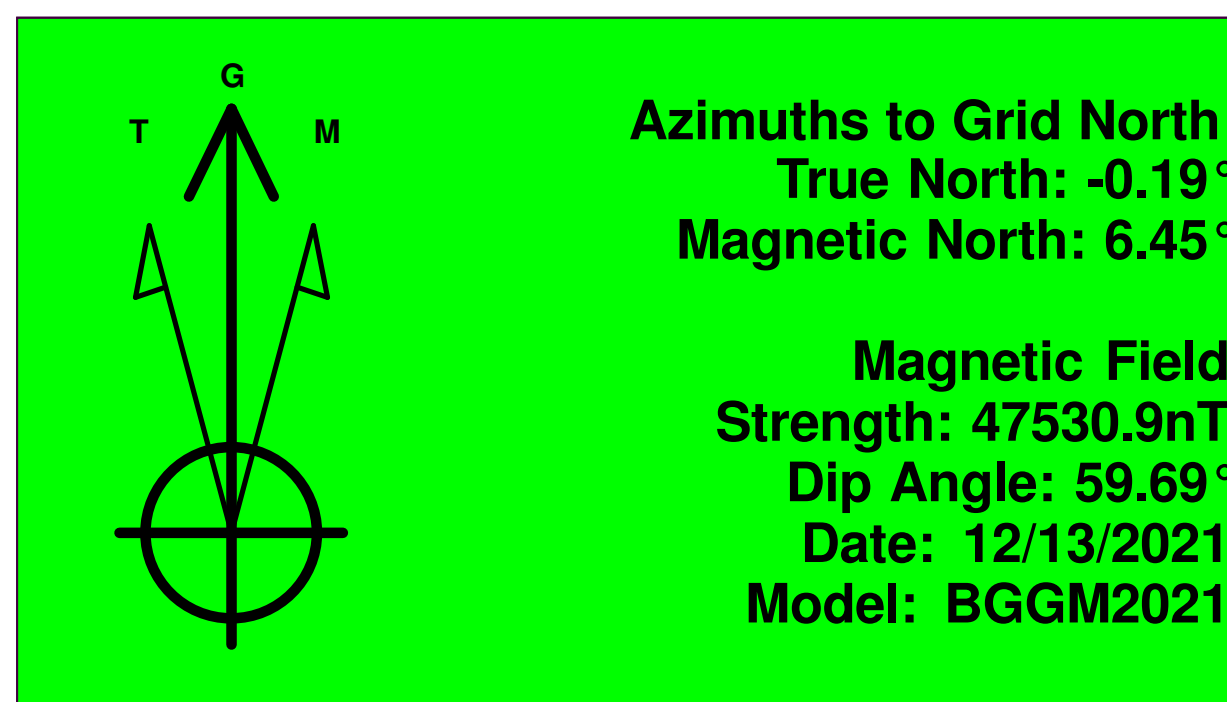
Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3002.8usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3002.8usft (P84)
Well:	ROCK JELLY FED COM #702H	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
2600	2596	6	-62	Start 5627.2 hold at 2600.0 MD
8227	8100	113	-1227	Start Drop -1.00
9427	9291	125	-1352	Start 248.9 hold at 9427.2 MD
9676	9540	125	-1352	Start DLS 10.00 TFO 177.31
10,579	10,113	-450	-1325	Start 4696.7 hold at 10578.7 MD
15,275	10,091	-5141	-1104	Start DLS 2.00 TFO 89.99
15,434	10,091	-5300	-1101	Start 5193.3 hold at 15433.7 MD
20,627	10,067	-10,493	-1144	Start DLS 2.00 TFO -89.99
20,653	10,066	-10,519	-1144	Start 5085.2 hold at 20652.9 MD
25,738	10,043	-15,604	-1141	TD at 25738.0

