

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

5. Lease Serial No. NMNM138834

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well

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

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

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

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

8. Well Name and No. ROCK JELLY FEDERAL COM/705H

9. API Well No. 3001547579

10. Field and Pool or Exploratory Area
WC-025G07S253216D;UP WOLF/Draper Hill11. 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.)

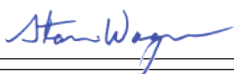
COG Operating requests a revision to our approved APD to reflect a change in BHL.

Change the BHL to: 200' FSL & 330' FWL SWSW 15-26S-29E Eddy Co.

Revised drill and directional plans attached.

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

Signature



Date

03/15/2022

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Petroleum Engineer
Title07/26/2022
Date

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

Office CARLSBAD

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

(Instructions on page 2)

Additional Information

Location of Well

0. SHL: NENW / 350 FNL / 1470 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078004 / LONG: -103.975963 (TVD: 0 feet, MD: 0 feet)

PPP: NWNW / 1 FNL / 330 FWL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.064328 / LONG: -103.97951 (TVD: 10084 feet, MD: 15000 feet)

PPP: SWSW / 1 FSL / 330 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.064328 / LONG: -103.97951 (TVD: 10084 feet, MD: 15000 feet)

PPP: NWNW / 330 FNL / 330 FWL / TWSP: 26S / RANGE: 29E / SECTION: 3 / LAT: 32.078057 / LONG: -103.979646 (TVD: 10048 feet, MD: 10209 feet)

BHL: SWSW / 200 FSL / 330 FWL / TWSP: 26S / RANGE: 29E / SECTION: 10 / LAT: 32.050236 / LONG: -103.97937 (TVD: 10074 feet, MD: 20122 feet)

CONFIDENTIAL

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

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

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

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

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-015-47579	Pool Code 98220	Pool Name Purple Sage; Wolfcamp (Gas)
Property Code 329756	Property Name ROCK JELLY FEDERAL COM	Well Number 705H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 2978.3'

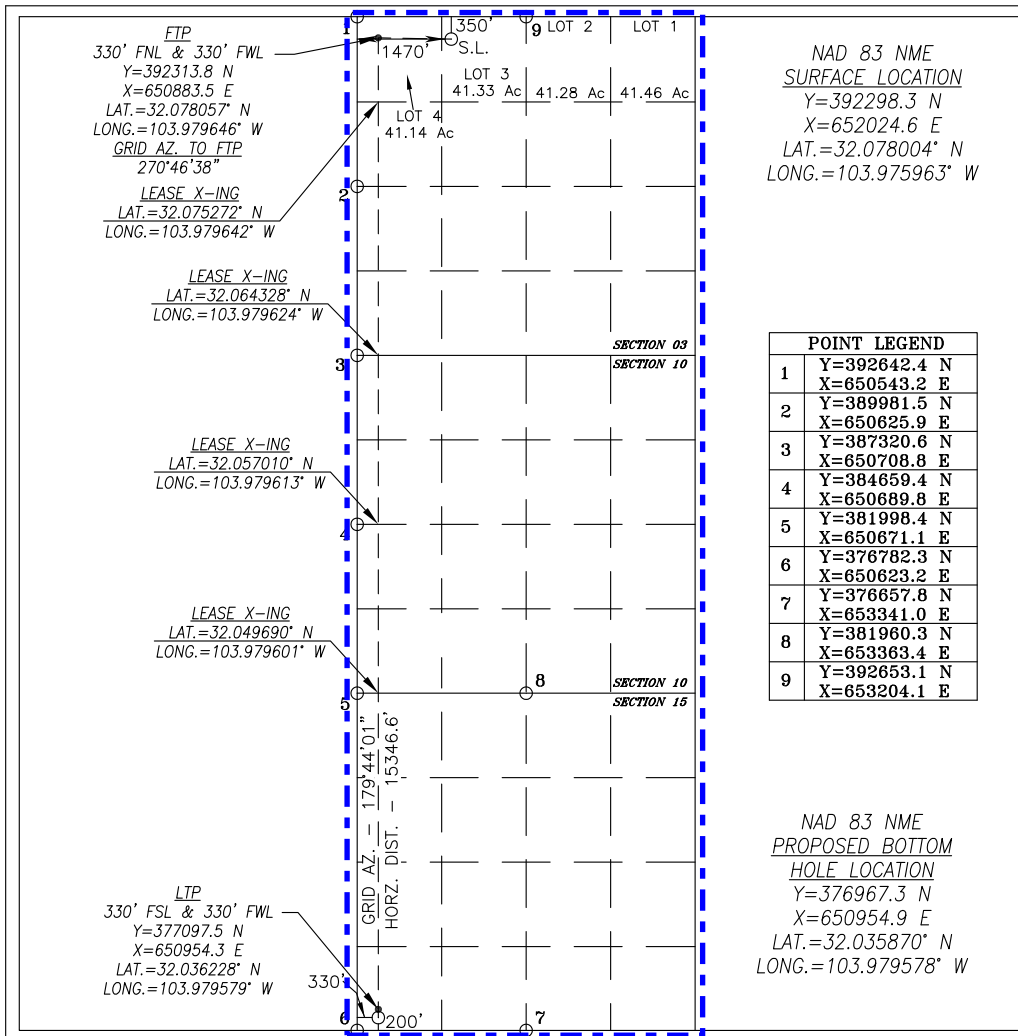
Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3	3	26-S	29-E		350	NORTH	1470	WEST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	15	26-S	29-E		200	SOUTH	330	WEST	EDDY
Dedicated Acres 1920	Joint or Infill	Consolidation Code	Order No.						

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



OPERATOR CERTIFICATION

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

Stan Wagner 2/17/22
Signature Date

Stan Wagner
Printed Name

E-mail Address

SURVEYOR CERTIFICATION

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

DECEMBER 13, 2021

Date of Survey

Signature & Seal of Professional Surveyor



Chad Harcrow 12/17/21
Certificate No. CHAD HARCROW 17777
W.O. #21-1069 DRAWN BY: WN

COG Operating, LLC - Rock Jelly Federal Com 705H

1. Geologic Formations

TVD of target	10,063' EOL	Pilot hole depth	NA
MD at TD:	25,505'	Deepest expected fresh water:	78'

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary Fill	Surface	Water	
Rustler	508	Water	
Top of Salt	653	Salt	
Base of Salt	2776	Salt	
Lamar	3002	Salt Water	
Bell Canyon	3044	Salt Water	
Cherry Canyon	3901	Oil/Gas	
Brushy Canyon	5191	Oil/Gas	
Bone Spring Lime	6758	Oil/Gas	
1st Bone Spring Sand	7691	Oil/Gas	
2nd Bone Spring Sand	8293	Oil/Gas	
3rd Bone Spring Sand	9588	Oil/Gas	
Wolfcamp A	9953	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	600	10.75"	45.5	N80	BTC	9.00	2.02	38.10	40.18
9.875"	0	7000	7.625"	29.7	HCL80	BTC	1.90	1.32	3.49	3.53
8.750"	7000	9550	7.625"	29.7	P110 RY	W 513	1.65	1.76	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	25,505	5.5"	23	P110 RY	W 441	2.48	2.98	3.58	3.25
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 705H

	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 705H

3. Cementing Program

Casing	# Sk	Wt. lb/ gal	Yld ft3/ sack	H ₂ O gal/sk	500# Comp. Strength (hours)	Slurry Description
Surf.	286	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
	1552	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 705H

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 705H

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 705H

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	6545 psi at 10063' 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 #705H

OWB

PWP1

Anticollision Report

18 January, 2022

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference	PWP1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum centre distance of 1,000.0usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	1/18/2022		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	9,626.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
9,626.0	25,505.0	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						
ADMIRAL FEDERAL PROJECT (ATLAS 2529)						
GEHRIG FEDERAL #5H - OWB - AWP	7,428.8	7,208.0	753.6	738.3	49.131	CC, ES
GEHRIG FEDERAL #5H - OWB - AWP	7,900.0	7,405.0	843.6	824.7	44.663	SF
BIG PAPI FEDERAL PROJECT (ATLAS 2629)						
BIG PAPI FED COM #701H - OWB - PWP1	17,840.9	17,391.9	751.1	618.6	5.670	CC
BIG PAPI FED COM #701H - OWB - PWP1	20,300.0	19,831.7	767.5	593.8	4.418	ES, SF
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #703H - OWB - PWP1	1,916.6	1,916.9	60.1	53.6	9.197	CC
ROCK JELLY FED COM #703H - OWB - PWP1	2,000.0	2,000.0	60.1	53.5	9.132	ES, SF
ROCK JELLY FED COM #704H - OWB - PWP1	2,004.0	2,004.1	30.0	23.4	4.556	CC
ROCK JELLY FED COM #704H - OWB - PWP1	2,100.0	2,101.1	30.0	23.4	4.525	ES
ROCK JELLY FED COM #704H - OWB - PWP1	25,505.0	25,727.3	488.7	225.4	1.856	Advise and Monitor, SF
ROCK JELLY FED COM #710H - OWB - PWP1	2,000.0	2,000.1	76.1	69.0	10.779	CC, ES, SF
ROCK JELLY FED COM #711H - OWB - PWP1	2,000.0	2,000.0	54.7	47.2	7.316	CC, ES, SF
ROCK JELLY FED COM #712H - OWB - PWP1	2,000.0	1,999.8	45.0	37.1	5.714	CC, ES
ROCK JELLY FED COM #712H - OWB - PWP1	25,505.0	25,462.2	840.2	571.0	3.121	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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
ADMIRAL FEDERAL PROJECT (ATLAS 2529)						
GEHRIG FEDERAL #5H - OWB - AWP	25,505.0	7,026.0				Out of Range @TD
BIG PAPI FEDERAL PROJECT (ATLAS 2629)						
BIG PAPI FED COM #701H - OWB - PWP1	25,505.0	19,831.7				Out of Range @TD
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
ROCK JELLY FED COM #703H - OWB - PWP1	25,505.0	25,781.0				Out of Range @TD
ROCK JELLY FED COM #704H - OWB - PWP1	25,505.0	25,727.3	488.7	225.4	1.856	Advise and Monitor, SF
ROCK JELLY FED COM #710H - OWB - PWP1	25,505.0	25,490.3				Out of Range @TD
ROCK JELLY FED COM #711H - OWB - PWP1	25,505.0	25,707.6				Out of Range @TD
ROCK JELLY FED COM #712H - OWB - PWP1	25,505.0	25,462.2	840.2	571.0	3.121	SF