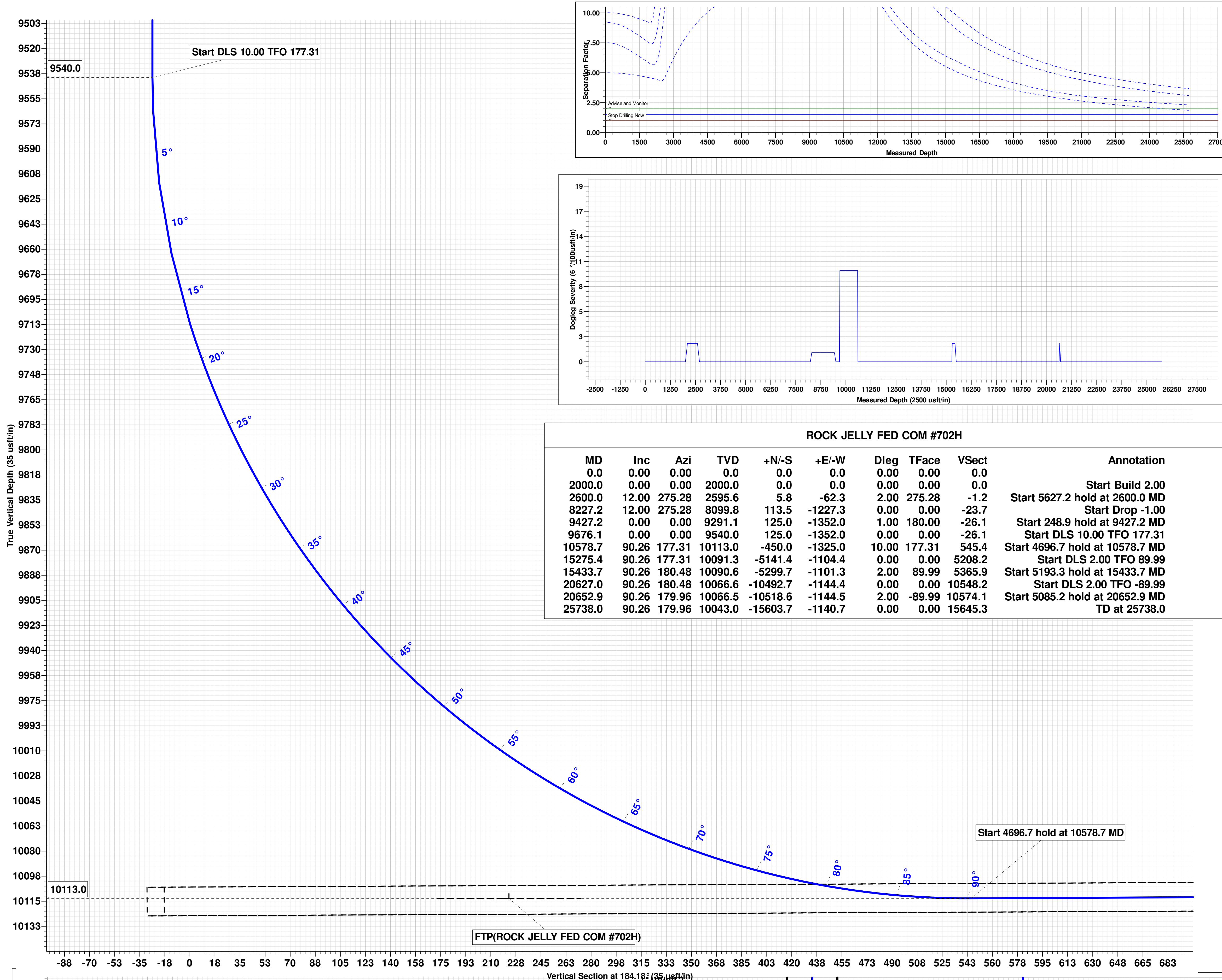
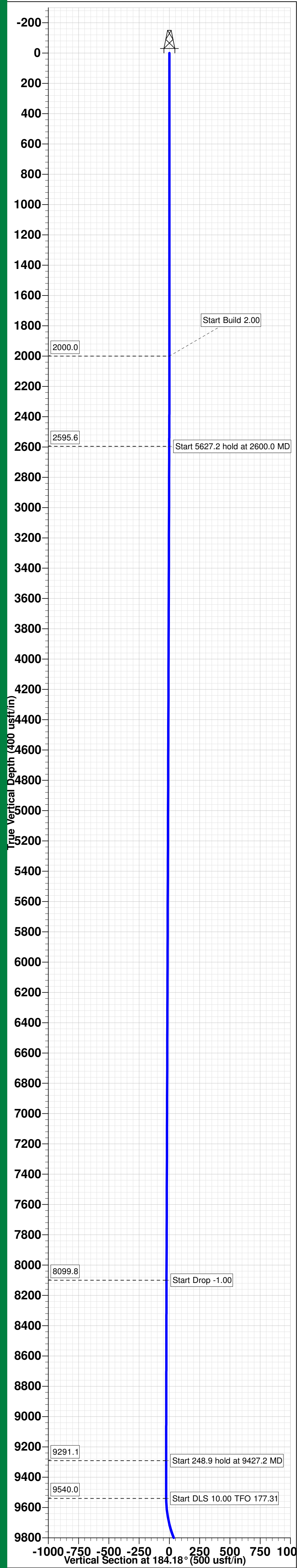
Checked By: _____ Approved By: _____ Date: _____



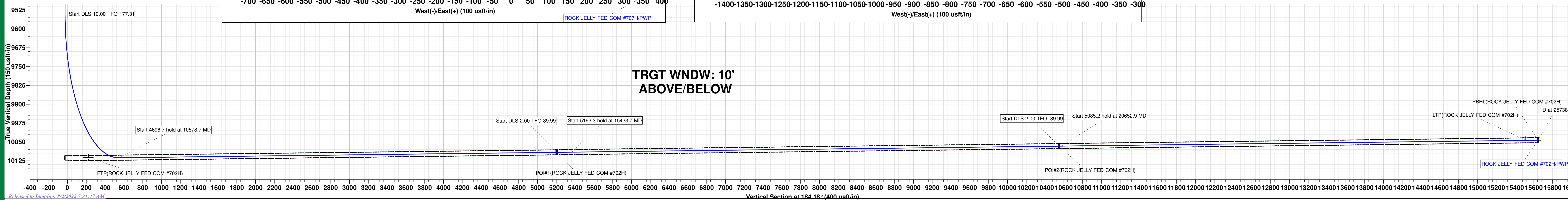
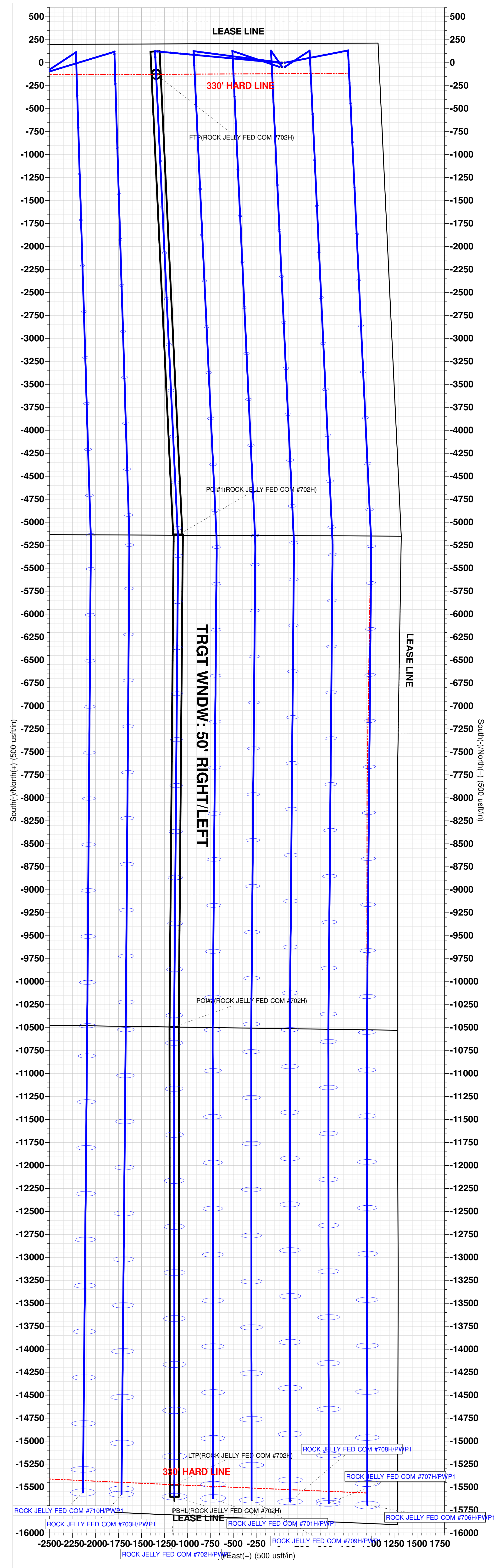
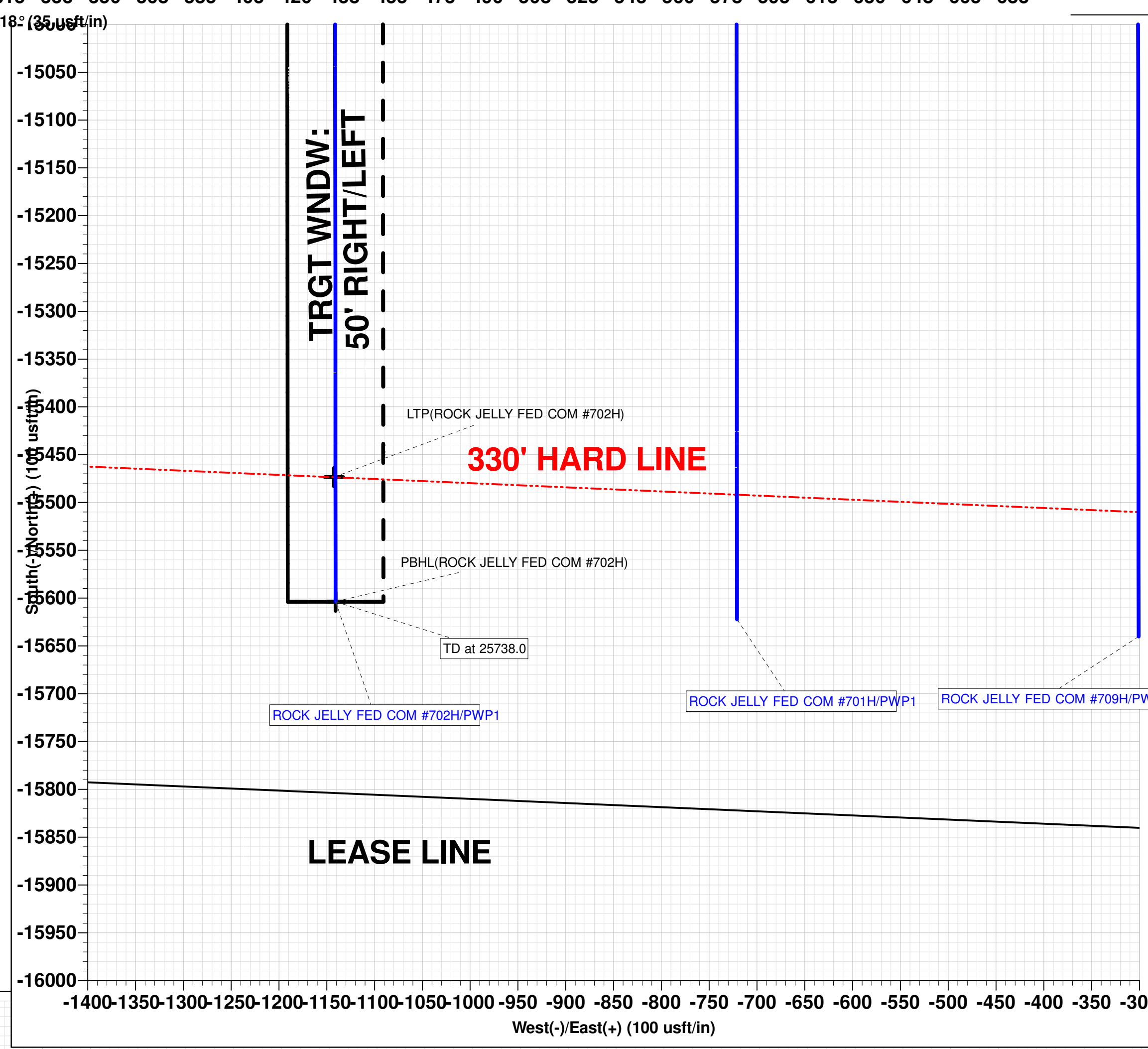