Offset Design: ADMIRAL FEDERAL PROJECT (ATLAS 2529) - GEHRIG FEDERAL #5H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 6901-MWD												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
5,900.0	5,845.8	5,811.3	5,809.7	7.6	6.3	-11.26	161.6	-1,603.3	984.7	972.2	12.51	78.699	
6,000.0	5,944.3	5,915.0	5,913.4	7.7	6.4	-11.50	161.2	-1,603.4	967.8	955.1	12.67	76.365	
6,100.0	6,042.8	6,015.5	6,013.9	7.8	6.4	-11.74	160.7	-1,603.1	950.5	937.6	12.87	73.880	
6,200.0	6,141.3	6,113.4	6,111.8	7.9	6.4	-11.98	160.3	-1,602.8	933.1	920.1	13.07	71.418	
6,300.0	6,239.7	6,212.3	6,210.7	8.1	6.5	-12.24	159.8	-1,602.5	915.8	902.5	13.27	69.029	
6,400.0	6,338.2	6,308.7	6,307.1	8.2	6.5	-12.50	159.3	-1,602.2	898.6	885.2	13.45	66.804	
6,500.0	6,436.7	6,406.0	6,404.4	8.4	6.6	-12.78	158.7	-1,602.2	881.6	868.0	13.62	64.718	
6,600.0	6,535.2	6,503.6	6,502.0	8.5	6.6	-13.07	158.1	-1,602.2	864.7	850.9	13.78	62.735	
6,700.0	6,633.7	6,601.3	6,599.7	8.6	6.6	-13.40	157.2	-1,602.4	847.9	834.0	13.94	60.825	
6,800.0	6,732.1	6,697.8	6,696.2	8.8	6.6	-13.74	156.1	-1,602.6	831.3	817.3	14.09	59.001	
6,900.0	6,830.6	6,799.4	6,797.7	8.9	6.6	-14.16	154.5	-1,602.9	814.7	800.5	14.25	57.168	
7,000.0	6,929.1	6,893.6	6,891.9	9.1	6.6	-14.54	153.2	-1,603.2	798.3	783.9	14.39	55.459	
7,100.0	7,027.6	6,981.8	6,980.0	9.2	6.8	-14.62	156.0	-1,604.1	782.4	767.8	14.58	53.676	
7,200.0	7,126.1	7,063.9	7,060.1	9.4	6.9	-13.59	173.1	-1,607.2	768.8	754.1	14.74	52.171	
7,300.0	7,224.5	7,124.6	7,116.9	9.5	7.1	-12.15	194.4	-1,611.1	758.7	743.8	14.92	50.843	
7,400.0	7,323.0	7,192.4	7,176.7	9.7	7.3	-9.97	225.3	-1,617.7	753.9	738.7	15.23	49.514	
7,428.8	7,351.4	7,208.0	7,190.0	9.7	7.3	-9.39	233.5	-1,619.5	753.6	738.3	15.34	49.131	CC, ES
7,500.0	7,421.5	7,248.0	7,222.4	9.8	7.5	-7.75	256.3	-1,624.6	755.5	739.8	15.68	48.186	
7,600.0	7,520.0	7,289.9	7,254.2	10.0	7.6	-5.85	282.8	-1,630.8	764.8	748.5	16.30	46.917	
7,700.0	7,618.5	7,332.0	7,283.8	10.1	7.8	-3.79	311.9	-1,638.0	782.7	765.6	17.08	45.837	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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: ADMIRAL FEDERAL PROJECT (ATLAS 2529) - GEHRIG FEDERAL #5H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 6901-MWD													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)			
7,800.0	7,716.9	7,374.0	7,311.1	10.3	8.0	-1.63	342.8	-1,645.9	809.0	791.1	17.95	45.069		
7,900.0	7,815.4	7,405.0	7,329.6	10.5	8.1	0.01	366.8	-1,652.3	843.6	824.7	18.89	44.663 SF		
8,000.0	7,913.9	7,436.0	7,346.7	10.6	8.3	1.67	391.8	-1,659.1	886.0	866.2	19.84	44.668		
8,100.0	8,012.4	7,458.9	7,358.5	10.8	8.4	2.90	410.6	-1,664.3	935.4	914.6	20.75	45.084		
8,200.0	8,110.9	7,488.5	7,373.0	11.0	8.7	4.48	435.5	-1,671.2	990.7	969.1	21.60	45.864		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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: BIG PAPI FEDERAL PROJECT (ATLAS 2629) - BIG PAPI FED COM #701H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9838-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)				
10,600.0	10,062.4	10,508.8	10,176.6	13.7	15.7	97.01	-811.3	-2,030.7	987.1	961.1	25.95	38.037		
10,700.0	10,062.0	10,588.4	10,196.3	13.9	15.8	98.51	-881.6	-1,999.0	952.1	925.6	26.53	35.890		
10,800.0	10,061.5	10,674.3	10,205.6	14.1	15.9	99.44	-960.4	-1,966.2	918.5	891.3	27.24	33.723		
10,900.0	10,061.1	10,741.4	10,205.6	14.4	16.0	99.70	-1,023.1	-1,942.3	886.5	858.6	27.87	31.804		
11,000.0	10,060.6	10,800.0	10,205.1	14.9	16.1	99.88	-1,078.6	-1,923.8	858.2	829.7	28.50	30.114		
11,100.0	10,060.1	10,862.6	10,204.5	15.4	16.2	100.05	-1,138.8	-1,906.6	833.9	804.7	29.21	28.546		
11,200.0	10,059.7	10,925.1	10,204.0	16.0	16.3	100.19	-1,199.5	-1,892.0	813.8	783.9	29.97	27.155		
11,300.0	10,059.2	11,000.0	10,203.3	16.6	16.5	100.32	-1,273.1	-1,878.0	798.2	767.3	30.86	25.862		
11,400.0	10,058.7	11,052.9	10,202.9	17.2	16.6	100.38	-1,325.5	-1,870.5	786.6	755.0	31.62	24.879		
11,500.0	10,058.3	11,117.8	10,202.3	17.9	16.7	100.42	-1,390.0	-1,863.8	779.5	747.1	32.48	24.000		
11,600.0	10,057.8	11,185.1	10,201.7	18.6	16.9	100.42	-1,457.2	-1,860.1	777.0	743.6	33.38	23.277		
11,700.0	10,057.3	11,281.8	10,200.9	19.3	17.2	100.40	-1,553.9	-1,857.0	776.8	742.2	34.58	22.465		
11,800.0	10,056.9	11,381.8	10,200.0	20.0	17.5	100.37	-1,653.8	-1,853.7	776.6	740.7	35.85	21.665		
11,900.0	10,056.4	11,481.8	10,199.2	20.7	17.9	100.34	-1,753.8	-1,850.5	776.4	739.2	37.15	20.898		
12,000.0	10,055.9	11,581.8	10,198.3	21.4	18.3	100.31	-1,853.7	-1,847.2	776.2	737.7	38.49	20.167		
12,100.0	10,055.5	11,681.8	10,197.4	22.2	18.8	100.29	-1,953.6	-1,844.0	776.0	736.2	39.86	19.469		
12,200.0	10,055.0	11,781.8	10,196.6	22.9	19.4	100.26	-2,053.6	-1,840.8	775.8	734.6	41.26	18.805		
12,300.0	10,054.5	11,881.8	10,195.7	23.7	19.9	100.23	-2,153.5	-1,837.5	775.6	733.0	42.68	18.175		
12,400.0	10,054.1	11,981.8	10,194.8	24.4	20.5	100.20	-2,253.5	-1,834.3	775.4	731.3	44.12	17.576		
12,500.0	10,053.6	12,081.8	10,194.0	25.2	21.2	100.18	-2,353.4	-1,831.1	775.3	729.7	45.58	17.008		
12,600.0	10,053.1	12,181.8	10,193.1	26.0	21.8	100.15	-2,453.4	-1,827.8	775.1	728.0	47.06	16.469		
12,700.0	10,052.7	12,281.8	10,192.2	26.7	22.5	100.12	-2,553.3	-1,824.6	774.9	726.3	48.56	15.957		
12,800.0	10,052.2	12,381.8	10,191.4	27.5	23.2	100.09	-2,653.2	-1,821.3	774.7	724.6	50.07	15.472		
12,900.0	10,051.8	12,481.8	10,190.5	28.3	23.9	100.07	-2,753.2	-1,818.1	774.5	722.9	51.60	15.011		
13,000.0	10,051.3	12,581.8	10,189.7	29.1	24.6	100.04	-2,853.1	-1,814.9	774.3	721.2	53.13	14.573		
13,100.0	10,050.8	12,681.8	10,188.8	29.9	25.3	100.01	-2,953.1	-1,811.6	774.1	719.5	54.68	14.157		
13,200.0	10,050.4	12,781.8	10,187.9	30.7	26.0	99.98	-3,053.0	-1,808.4	773.9	717.7	56.24	13.761		
13,300.0	10,049.9	12,881.8	10,187.1	31.5	26.8	99.96	-3,153.0	-1,805.2	773.8	715.9	57.81	13.384		
13,400.0	10,049.4	12,981.8	10,186.2	32.3	27.5	99.93	-3,252.9	-1,801.9	773.6	714.2	59.39	13.026		
13,500.0	10,049.0	13,081.8	10,185.3	33.1	28.3	99.90	-3,352.8	-1,798.7	773.4	712.4	60.97	12.684		
13,600.0	10,048.5	13,181.8	10,184.5	33.9	29.1	99.87	-3,452.8	-1,795.4	773.2	710.6	62.57	12.358		
13,700.0	10,048.0	13,281.8	10,183.6	34.8	29.8	99.85	-3,552.7	-1,792.2	773.0	708.8	64.16	12.047		
13,800.0	10,047.6	13,381.8	10,182.7	35.6	30.6	99.82	-3,652.7	-1,789.0	772.8	707.1	65.77	11.750		
13,900.0	10,047.1	13,481.8	10,181.9	36.4	31.4	99.79	-3,752.6	-1,785.7	772.6	705.3	67.38	11.467		
14,000.0	10,046.6	13,581.8	10,181.0	37.2	32.2	99.76	-3,852.6	-1,782.5	772.5	703.5	69.00	11.195		
14,100.0	10,046.2	13,681.8	10,180.2	38.0	33.0	99.74	-3,952.5	-1,779.3	772.3	701.6	70.62	10.935		
14,200.0	10,045.7	13,781.8	10,179.3	38.9	33.8	99.71	-4,052.4	-1,776.0	772.1	699.8	72.25	10.687		
14,300.0	10,045.2	13,881.8	10,178.4	39.7	34.5	99.68	-4,152.4	-1,772.8	771.9	698.0	73.88	10.448		
14,400.0	10,044.8	13,981.8	10,177.6	40.5	35.3	99.65	-4,252.3	-1,769.5	771.7	696.2	75.51	10.219		
14,500.0	10,044.3	14,081.8	10,176.7	41.3	36.1	99.63	-4,352.3	-1,766.3	771.5	694.4	77.15	10.000		
14,600.0	10,043.8	14,181.8	10,175.8	42.2	37.0	99.60	-4,452.2	-1,763.1	771.3	692.5	78.80	9.789		
14,700.0	10,043.4	14,281.8	10,175.0	43.0	37.8	99.57	-4,552.2	-1,759.8	771.2	690.7	80.44	9.587		
14,800.0	10,042.9	14,381.8	10,174.1	43.8	38.6	99.54	-4,652.1	-1,756.6	771.0	688.9	82.09	9.392		
14,900.0	10,042.5	14,481.8	10,173.3	44.7	39.4	99.51	-4,752.0	-1,753.4	770.8	687.0	83.74	9.204		
15,000.0	10,042.0	14,581.8	10,172.4	45.5	40.2	99.49	-4,852.0	-1,750.1	770.6	685.2	85.40	9.024		
15,100.0	10,041.5	14,681.8	10,171.5	46.3	41.0	99.46	-4,951.9	-1,746.9	770.4	683.4	87.06	8.850		
15,127.3	10,041.4	14,707.6	10,171.3	46.6	41.2	99.45	-4,977.8	-1,746.0	770.4	682.9	87.49	8.805		
15,147.5	10,041.3	14,724.7	10,171.2	46.7	41.4	99.45	-4,994.8	-1,745.5	770.4	682.6	87.79	8.776		
15,200.0	10,041.1	14,766.2	10,170.8	47.2	41.7	99.44	-5,036.4	-1,744.7	770.5	682.0	88.51	8.706		
15,258.3	10,040.8	14,815.1	10,170.4	47.7	42.1	99.43	-5,085.2	-1,744.5	770.4	681.1	89.33	8.624		
15,300.0	10,040.6	14,856.8	10,170.0	48.0	42.4	99.42	-5,126.9	-1,744.6	770.1	680.0	90.02	8.554		

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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: BIG PAPI FEDERAL PROJECT (ATLAS 2629) - BIG PAPI FED COM #701H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9838-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
15,400.0	10,040.1	14,956.8	10,169.1	48.8	43.3	99.40	-5,226.9	-1,744.6	769.3	677.6	91.67	8.392		
15,500.0	10,039.7	15,056.8	10,168.2	49.7	44.1	99.38	-5,326.9	-1,744.7	768.6	675.2	93.33	8.235		
15,600.0	10,039.2	15,156.8	10,167.4	50.5	44.9	99.36	-5,426.9	-1,744.7	767.8	672.8	94.99	8.083		
15,700.0	10,038.7	15,256.8	10,166.5	51.3	45.7	99.33	-5,526.8	-1,744.8	767.1	670.4	96.65	7.936		
15,800.0	10,038.3	15,356.7	10,165.6	52.2	46.5	99.31	-5,626.8	-1,744.8	766.3	668.0	98.32	7.794		
15,900.0	10,037.8	15,456.7	10,164.7	53.0	47.4	99.29	-5,726.8	-1,744.9	765.5	665.6	99.98	7.657		
16,000.0	10,037.3	15,556.7	10,163.9	53.9	48.2	99.27	-5,826.8	-1,745.0	764.8	663.1	101.65	7.524		
16,100.0	10,036.9	15,656.7	10,163.0	54.7	49.0	99.25	-5,926.8	-1,745.0	764.0	660.7	103.32	7.395		
16,200.0	10,036.4	15,756.7	10,162.1	55.5	49.8	99.22	-6,026.8	-1,745.1	763.3	658.3	104.99	7.270		
16,300.0	10,035.9	15,856.7	10,161.2	56.4	50.6	99.20	-6,126.8	-1,745.1	762.5	655.9	106.66	7.149		
16,400.0	10,035.5	15,956.7	10,160.4	57.2	51.5	99.18	-6,226.8	-1,745.2	761.8	653.5	108.33	7.032		
16,500.0	10,035.0	16,056.7	10,159.5	58.1	52.3	99.16	-6,326.8	-1,745.2	761.0	651.0	110.01	6.918		
16,600.0	10,034.5	16,156.7	10,158.6	58.9	53.1	99.14	-6,426.8	-1,745.3	760.3	648.6	111.68	6.808		
16,700.0	10,034.1	16,256.7	10,157.7	59.7	54.0	99.11	-6,526.8	-1,745.3	759.5	646.2	113.36	6.700		
16,800.0	10,033.6	16,356.7	10,156.9	60.6	54.8	99.09	-6,626.8	-1,745.4	758.8	643.7	115.04	6.596		
16,900.0	10,033.1	16,456.7	10,156.0	61.4	55.6	99.07	-6,726.8	-1,745.5	758.0	641.3	116.71	6.495		
17,000.0	10,032.7	16,556.7	10,155.1	62.3	56.5	99.05	-6,826.8	-1,745.5	757.3	638.9	118.39	6.396		
17,100.0	10,032.2	16,656.7	10,154.2	63.1	57.3	99.02	-6,926.7	-1,745.6	756.5	636.4	120.07	6.300		
17,200.0	10,031.8	16,756.7	10,153.4	64.0	58.1	99.00	-7,026.7	-1,745.6	755.8	634.0	121.76	6.207		
17,300.0	10,031.3	16,856.7	10,152.5	64.8	59.0	98.98	-7,126.7	-1,745.7	755.0	631.6	123.44	6.117		
17,400.0	10,030.8	16,956.7	10,151.6	65.6	59.8	98.96	-7,226.7	-1,745.7	754.3	629.1	125.12	6.028		
17,500.0	10,030.4	17,056.7	10,150.7	66.5	60.6	98.93	-7,326.7	-1,745.8	753.5	626.7	126.81	5.942		
17,600.0	10,029.9	17,156.7	10,149.9	67.3	61.5	98.91	-7,426.7	-1,745.8	752.8	624.3	128.49	5.858		
17,700.0	10,029.4	17,256.7	10,149.0	68.2	62.3	98.89	-7,526.7	-1,745.9	752.0	621.8	130.18	5.777		
17,800.0	10,029.0	17,356.7	10,148.1	69.0	63.2	98.87	-7,626.7	-1,746.0	751.3	619.4	131.87	5.697		
17,840.9	10,028.8	17,391.9	10,147.8	69.4	63.5	98.86	-7,662.0	-1,746.1	751.1	618.6	132.47	5.670 CC		
17,900.0	10,028.5	17,446.1	10,147.3	69.9	63.9	98.84	-7,716.1	-1,746.8	751.4	618.0	133.38	5.634		
18,000.0	10,028.0	17,546.1	10,146.4	70.7	64.7	98.79	-7,816.1	-1,748.3	752.0	617.0	135.06	5.568		
18,100.0	10,027.6	17,646.1	10,145.5	71.6	65.6	98.75	-7,916.0	-1,749.8	752.7	615.9	136.75	5.504		
18,200.0	10,027.1	17,746.1	10,144.6	72.4	66.4	98.71	-8,016.0	-1,751.3	753.4	614.9	138.44	5.442		
18,300.0	10,026.6	17,846.1	10,143.7	73.3	67.3	98.67	-8,116.0	-1,752.8	754.0	613.9	140.13	5.381		
18,400.0	10,026.2	17,946.0	10,142.9	74.1	68.1	98.63	-8,216.0	-1,754.2	754.7	612.9	141.82	5.322		
18,500.0	10,025.7	18,046.0	10,142.0	75.0	68.9	98.59	-8,316.0	-1,755.7	755.4	611.8	143.51	5.263		
18,600.0	10,025.2	18,146.0	10,141.1	75.8	69.8	98.55	-8,415.9	-1,757.2	756.0	610.8	145.20	5.207		
18,700.0	10,024.8	18,246.0	10,140.2	76.7	70.6	98.51	-8,515.9	-1,758.7	756.7	609.8	146.89	5.151		
18,800.0	10,024.3	18,346.0	10,139.3	77.5	71.5	98.47	-8,615.9	-1,760.2	757.4	608.8	148.59	5.097		
18,900.0	10,023.8	18,446.0	10,138.4	78.4	72.3	98.43	-8,715.9	-1,761.7	758.0	607.7	150.28	5.044		
19,000.0	10,023.4	18,546.0	10,137.5	79.2	73.1	98.39	-8,815.9	-1,763.2	758.7	606.7	151.97	4.992		
19,100.0	10,022.9	18,646.0	10,136.6	80.0	74.0	98.35	-8,915.8	-1,764.7	759.4	605.7	153.67	4.942		
19,200.0	10,022.4	18,746.0	10,135.7	80.9	74.8	98.31	-9,015.8	-1,766.1	760.0	604.7	155.36	4.892		
19,300.0	10,022.0	18,846.0	10,134.8	81.7	75.7	98.27	-9,115.8	-1,767.6	760.7	603.6	157.06	4.843		
19,400.0	10,021.5	18,946.0	10,133.9	82.6	76.5	98.23	-9,215.8	-1,769.1	761.4	602.6	158.75	4.796		
19,500.0	10,021.1	19,046.0	10,133.0	83.4	77.3	98.19	-9,315.8	-1,770.6	762.0	601.6	160.45	4.749		
19,600.0	10,020.6	19,146.0	10,132.1	84.3	78.2	98.15	-9,415.8	-1,772.1	762.7	600.6	162.14	4.704		
19,700.0	10,020.1	19,246.0	10,131.2	85.1	79.0	98.11	-9,515.7	-1,773.6	763.4	599.5	163.84	4.659		
19,800.0	10,019.7	19,346.0	10,130.3	86.0	79.9	98.07	-9,615.7	-1,775.1	764.0	598.5	165.54	4.615		
19,900.0	10,019.2	19,446.0	10,129.4	86.8	80.7	98.03	-9,715.7	-1,776.6	764.7	597.5	167.23	4.573		
20,000.0	10,018.7	19,546.0	10,128.5	87.7	81.6	97.99	-9,815.7	-1,778.1	765.4	596.4	168.93	4.531		
20,100.0	10,018.3	19,646.0	10,127.7	88.5	82.4	97.95	-9,915.7	-1,779.5	766.0	595.4	170.63	4.489		
20,200.0	10,017.8	19,746.0	10,126.8	89.4	83.3	97.91	-10,015.6	-1,781.0	766.7	594.4	172.33	4.449		
20,300.0	10,017.3	19,831.7	10,126.0	90.3	84.0	97.88	-10,101.3	-1,782.3	767.5	593.8	173.74	4.418 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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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: BIG PAPI FEDERAL PROJECT (ATLAS 2629) - BIG PAPI FED COM #701H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9838-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Rule Assigned:		Distance		Minimum		Separation		Warning		
Measured	Vertical	Measured	Vertical	Reference	Offset	Highside	Offset Wellbore Centre		Between	Between	Separation	Factor		
Depth	Depth	Depth	Depth			Toolface	+N/-S	+E/-W	Centres	Ellipses	Separation			
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)			
20,400.0	10,016.9	19,831.7	10,126.0	91.1	84.0	97.88	-10,101.3	-1,782.3	776.5	604.5	171.97	4.515		
20,478.4	10,016.5	19,831.7	10,126.0	91.8	84.0	97.88	-10,101.3	-1,782.3	792.4	623.4	168.95	4.690		
20,483.2	10,016.5	19,831.7	10,126.0	91.8	84.0	97.88	-10,101.3	-1,782.3	793.6	624.9	168.72	4.704		
20,500.0	10,016.4	19,831.7	10,126.0	92.0	84.0	97.88	-10,101.3	-1,782.3	798.0	630.1	167.90	4.753		
20,600.0	10,015.9	19,831.7	10,126.0	92.8	84.0	97.88	-10,101.3	-1,782.3	830.9	668.9	162.07	5.127		
20,700.0	10,015.5	19,831.7	10,126.0	93.7	84.0	97.88	-10,101.3	-1,782.3	874.1	719.0	155.16	5.634		
20,800.0	10,015.0	19,831.7	10,126.0	94.5	84.0	97.88	-10,101.3	-1,782.3	926.1	778.4	147.76	6.268		
20,900.0	10,014.5	19,831.7	10,126.0	95.4	84.0	97.88	-10,101.3	-1,782.3	985.6	845.2	140.36	7.022		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.3	0.3	3.0	3.0	89.71		0.3	60.1	60.1				
100.0	100.0	100.3	100.3	3.0	3.0	89.71		0.3	60.1	60.1	54.1	6.00	10.016	
200.0	200.0	200.3	200.3	3.0	3.0	89.71		0.3	60.1	60.1	54.1	6.00	10.012	
300.0	300.0	300.3	300.3	3.0	3.0	89.71		0.3	60.1	60.1	54.1	6.01	10.002	
400.0	400.0	400.3	400.3	3.0	3.0	89.71		0.3	60.1	60.1	54.1	6.02	9.986	
500.0	500.0	500.3	500.3	3.1	3.1	89.71		0.3	60.1	60.1	54.1	6.03	9.965	
600.0	600.0	600.3	600.3	3.1	3.1	89.71		0.3	60.1	60.1	54.1	6.05	9.939	
700.0	700.0	700.3	700.3	3.1	3.1	89.71		0.3	60.1	60.1	54.0	6.07	9.908	
800.0	800.0	800.3	800.3	3.2	3.2	89.71		0.3	60.1	60.1	54.0	6.09	9.872	
900.0	900.0	900.3	900.3	3.2	3.2	89.71		0.3	60.1	60.1	54.0	6.11	9.832	
1,000.0	1,000.0	1,000.3	1,000.3	3.2	3.2	89.71		0.3	60.1	60.1	54.0	6.14	9.787	
1,100.0	1,100.0	1,100.3	1,100.3	3.3	3.3	89.71		0.3	60.1	60.1	53.9	6.17	9.737	
1,200.0	1,200.0	1,200.3	1,200.3	3.4	3.4	89.71		0.3	60.1	60.1	53.9	6.21	9.683	
1,300.0	1,300.0	1,300.3	1,300.3	3.4	3.4	89.71		0.3	60.1	60.1	53.9	6.24	9.625	
1,400.0	1,400.0	1,400.3	1,400.3	3.5	3.5	89.71		0.3	60.1	60.1	53.8	6.28	9.564	
1,500.0	1,500.0	1,500.3	1,500.3	3.5	3.5	89.71		0.3	60.1	60.1	53.8	6.33	9.499	
1,600.0	1,600.0	1,600.3	1,600.3	3.6	3.6	89.71		0.3	60.1	60.1	53.7	6.37	9.431	
1,700.0	1,700.0	1,700.3	1,700.3	3.7	3.7	89.71		0.3	60.1	60.1	53.7	6.42	9.360	
1,800.0	1,800.0	1,800.3	1,800.3	3.8	3.8	89.71		0.3	60.1	60.1	53.6	6.47	9.286	
1,900.0	1,900.0	1,900.3	1,900.3	3.9	3.9	89.71		0.3	60.1	60.1	53.6	6.53	9.210	
1,916.6	1,916.6	1,916.9	1,916.9	3.9	3.9	89.71		0.3	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	89.71		0.3	60.1	60.1	53.5	6.58	9.132 ES, SF	
2,100.0	2,100.0	2,098.2	2,098.2	4.0	4.0	167.09		0.8	61.7	63.5	56.8	6.64	9.557	
2,200.0	2,199.8	2,195.5	2,195.3	4.0	4.0	166.83		2.2	66.5	73.5	66.8	6.70	10.961	
2,300.0	2,299.5	2,291.5	2,291.0	4.1	4.1	166.52		4.6	74.3	90.0	83.3	6.77	13.301	
2,400.0	2,398.7	2,385.6	2,384.4	4.1	4.1	166.21		7.8	84.9	113.1	106.2	6.84	16.522	
2,500.0	2,497.5	2,480.9	2,478.8	4.2	4.2	166.05		11.6	97.6	141.3	134.4	6.93	20.385	
2,600.0	2,595.9	2,576.3	2,573.3	4.2	4.3	166.19		15.5	110.3	171.3	164.2	7.03	24.355	
2,700.0	2,694.4	2,671.8	2,667.8	4.3	4.3	166.28		19.3	123.0	201.2	194.1	7.14	28.185	
2,800.0	2,792.9	2,767.2	2,762.3	4.4	4.4	166.35		23.2	135.7	231.1	223.9	7.25	31.871	
2,900.0	2,891.4	2,862.6	2,856.8	4.4	4.4	166.41		27.0	148.4	261.1	253.7	7.37	35.412	
3,000.0	2,989.9	2,958.0	2,951.3	4.5	4.5	166.45		30.9	161.1	291.0	283.5	7.50	38.805	
3,100.0	3,088.3	3,053.4	3,045.8	4.6	4.6	166.49		34.7	173.8	320.9	313.3	7.63	42.051	
3,200.0	3,186.8	3,148.8	3,140.2	4.7	4.6	166.51		38.6	186.5	350.8	343.1	7.77	45.151	
3,300.0	3,285.3	3,244.2	3,234.7	4.7	4.7	166.54		42.4	199.2	380.8	372.9	7.91	48.108	
3,400.0	3,383.8	3,339.7	3,329.2	4.8	4.8	166.56		46.3	212.0	410.7	402.6	8.06	50.926	
3,500.0	3,482.3	3,435.1	3,423.7	4.9	4.9	166.58		50.1	224.7	440.6	432.4	8.22	53.606	
3,600.0	3,580.8	3,530.5	3,518.2	5.0	5.0	166.59		54.0	237.4	470.6	462.2	8.38	56.155	
3,700.0	3,679.2	3,625.9	3,612.7	5.1	5.0	166.61		57.8	250.1	500.5	491.9	8.54	58.577	
3,800.0	3,777.7	3,721.3	3,707.2	5.2	5.1	166.62		61.7	262.8	530.4	521.7	8.71	60.876	
3,900.0	3,876.2	3,816.7	3,801.7	5.3	5.2	166.63		65.5	275.5	560.4	551.5	8.89	63.058	
4,000.0	3,974.7	3,912.2	3,896.1	5.4	5.3	166.64		69.3	288.2	590.3	581.2	9.06	65.129	
4,100.0	4,073.2	4,007.6	3,990.6	5.5	5.4	166.65		73.2	300.9	620.2	611.0	9.24	67.092	
4,200.0	4,171.6	4,103.0	4,085.1	5.6	5.5	166.66		77.0	313.6	650.1	640.7	9.43	68.953	
4,300.0	4,270.1	4,198.4	4,179.6	5.7	5.6	166.66		80.9	326.3	680.1	670.5	9.62	70.718	
4,400.0	4,368.6	4,293.8	4,274.1	5.8	5.7	166.67		84.7	339.1	710.0	700.2	9.81	72.391	
4,500.0	4,467.1	4,389.2	4,368.6	5.9	5.8	166.68		88.6	351.8	739.9	729.9	10.00	73.977	
4,600.0	4,565.6	4,484.7	4,463.1	6.0	5.9	166.68		92.4	364.5	769.9	759.7	10.20	75.481	
4,700.0	4,664.0	4,580.1	4,557.6	6.1	6.0	166.69		96.3	377.2	799.8	789.4	10.40	76.906	
4,800.0	4,762.5	4,675.5	4,652.0	6.2	6.1	166.69		100.1	389.9	829.7	819.1	10.60	78.258	
4,900.0	4,861.0	4,770.9	4,746.5	6.3	6.2	166.70		104.0	402.6	859.7	848.8	10.81	79.540	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #703H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9730-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Offset Wellbore Centre		Rule Assigned:		Distance		Minimum Separation		Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Separation (usft)	Factor		
5,000.0	4,959.5	4,866.3	4,841.0	6.5	6.3	166.70	107.8	415.3	889.6	878.6	11.02	80.756		
5,100.0	5,058.0	4,961.7	4,935.5	6.6	6.4	166.71	111.7	428.0	919.5	908.3	11.23	81.910		
5,200.0	5,156.4	5,057.2	5,030.0	6.7	6.5	166.71	115.5	440.7	949.4	938.0	11.44	83.005		
5,300.0	5,254.9	5,152.6	5,124.5	6.8	6.6	166.71	119.4	453.4	979.4	967.7	11.65	84.044		