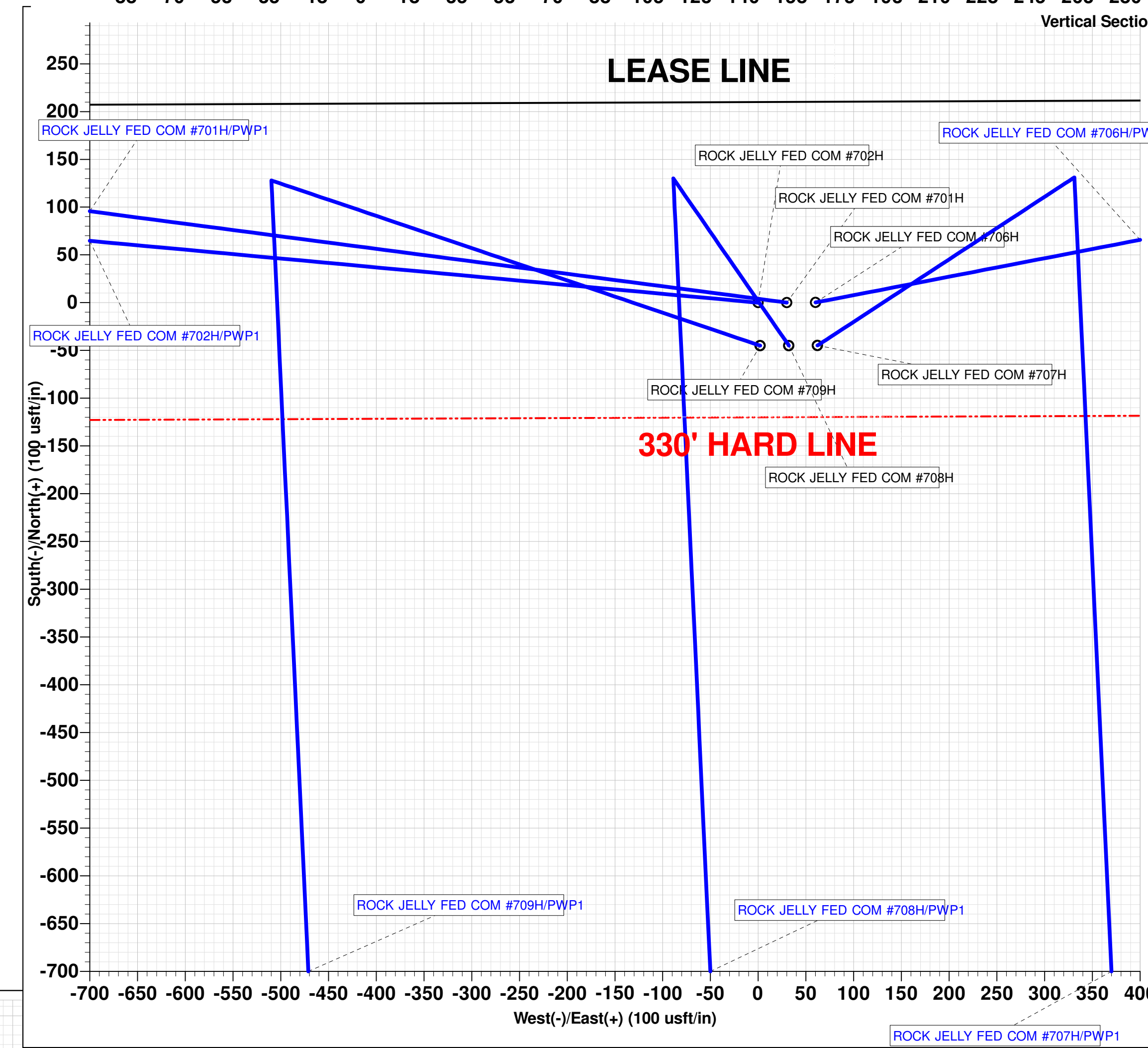
Project: ATLAS STATION (NM-E)
Site: ROCK JELLY FEDERAL PROJECT (ATLAS 2629)
Well: ROCK JELLY FED COM #702H
Wellbore: OWB
Design: PWP1
GL: 2977.8
KB=25° @ 3002.8usft (P84)