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1													Offset Site Error: 0.0 usft		
Survey Program: Reference		0-Standard Keeper 104, 9721-MWD+IFR1+FDIR		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		
0.0	0.0	0.1	0.1	3.0	3.0	89.81	0.1	30.0	30.0						
100.0	100.0	100.1	100.1	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.00	5.000			
200.0	200.0	200.1	200.1	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.00	4.997			
300.0	300.0	300.1	300.1	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.01	4.992			
400.0	400.0	400.1	400.1	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.02	4.985			
500.0	500.0	500.1	500.1	3.1	3.1	89.81	0.1	30.0	30.0	24.0	6.03	4.974			
600.0	600.0	600.1	600.1	3.1	3.1	89.81	0.1	30.0	30.0	24.0	6.05	4.961			
700.0	700.0	700.1	700.1	3.1	3.1	89.81	0.1	30.0	30.0	23.9	6.07	4.946			
800.0	800.0	800.1	800.1	3.2	3.2	89.81	0.1	30.0	30.0	23.9	6.09	4.928			
900.0	900.0	900.1	900.1	3.2	3.2	89.81	0.1	30.0	30.0	23.9	6.11	4.908			
1,000.0	1,000.0	1,000.1	1,000.1	3.2	3.2	89.81	0.1	30.0	30.0	23.9	6.14	4.885			
1,100.0	1,100.0	1,100.1	1,100.1	3.3	3.3	89.81	0.1	30.0	30.0	23.8	6.17	4.860			
1,200.0	1,200.0	1,200.1	1,200.1	3.4	3.4	89.81	0.1	30.0	30.0	23.8	6.21	4.834			
1,300.0	1,300.0	1,300.1	1,300.1	3.4	3.4	89.81	0.1	30.0	30.0	23.8	6.24	4.805			
1,400.0	1,400.0	1,400.1	1,400.1	3.5	3.5	89.81	0.1	30.0	30.0	23.7	6.28	4.774			
1,500.0	1,500.0	1,500.1	1,500.1	3.5	3.5	89.81	0.1	30.0	30.0	23.7	6.33	4.742			
1,600.0	1,600.0	1,600.1	1,600.1	3.6	3.6	89.81	0.1	30.0	30.0	23.6	6.37	4.708			
1,700.0	1,700.0	1,700.1	1,700.1	3.7	3.7	89.81	0.1	30.0	30.0	23.6	6.42	4.672			
1,800.0	1,800.0	1,800.1	1,800.1	3.8	3.8	89.81	0.1	30.0	30.0	23.5	6.47	4.635			
1,900.0	1,900.0	1,900.1	1,900.1	3.9	3.9	89.81	0.1	30.0	30.0	23.5	6.53	4.597			
2,000.0	2,000.0	2,000.1	2,000.1	3.9	3.9	89.81	0.1	30.0	30.0	23.4	6.58	4.558			
2,004.0	2,004.0	2,004.1	2,004.1	3.9	3.9	167.30	0.1	30.0	30.0	23.4	6.58	4.556	CC		
2,100.0	2,100.0	2,101.1	2,101.1	4.0	4.0	166.90	0.7	28.3	30.0	23.4	6.64	4.525	ES		
2,200.0	2,199.8	2,202.1	2,201.9	4.0	4.1	165.71	2.5	23.3	30.2	23.5	6.70	4.505			
2,300.0	2,299.5	2,303.1	2,302.5	4.1	4.1	163.75	5.4	14.9	30.4	23.7	6.76	4.504			
2,400.0	2,398.7	2,404.0	2,402.7	4.1	4.2	161.08	9.5	3.2	30.8	24.0	6.81	4.526			
2,500.0	2,497.5	2,504.0	2,501.7	4.2	4.2	159.38	14.2	-9.9	33.1	26.2	6.88	4.813			
2,600.0	2,595.9	2,603.9	2,600.6	4.2	4.3	158.92	18.8	-23.1	37.1	30.1	6.96	5.325			
2,700.0	2,694.4	2,703.8	2,699.6	4.3	4.3	158.56	23.4	-36.2	41.0	34.0	7.05	5.821			
2,800.0	2,792.9	2,803.7	2,798.5	4.4	4.4	158.25	28.0	-49.3	45.0	37.8	7.14	6.299			
2,900.0	2,891.4	2,903.7	2,897.5	4.4	4.5	158.00	32.6	-62.4	48.9	41.7	7.24	6.758			
3,000.0	2,989.9	3,003.6	2,996.4	4.5	4.6	157.79	37.2	-75.5	52.9	45.5	7.34	7.199			
3,100.0	3,088.3	3,103.5	3,095.4	4.6	4.6	157.60	41.8	-88.7	56.8	49.4	7.46	7.621			
3,200.0	3,186.8	3,203.4	3,194.3	4.7	4.7	157.44	46.5	-101.8	60.8	53.2	7.58	8.023			
3,300.0	3,285.3	3,303.3	3,293.3	4.7	4.8	157.30	51.1	-114.9	64.7	57.0	7.70	8.407			
3,400.0	3,383.8	3,403.3	3,392.2	4.8	4.9	157.17	55.7	-128.0	68.7	60.9	7.83	8.771			
3,500.0	3,482.3	3,503.2	3,491.2	4.9	5.0	157.06	60.3	-141.1	72.6	64.7	7.97	9.117			
3,600.0	3,580.8	3,603.1	3,590.1	5.0	5.1	156.96	64.9	-154.3	76.6	68.5	8.11	9.445			
3,700.0	3,679.2	3,703.0	3,689.1	5.1	5.1	156.87	69.5	-167.4	80.5	72.3	8.26	9.756			
3,800.0	3,777.7	3,803.0	3,788.0	5.2	5.2	156.79	74.1	-180.5	84.5	76.1	8.41	10.049			
3,900.0	3,876.2	3,902.9	3,886.9	5.3	5.3	156.71	78.8	-193.6	88.5	79.9	8.57	10.326			
4,000.0	3,974.7	4,002.8	3,985.9	5.4	5.4	156.64	83.4	-206.7	92.4	83.7	8.73	10.587			
4,100.0	4,073.2	4,102.7	4,084.8	5.5	5.5	156.58	88.0	-219.8	96.4	87.5	8.90	10.833			
4,200.0	4,171.6	4,202.6	4,183.8	5.6	5.6	156.52	92.6	-233.0	100.3	91.2	9.07	11.065			
4,300.0	4,270.1	4,302.6	4,282.7	5.7	5.7	156.47	97.2	-246.1	104.3	95.0	9.24	11.283			
4,400.0	4,368.6	4,402.5	4,381.7	5.8	5.8	156.42	101.8	-259.2	108.2	98.8	9.42	11.488			
4,500.0	4,467.1	4,502.4	4,480.6	5.9	5.9	156.38	106.4	-272.3	112.2	102.6	9.60	11.681			
4,600.0	4,565.6	4,602.3	4,579.6	6.0	6.0	156.33	111.1	-285.4	116.1	106.3	9.79	11.862			
4,700.0	4,664.0	4,702.2	4,678.5	6.1	6.1	156.29	115.7	-298.6	120.1	110.1	9.98	12.032			
4,800.0	4,762.5	4,802.2	4,777.5	6.2	6.2	156.25	120.3	-311.7	124.0	113.9	10.17	12.192			
4,900.0	4,861.0	4,902.1	4,876.4	6.3	6.4	156.22	124.9	-324.8	128.0	117.6	10.37	12.341			

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9721-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned:		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)			
5,000.0	4,959.5	5,002.0	4,975.4	6.5	6.5	156.19	129.5	-337.9	132.0	121.4	10.57	12.482	
5,100.0	5,058.0	5,101.9	5,074.3	6.6	6.6	156.16	134.1	-351.0	135.9	125.1	10.77	12.614	
5,200.0	5,156.4	5,201.9	5,173.3	6.7	6.7	156.13	138.8	-364.1	139.9	128.9	10.98	12.738	
5,300.0	5,254.9	5,301.8	5,272.2	6.8	6.8	156.10	143.4	-377.3	143.8	132.6	11.19	12.854	
5,400.0	5,353.4	5,401.7	5,371.2	6.9	6.9	156.07	148.0	-390.4	147.8	136.4	11.40	12.963	
5,500.0	5,451.9	5,501.6	5,470.1	7.0	7.0	156.05	152.6	-403.5	151.7	140.1	11.61	13.065	
5,600.0	5,550.4	5,601.5	5,569.1	7.2	7.1	156.02	157.2	-416.6	155.7	143.9	11.83	13.160	
5,700.0	5,648.9	5,701.5	5,668.0	7.3	7.2	156.00	161.8	-429.7	159.6	147.6	12.05	13.250	
5,800.0	5,747.3	5,801.4	5,767.0	7.4	7.4	155.98	166.4	-442.9	163.6	151.3	12.27	13.334	
5,900.0	5,845.8	5,901.3	5,865.9	7.6	7.5	155.96	171.1	-456.0	167.5	155.1	12.49	13.412	
6,000.0	5,944.3	6,001.2	5,964.9	7.7	7.6	155.94	175.7	-469.1	171.5	158.8	12.72	13.486	
6,100.0	6,042.8	6,101.2	6,063.8	7.8	7.7	155.92	180.3	-482.2	175.5	162.5	12.94	13.555	
6,200.0	6,141.3	6,201.1	6,162.8	7.9	7.8	155.90	184.9	-495.3	179.4	166.2	13.17	13.619	
6,300.0	6,239.7	6,301.0	6,261.7	8.1	8.0	155.89	189.5	-508.4	183.4	170.0	13.40	13.679	
6,400.0	6,338.2	6,400.9	6,360.7	8.2	8.1	155.87	194.1	-521.6	187.3	173.7	13.64	13.736	
6,500.0	6,436.7	6,500.8	6,459.6	8.4	8.2	155.86	198.7	-534.7	191.3	177.4	13.87	13.788	
6,600.0	6,535.2	6,600.8	6,558.6	8.5	8.3	155.84	203.4	-547.8	195.2	181.1	14.11	13.838	
6,700.0	6,633.7	6,700.7	6,657.5	8.6	8.4	155.83	208.0	-560.9	199.2	184.8	14.35	13.884	
6,800.0	6,732.1	6,800.6	6,756.5	8.8	8.6	155.81	212.6	-574.0	203.1	188.6	14.59	13.926	
6,900.0	6,830.6	6,900.5	6,855.4	8.9	8.7	155.80	217.2	-587.2	207.1	192.3	14.83	13.966	
7,000.0	6,929.1	7,000.4	6,954.4	9.1	8.8	155.79	221.8	-600.3	211.1	196.0	15.07	14.004	
7,100.0	7,027.6	7,100.4	7,053.3	9.2	8.9	155.77	226.4	-613.4	215.0	199.7	15.32	14.038	
7,200.0	7,126.1	7,200.3	7,152.3	9.4	9.1	155.76	231.0	-626.5	219.0	203.4	15.56	14.070	
7,300.0	7,224.5	7,300.2	7,251.2	9.5	9.2	155.75	235.7	-639.6	222.9	207.1	15.81	14.100	
7,400.0	7,323.0	7,400.1	7,350.2	9.7	9.3	155.74	240.3	-652.8	226.9	210.8	16.06	14.128	
7,500.0	7,421.5	7,500.1	7,449.1	9.8	9.5	155.73	244.9	-665.9	230.8	214.5	16.31	14.154	
7,600.0	7,520.0	7,599.3	7,547.4	10.0	9.6	155.72	249.5	-678.9	234.8	218.3	16.56	14.179	
7,700.0	7,618.5	7,695.8	7,643.1	10.1	9.7	155.85	253.5	-690.5	239.8	223.0	16.82	14.259	
7,800.0	7,716.9	7,792.0	7,738.8	10.3	9.8	156.17	257.1	-700.5	246.2	229.1	17.08	14.415	
7,900.0	7,815.4	7,888.1	7,834.4	10.5	9.9	156.66	260.1	-709.1	254.0	236.7	17.35	14.644	
8,000.0	7,913.9	7,983.9	7,929.9	10.6	10.0	157.29	262.6	-716.1	263.4	245.7	17.62	14.944	
8,100.0	8,012.4	8,079.3	8,025.1	10.8	10.2	158.04	264.5	-721.5	274.2	256.3	17.90	15.313	
8,200.0	8,110.9	8,174.3	8,120.1	11.0	10.3	158.88	265.9	-725.5	286.5	268.3	18.19	15.750	
8,300.0	8,209.4	8,269.0	8,214.7	11.1	10.4	159.78	266.7	-728.0	300.3	281.9	18.49	16.246	
8,400.0	8,307.8	8,363.1	8,308.8	11.3	10.4	160.73	267.1	-729.0	315.7	297.0	18.77	16.819	
8,500.0	8,406.3	8,460.7	8,406.4	11.5	10.5	161.71	267.1	-729.0	332.2	313.2	18.99	17.489	
8,525.9	8,431.8	8,486.2	8,431.9	11.5	10.6	161.95	267.1	-729.0	336.4	317.4	19.05	17.665	
8,600.0	8,504.9	8,559.3	8,505.0	11.7	10.6	162.62	267.1	-729.0	348.3	329.1	19.20	18.142	
8,700.0	8,603.7	8,658.1	8,603.8	11.8	10.7	163.38	267.1	-729.0	362.8	343.5	19.40	18.707	
8,800.0	8,702.8	8,757.2	8,702.9	12.0	10.8	164.00	267.1	-729.0	375.8	356.2	19.59	19.185	
8,900.0	8,802.1	8,856.5	8,802.2	12.1	10.9	164.51	267.1	-729.0	387.1	367.4	19.78	19.576	
9,000.0	8,901.6	8,956.0	8,901.7	12.3	11.0	164.92	267.1	-729.0	396.8	376.9	19.96	19.881	
9,100.0	9,001.2	9,055.7	9,001.3	12.4	11.1	165.25	267.1	-729.0	404.9	384.7	20.14	20.103	
9,200.0	9,101.0	9,155.4	9,101.1	12.5	11.2	165.50	267.1	-729.0	411.2	390.9	20.31	20.244	
9,300.0	9,200.9	9,255.3	9,201.0	12.6	11.3	165.68	267.1	-729.0	415.9	395.4	20.48	20.305	
9,400.0	9,300.9	9,355.3	9,301.0	12.6	11.5	165.79	267.1	-729.0	418.8	398.2	20.64	20.289	
9,500.0	9,400.8	9,455.3	9,400.9	12.7	11.6	165.83	267.1	-729.0	420.1	399.3	20.80	20.195	
9,525.9	9,426.8	9,481.2	9,426.9	12.7	11.6	88.35	267.1	-729.0	420.2	399.3	20.83	20.167	
9,589.2	9,490.0	9,544.4	9,490.1	12.7	11.6	88.35	267.1	-729.0	420.2	399.3	20.89	20.117	
9,600.0	9,500.8	9,555.3	9,500.9	12.7	11.7	-89.88	267.1	-729.0	420.2	399.3	20.90	20.108	
9,623.1	9,523.9	9,578.3	9,524.0	12.8	11.7	-90.00	267.1	-729.0	420.2	399.3	20.90	20.101	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9721-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
9,650.0	9,550.7	9,605.1	9,550.8	12.9	11.7	-90.30	267.1	-729.0	420.2	399.3	20.90	20.102	
9,700.0	9,600.2	9,654.6	9,600.3	12.9	11.8	-91.30	267.1	-729.0	420.3	399.4	20.86	20.144	
9,750.0	9,648.7	9,703.2	9,648.8	13.0	11.8	-92.81	267.1	-729.0	420.7	399.9	20.80	20.230	
9,800.0	9,696.1	9,750.5	9,696.2	13.0	11.8	-94.74	267.1	-729.0	421.8	401.1	20.70	20.378	
9,850.0	9,741.9	9,796.6	9,742.2	13.0	11.9	-97.00	267.1	-729.0	424.1	403.5	20.59	20.591	
9,900.0	9,785.8	9,847.7	9,793.3	13.0	11.9	-99.63	264.6	-728.9	427.6	407.0	20.54	20.820	
9,950.0	9,827.5	9,901.2	9,846.2	13.1	11.9	-102.22	257.2	-728.7	432.1	411.5	20.56	21.020	
10,000.0	9,866.5	9,957.4	9,900.9	13.1	11.9	-104.77	244.1	-728.3	437.5	416.8	20.68	21.153	
10,050.0	9,902.7	10,016.6	9,956.8	13.2	11.9	-107.24	224.6	-727.7	443.7	422.7	20.96	21.171	
10,100.0	9,935.8	10,079.3	10,013.4	13.2	12.0	-109.63	197.8	-726.8	450.4	429.0	21.41	21.034	
10,150.0	9,965.5	10,145.6	10,069.7	13.3	12.0	-111.91	162.9	-725.8	457.5	435.4	22.08	20.717	
10,200.0	9,991.5	10,215.8	10,124.5	13.4	12.1	-114.03	119.1	-724.4	464.5	441.5	22.97	20.224	
10,250.0	10,013.8	10,290.1	10,176.3	13.4	12.2	-115.95	65.8	-722.7	471.2	447.1	24.05	19.594	
10,300.0	10,032.0	10,368.5	10,222.8	13.5	12.3	-117.63	2.9	-720.8	477.2	452.0	25.27	18.884	
10,350.0	10,046.1	10,450.6	10,262.0	13.5	12.4	-119.00	-69.2	-718.5	482.3	455.7	26.55	18.164	
10,400.0	10,056.0	10,535.9	10,291.3	13.6	12.5	-120.01	-149.1	-716.1	486.0	458.3	27.79	17.493	
10,450.0	10,061.6	10,623.4	10,308.7	13.6	12.6	-120.60	-234.8	-713.4	488.3	459.4	28.86	16.917	
10,491.8	10,063.0	10,697.4	10,313.0	13.7	12.7	-120.76	-308.6	-711.1	488.9	459.3	29.58	16.528	
10,500.0	10,062.9	10,705.5	10,313.0	13.7	12.8	-120.76	-316.6	-710.9	488.9	459.2	29.62	16.503	
10,600.0	10,062.4	10,805.5	10,312.5	13.7	12.9	-120.76	-416.6	-707.8	488.9	458.6	30.22	16.175	
10,700.0	10,062.0	10,905.5	10,312.1	13.9	13.2	-120.76	-516.5	-704.6	488.8	457.9	30.90	15.819	
10,800.0	10,061.5	11,005.5	10,311.6	14.1	13.5	-120.76	-616.5	-701.5	488.8	457.2	31.66	15.442	
10,900.0	10,061.1	11,105.5	10,311.1	14.4	13.9	-120.76	-716.4	-698.4	488.8	456.3	32.48	15.050	
11,000.0	10,060.6	11,205.5	10,310.7	14.9	14.4	-120.76	-816.4	-695.3	488.8	455.4	33.37	14.649	
11,100.0	10,060.1	11,305.5	10,310.2	15.4	14.9	-120.76	-916.3	-692.2	488.8	454.5	34.32	14.244	
11,200.0	10,059.7	11,405.5	10,309.7	16.0	15.5	-120.76	-1,016.3	-689.1	488.8	453.5	35.32	13.839	
11,300.0	10,059.2	11,505.5	10,309.3	16.6	16.1	-120.76	-1,116.2	-686.0	488.8	452.4	36.37	13.438	
11,400.0	10,058.7	11,605.5	10,308.8	17.2	16.7	-120.76	-1,216.2	-682.9	488.8	451.3	37.47	13.043	