WELL DETAILS: ROCK JELLY FED COM #702H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	392391.50	613385.90	32° 4' 41.769 N	103° 57' 59.797 W

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP(ROCK JELLY FED COM #702H)	10043.0	-15473.5	-1142.4	376918.00	612443.50	32° 2' 8.675 N
PBHL(ROCK JELLY FED COM #702H)	10043.0	-15603.7	-1140.7	376787.80	612445.20	32° 2' 7.386 N
POI#2(ROCK JELLY FED COM #702H)	10066.6	-10492.7	-1144.4	381898.79	612441.51	32° 2' 57.967 N
POI#1(ROCK JELLY FED COM #702H)	10091.3	-5141.4	-1104.4	387250.12	612481.51	32° 3' 50.925 N
FTP(ROCK JELLY FED COM #702H)	10113.0	-125.3	-1340.6	392266.22	612245.31	32° 4' 40.574 N



ROCK JELLY FED COM #702H									
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
2600.0	12.00	275.28	2595.6	5.8	-62.3	2.00	275.28	-1.2	Start 5627.2 hold at 2600.0 MD
8227.2	12.00	275.28	8099.8	113.5	-1227.3	0.00	0.00	-23.7	Start Drop -1.00
9427.2	0.00	0.00	9291.1	125.0	-1352.0	1.00	180.00	-26.1	Start 248.9 hold at 9427.2 MD
9676.1	0.00	0.00	9540.0	125.0	-1352.0	0.00	0.00	-26.1	Start DLS 10.00 TFO 177.31
10578.7	90.26	177.31	10113.0	-450.0	-1325.0	10.00	177.31	545.4	Start 4696.7 hold at 10578.7 MD
15275.4	90.26	177.31	10091.3	-5141.4	-1104.4	0.00	0.00	5208.2	Start DLS 2.00 TFO 89.99
15433.7	90.26	180.48	10090.6	-5299.7	-1101.3	2.00	89.99	5365.9	Start 5193.3 hold at 15433.7 MD
20627.0	90.26	180.48	10066.6	-10492.7	-1144.4	0.00	0.00	10548.2	Start DLS 2.00 TFO -89.99
20652.9	90.26	179.96	10066.5	-10518.6	-1144.5	2.00	-89.99	10574.1	Start 5085.2 hold at 20652.9 MD
25738.0	90.26	179.96	10043.0	-15603.7	-1140.7	0.00	0.00	15645.3	TD at 25738.0



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

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

COMMENTS

Action 130198

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130198
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

Created By	Comment	Comment Date
kpickford	Defining well	8/2/2022

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CONDITIONS

Action 130198

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Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130198
	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