11,500.0	10,058.3	11,705.5	10,308.3	17.9	17.4	-120.76	-1,316.1	-679.8	488.7	450.1	38.61	12.657	
11,600.0	10,057.8	11,805.5	10,307.9	18.6	18.1	-120.76	-1,416.1	-676.7	488.7	448.9	39.79	12.282	
11,700.0	10,057.3	11,905.5	10,307.4	19.3	18.8	-120.76	-1,516.1	-673.6	488.7	447.7	41.01	11.918	
11,800.0	10,056.9	12,005.5	10,306.9	20.0	19.5	-120.76	-1,616.0	-670.5	488.7	446.5	42.25	11.566	
11,900.0	10,056.4	12,105.5	10,306.5	20.7	20.2	-120.76	-1,716.0	-667.4	488.7	445.2	43.53	11.226	
12,000.0	10,055.9	12,205.5	10,306.0	21.4	21.0	-120.76	-1,815.9	-664.3	488.7	443.9	44.83	10.900	
12,100.0	10,055.5	12,305.5	10,305.5	22.2	21.7	-120.76	-1,915.9	-661.2	488.7	442.5	46.16	10.586	
12,200.0	10,055.0	12,405.5	10,305.1	22.9	22.5	-120.77	-2,015.8	-658.1	488.7	441.2	47.51	10.285	
12,300.0	10,054.5	12,505.5	10,304.6	23.7	23.2	-120.77	-2,115.8	-655.0	488.7	439.8	48.88	9.996	
12,400.0	10,054.1	12,605.5	10,304.1	24.4	24.0	-120.77	-2,215.7	-651.8	488.6	438.4	50.27	9.720	
12,500.0	10,053.6	12,705.5	10,303.7	25.2	24.8	-120.77	-2,315.7	-648.7	488.6	436.9	51.68	9.455	
12,600.0	10,053.1	12,805.5	10,303.2	26.0	25.6	-120.77	-2,415.6	-645.6	488.6	435.5	53.10	9.201	
12,700.0	10,052.7	12,905.5	10,302.7	26.7	26.4	-120.77	-2,515.6	-642.5	488.6	434.1	54.54	8.959	
12,800.0	10,052.2	13,005.5	10,302.3	27.5	27.1	-120.77	-2,615.5	-639.4	488.6	432.6	55.99	8.726	
12,900.0	10,051.8	13,105.5	10,301.8	28.3	27.9	-120.77	-2,715.5	-636.3	488.6	431.1	57.46	8.504	
13,000.0	10,051.3	13,205.5	10,301.3	29.1	28.7	-120.77	-2,815.4	-633.2	488.6	429.6	58.93	8.290	
13,100.0	10,050.8	13,305.5	10,300.9	29.9	29.6	-120.77	-2,915.4	-630.1	488.6	428.1	60.42	8.086	
13,200.0	10,050.4	13,405.5	10,300.4	30.7	30.4	-120.77	-3,015.3	-627.0	488.5	426.6	61.92	7.891	
13,300.0	10,049.9	13,505.5	10,299.9	31.5	31.2	-120.77	-3,115.3	-623.9	488.5	425.1	63.42	7.703	
13,400.0	10,049.4	13,605.5	10,299.5	32.3	32.0	-120.77	-3,215.2	-620.8	488.5	423.6	64.94	7.523	
13,500.0	10,049.0	13,705.5	10,299.0	33.1	32.8	-120.77	-3,315.2	-617.7	488.5	422.1	66.46	7.351	
13,600.0	10,048.5	13,805.5	10,298.5	33.9	33.6	-120.77	-3,415.1	-614.6	488.5	420.5	67.99	7.185	
13,700.0	10,048.0	13,905.5	10,298.1	34.8	34.4	-120.77	-3,515.1	-611.5	488.5	419.0	69.53	7.026	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1											Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9721-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	Minimum	
(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Separation	
										Ellipses	Factor	
										(usft)		
13,800.0	10,047.6	14,005.5	10,297.6	35.6	35.3	-120.77	-120.77	-3,615.0	-608.4	488.5	417.4	6.873
13,900.0	10,047.1	14,105.5	10,297.1	36.4	36.1	-120.77	-120.77	-3,715.0	-605.3	488.5	415.8	6.726
14,000.0	10,046.6	14,205.5	10,296.7	37.2	36.9	-120.77	-120.77	-3,814.9	-602.2	488.5	414.3	6.585
14,100.0	10,046.2	14,305.5	10,296.2	38.0	37.8	-120.77	-120.77	-3,914.9	-599.0	488.4	412.7	6.449
14,200.0	10,045.7	14,405.5	10,295.7	38.9	38.6	-120.78	-120.78	-4,014.8	-595.9	488.4	411.1	6.318
14,300.0	10,045.2	14,505.5	10,295.3	39.7	39.4	-120.78	-120.78	-4,114.8	-592.8	488.4	409.5	6.192
14,400.0	10,044.8	14,605.5	10,294.8	40.5	40.2	-120.78	-120.78	-4,214.7	-589.7	488.4	408.0	6.071
14,500.0	10,044.3	14,705.5	10,294.3	41.3	41.1	-120.78	-120.78	-4,314.7	-586.6	488.4	406.4	5.954
14,600.0	10,043.8	14,805.5	10,293.8	42.2	41.9	-120.78	-120.78	-4,414.6	-583.5	488.4	404.8	5.841
14,700.0	10,043.4	14,905.5	10,293.4	43.0	42.8	-120.78	-120.78	-4,514.6	-580.4	488.4	403.2	5.732
14,800.0	10,042.9	15,005.5	10,292.9	43.8	43.6	-120.78	-120.78	-4,614.5	-577.3	488.4	401.6	5.627
14,900.0	10,042.5	15,105.5	10,292.4	44.7	44.4	-120.78	-120.78	-4,714.5	-574.2	488.3	400.0	5.525
15,000.0	10,042.0	15,205.5	10,292.0	45.5	45.3	-120.78	-120.78	-4,814.4	-571.1	488.3	398.3	5.427
15,100.0	10,041.5	15,305.5	10,291.5	46.3	46.1	-120.78	-120.78	-4,914.4	-568.0	488.3	396.7	5.332
15,147.5	10,041.3	15,352.9	10,291.3	46.7	46.5	-120.78	-120.78	-4,961.8	-566.5	488.3	396.0	5.288
15,147.8	10,041.3	15,353.3	10,291.3	46.7	46.5	-120.78	-120.78	-4,962.2	-566.5	488.3	396.0	5.288
15,200.0	10,041.1	15,411.2	10,291.0	47.2	47.0	-120.76	-120.76	-5,020.1	-565.0	488.5	395.3	5.238
15,258.3	10,040.8	15,479.6	10,290.7	47.7	47.6	-120.74	-120.74	-5,088.4	-564.6	488.7	394.4	5.181
15,300.0	10,040.6	15,521.7	10,290.5	48.0	47.9	-120.74	-120.74	-5,130.5	-564.9	488.7	393.7	5.145
15,400.0	10,040.1	15,621.7	10,290.0	48.8	48.8	-120.74	-120.74	-5,230.5	-565.7	488.7	392.1	5.059
15,500.0	10,039.7	15,721.7	10,289.6	49.7	49.6	-120.74	-120.74	-5,330.5	-566.4	488.7	390.5	4.977
15,600.0	10,039.2	15,821.7	10,289.1	50.5	50.4	-120.74	-120.74	-5,430.5	-567.2	488.7	388.9	4.897
15,700.0	10,038.7	15,921.7	10,288.6	51.3	51.3	-120.74	-120.74	-5,530.5	-567.9	488.7	387.3	4.819
15,800.0	10,038.3	16,021.7	10,288.2	52.2	52.1	-120.74	-120.74	-5,630.5	-568.7	488.7	385.7	4.744
15,900.0	10,037.8	16,121.7	10,287.7	53.0	53.0	-120.74	-120.74	-5,730.5	-569.4	488.7	384.0	4.671
16,000.0	10,037.3	16,221.7	10,287.2	53.9	53.8	-120.74	-120.74	-5,830.5	-570.2	488.7	382.4	4.600
16,100.0	10,036.9	16,321.7	10,286.8	54.7	54.6	-120.74	-120.74	-5,930.5	-570.9	488.7	380.8	4.531
16,200.0	10,036.4	16,421.7	10,286.3	55.5	55.5	-120.74	-120.74	-6,030.5	-571.7	488.7	379.2	4.464
16,300.0	10,035.9	16,521.7	10,285.8	56.4	56.3	-120.74	-120.74	-6,130.5	-572.4	488.7	377.6	4.399
16,400.0	10,035.5	16,621.7	10,285.4	57.2	57.2	-120.74	-120.74	-6,230.5	-573.2	488.7	376.0	4.335
16,500.0	10,035.0	16,721.7	10,284.9	58.1	58.0	-120.74	-120.74	-6,330.5	-573.9	488.7	374.3	4.274
16,600.0	10,034.5	16,821.7	10,284.5	58.9	58.9	-120.74	-120.74	-6,430.5	-574.7	488.7	372.7	4.214
16,700.0	10,034.1	16,921.7	10,284.0	59.7	59.7	-120.74	-120.74	-6,530.5	-575.4	488.7	371.1	4.156
16,800.0	10,033.6	17,021.7	10,283.5	60.6	60.5	-120.74	-120.74	-6,630.5	-576.2	488.7	369.5	4.099
16,900.0	10,033.1	17,121.7	10,283.1	61.4	61.4	-120.74	-120.74	-6,730.4	-576.9	488.7	367.8	4.044
17,000.0	10,032.7	17,221.7	10,282.6	62.3	62.2	-120.74	-120.74	-6,830.4	-577.7	488.7	366.2	3.990
17,100.0	10,032.2	17,321.7	10,282.1	63.1	63.1	-120.74	-120.74	-6,930.4	-578.4	488.7	364.6	3.937
17,200.0	10,031.8	17,421.7	10,281.7	64.0	63.9	-120.74	-120.74	-7,030.4	-579.2	488.7	362.9	3.886
17,300.0	10,031.3	17,521.7	10,281.2	64.8	64.8	-120.74	-120.74	-7,130.4	-579.9	488.7	361.3	3.837
17,400.0	10,030.8	17,621.7	10,280.7	65.6	65.6	-120.74	-120.74	-7,230.4	-580.7	488.7	359.7	3.788
17,500.0	10,030.4	17,721.7	10,280.3	66.5	66.5	-120.74	-120.74	-7,330.4	-581.4	488.7	358.0	3.740
17,600.0	10,029.9	17,821.7	10,279.8	67.3	67.3	-120.74	-120.74	-7,430.4	-582.2	488.7	356.4	3.694
17,700.0	10,029.4	17,921.7	10,279.3	68.2	68.2	-120.74	-120.74	-7,530.4	-582.9	488.7	354.8	3.649
17,800.0	10,029.0	18,021.7	10,278.9	69.0	69.0	-120.74	-120.74	-7,630.4	-583.7	488.7	353.1	3.605
17,900.0	10,028.5	18,121.7	10,278.4	69.9	69.9	-120.74	-120.74	-7,730.4	-584.4	488.7	351.5	3.562
18,000.0	10,028.0	18,221.7	10,277.9	70.7	70.7	-120.74	-120.74	-7,830.4	-585.2	488.7	349.8	3.520
18,100.0	10,027.6	18,321.7	10,277.5	71.6	71.6	-120.74	-120.74	-7,930.4	-585.9	488.7	348.2	3.479
18,200.0	10,027.1	18,421.7	10,277.0	72.4	72.4	-120.74	-120.74	-8,030.4	-586.7	488.7	346.5	3.438
18,300.0	10,026.6	18,521.7	10,276.5	73.3	73.3	-120.74	-120.74	-8,130.4	-587.4	488.7	344.9	3.399
18,400.0	10,026.2	18,621.7	10,276.1	74.1	74.1	-120.74	-120.74	-8,230.4	-588.2	488.7	343.3	3.361
18,500.0	10,025.7	18,721.7	10,275.6	75.0	75.0	-120.74	-120.74	-8,330.4	-588.9	488.7	341.6	3.323

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9721-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning	
							+N/-S (usft)	+E/-W (usft)						
18,600.0	10,025.2	18,821.7	10,275.1	75.8	75.8	-120.74	-8,430.4	-589.7	488.7	340.0	148.70	3.286		
18,700.0	10,024.8	18,921.7	10,274.7	76.7	76.7	-120.74	-8,530.4	-590.4	488.7	338.3	150.35	3.250		
18,800.0	10,024.3	19,021.7	10,274.2	77.5	77.5	-120.74	-8,630.4	-591.2	488.7	336.7	152.00	3.215		
18,900.0	10,023.8	19,121.7	10,273.8	78.4	78.4	-120.74	-8,730.4	-591.9	488.7	335.0	153.65	3.181		
19,000.0	10,023.4	19,221.7	10,273.3	79.2	79.2	-120.74	-8,830.4	-592.7	488.7	333.4	155.29	3.147		
19,100.0	10,022.9	19,321.7	10,272.8	80.0	80.1	-120.74	-8,930.4	-593.5	488.7	331.7	156.94	3.114		
19,200.0	10,022.4	19,421.7	10,272.4	80.9	80.9	-120.74	-9,030.4	-594.2	488.7	330.1	158.59	3.081		
19,300.0	10,022.0	19,521.7	10,271.9	81.7	81.8	-120.74	-9,130.4	-595.0	488.7	328.4	160.24	3.050		
19,400.0	10,021.5	19,621.7	10,271.4	82.6	82.6	-120.74	-9,230.4	-595.7	488.7	326.8	161.89	3.018		
19,500.0	10,021.1	19,721.7	10,271.0	83.4	83.5	-120.74	-9,330.3	-596.5	488.7	325.1	163.54	2.988		
19,600.0	10,020.6	19,821.7	10,270.5	84.3	84.3	-120.74	-9,430.3	-597.2	488.7	323.5	165.20	2.958		
19,700.0	10,020.1	19,921.7	10,270.0	85.1	85.2	-120.74	-9,530.3	-598.0	488.7	321.8	166.85	2.929		
19,800.0	10,019.7	20,021.7	10,269.6	86.0	86.0	-120.74	-9,630.3	-598.7	488.7	320.2	168.50	2.900		
19,900.0	10,019.2	20,121.7	10,269.1	86.8	86.9	-120.74	-9,730.3	-599.5	488.7	318.5	170.16	2.872		
20,000.0	10,018.7	20,221.7	10,268.6	87.7	87.7	-120.74	-9,830.3	-600.2	488.7	316.9	171.81	2.844		
20,100.0	10,018.3	20,321.7	10,268.2	88.5	88.6	-120.74	-9,930.3	-601.0	488.7	315.2	173.46	2.817		
20,200.0	10,017.8	20,421.7	10,267.7	89.4	89.4	-120.74	-10,030.3	-601.7	488.7	313.6	175.12	2.791		
20,300.0	10,017.3	20,521.7	10,267.2	90.3	90.3	-120.74	-10,130.3	-602.5	488.7	311.9	176.77	2.764		
20,400.0	10,016.9	20,621.7	10,266.8	91.1	91.1	-120.74	-10,230.3	-603.2	488.7	310.2	178.43	2.739		
20,478.4	10,016.5	20,700.1	10,266.4	91.8	91.8	-120.74	-10,308.7	-603.8	488.7	308.9	179.73	2.719		
20,483.2	10,016.5	20,705.4	10,266.4	91.8	91.8	-120.74	-10,314.1	-603.8	488.7	308.9	179.81	2.718		
20,500.0	10,016.4	20,722.4	10,266.3	92.0	92.0	-120.74	-10,331.0	-604.0	488.7	308.6	180.09	2.714		
20,600.0	10,015.9	20,822.4	10,265.8	92.8	92.8	-120.74	-10,431.0	-604.9	488.7	306.9	181.75	2.689		
20,700.0	10,015.5	20,922.4	10,265.4	93.7	93.7	-120.74	-10,531.0	-605.8	488.7	305.3	183.40	2.665		
20,800.0	10,015.0	21,022.4	10,264.9	94.5	94.5	-120.74	-10,631.0	-606.8	488.7	303.6	185.06	2.641		
20,900.0	10,014.5	21,122.4	10,264.4	95.4	95.4	-120.74	-10,731.0	-607.7	488.7	302.0	186.72	2.617		
21,000.0	10,014.1	21,222.4	10,264.0	96.2	96.2	-120.75	-10,831.0	-608.6	488.7	300.3	188.37	2.594		
21,100.0	10,013.6	21,322.4	10,263.5	97.1	97.1	-120.75	-10,931.0	-609.5	488.7	298.6	190.03	2.572		
21,200.0	10,013.1	21,422.4	10,263.1	97.9	98.0	-120.75	-11,031.0	-610.4	488.7	297.0	191.69	2.549		
21,300.0	10,012.7	21,522.4	10,262.6	98.8	98.8	-120.75	-11,131.0	-611.4	488.7	295.3	193.35	2.527		
21,400.0	10,012.2	21,622.4	10,262.1	99.6	99.7	-120.75	-11,231.0	-612.3	488.7	293.7	195.01	2.506		
21,500.0	10,011.7	21,722.4	10,261.7	100.5	100.5	-120.75	-11,331.0	-613.2	488.7	292.0	196.67	2.485		
21,600.0	10,011.3	21,822.4	10,261.2	101.3	101.4	-120.75	-11,431.0	-614.1	488.7	290.4	198.33	2.464		
21,700.0	10,010.8	21,922.4	10,260.7	102.2	102.2	-120.75	-11,531.0	-615.0	488.7	288.7	199.99	2.444		
21,800.0	10,010.3	22,022.4	10,260.3	103.0	103.1	-120.75	-11,630.9	-616.0	488.7	287.0	201.65	2.424		
21,900.0	10,009.9	22,122.4	10,259.8	103.9	103.9	-120.75	-11,730.9	-616.9	488.7	285.4	203.31	2.404		
22,000.0	10,009.4	22,222.4	10,259.3	104.7	104.8	-120.75	-11,830.9	-617.8	488.7	283.7	204.97	2.384		
22,100.0	10,008.9	22,322.4	10,258.9	105.6	105.6	-120.75	-11,930.9	-618.7	488.7	282.1	206.63	2.365		
22,200.0	10,008.5	22,422.4	10,258.4	106.4	106.5	-120.75	-12,030.9	-619.6	488.7	280.4	208.29	2.346		
22,300.0	10,008.0	22,522.4	10,257.9	107.3	107.3	-120.75	-12,130.9	-620.6	488.7	278.7	209.95	2.328		
22,400.0	10,007.5	22,622.4	10,257.5	108.1	108.2	-120.75	-12,230.9	-621.5	488.7	277.1	211.61	2.309		
22,500.0	10,007.0	22,722.4	10,257.0	109.0	109.0	-120.75	-12,330.9	-622.4	488.7	275.4	213.27	2.291		
22,600.0	10,006.6	22,822.4	10,256.6	109.8	109.9	-120.75	-12,430.9	-623.3	488.7	273.8	214.94	2.274		
22,700.0	10,006.1	22,922.4	10,256.1	110.7	110.8	-120.75	-12,530.9	-624.3	488.7	272.1	216.60	2.256		
22,800.0	10,005.6	23,022.4	10,255.6	111.6	111.6	-120.75	-12,630.9	-625.2	488.7	270.4	218.26	2.239		
22,900.0	10,005.2	23,122.4	10,255.2	112.4	112.5	-120.75	-12,730.9	-626.1	488.7	268.8	219.92	2.222		
23,000.0	10,004.7	23,222.4	10,254.7	113.3	113.3	-120.75	-12,830.9	-627.0	488.7	267.1	221.59	2.205		
23,100.0	10,004.2	23,322.4	10,254.2	114.1	114.2	-120.75	-12,930.9	-627.9	488.7	265.5	223.25	2.189		
23,200.0	10,003.8	23,422.4	10,253.8	115.0	115.0	-120.75	-13,030.9	-628.9	488.7	263.8	224.91	2.173		
23,300.0	10,003.3	23,522.4	10,253.3	115.8	115.9	-120.75	-13,130.9	-629.8	488.7	262.1	226.58	2.157		
23,400.0	10,002.8	23,622.4	10,252.8	116.7	116.7	-120.75	-13,230.9	-630.7	488.7	260.5	228.24	2.141		

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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 #704H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9721-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning
Measured	Depth	Measured	Depth	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor		
Depth	(usft)	Depth	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)			
									(usft)	(usft)				
23,500.0	10,002.4	23,722.4	10,252.4	117.5	117.6	-120.75	-13,330.9	-631.6	488.7	258.8	229.90	2.126		
23,600.0	10,001.9	23,822.4	10,251.9	118.4	118.4	-120.75	-13,430.9	-632.5	488.7	257.1	231.57	2.110		
23,700.0	10,001.4	23,922.4	10,251.4	119.2	119.3	-120.76	-13,530.8	-633.5	488.7	255.5	233.23	2.095		
23,800.0	10,001.0	24,022.4	10,251.0	120.1	120.1	-120.76	-13,630.8	-634.4	488.7	253.8	234.90	2.081		
23,900.0	10,000.5	24,122.4	10,250.5	120.9	121.0	-120.76	-13,730.8	-635.3	488.7	252.1	236.56	2.066		
24,000.0	10,000.0	24,222.4	10,250.1	121.8	121.9	-120.76	-13,830.8	-636.2	488.7	250.5	238.23	2.051		
24,100.0	9,999.6	24,322.4	10,249.6	122.7	122.7	-120.76	-13,930.8	-637.1	488.7	248.8	239.89	2.037		
24,200.0	9,999.1	24,422.4	10,249.1	123.5	123.6	-120.76	-14,030.8	-638.1	488.7	247.2	241.56	2.023		
24,300.0	9,998.6	24,522.4	10,248.7	124.4	124.4	-120.76	-14,130.8	-639.0	488.7	245.5	243.22	2.009		
24,400.0	9,998.2	24,622.4	10,248.2	125.2	125.3	-120.76	-14,230.8	-639.9	488.7	243.8	244.89	1.996 Advise and Monitor		
24,500.0	9,997.7	24,722.4	10,247.7	126.1	126.1	-120.76	-14,330.8	-640.8	488.7	242.2	246.55	1.982 Advise and Monitor		
24,600.0	9,997.2	24,822.4	10,247.3	126.9	127.0	-120.76	-14,430.8	-641.7	488.7	240.5	248.22	1.969 Advise and Monitor		
24,700.0	9,996.8	24,922.4	10,246.8	127.8	127.8	-120.76	-14,530.8	-642.7	488.7	238.8	249.89	1.956 Advise and Monitor		
24,800.0	9,996.3	25,022.4	10,246.3	128.6	128.7	-120.76	-14,630.8	-643.6	488.7	237.2	251.55	1.943 Advise and Monitor		
24,900.0	9,995.8	25,122.4	10,245.9	129.5	129.6	-120.76	-14,730.8	-644.5	488.7	235.5	253.22	1.930 Advise and Monitor		
25,000.0	9,995.4	25,222.4	10,245.4	130.3	130.4	-120.76	-14,830.8	-645.4	488.7	233.8	254.89	1.917 Advise and Monitor		
25,100.0	9,994.9	25,322.4	10,244.9	131.2	131.3	-120.76	-14,930.8	-646.3	488.7	232.2	256.55	1.905 Advise and Monitor		
25,200.0	9,994.4	25,422.4	10,244.5	132.1	132.1	-120.76	-15,030.8	-647.3	488.7	230.5	258.22	1.893 Advise and Monitor		
25,300.0	9,994.0	25,522.4	10,244.0	132.9	133.0	-120.76	-15,130.8	-648.2	488.7	228.8	259.89	1.881 Advise and Monitor		
25,400.0	9,993.5	25,622.4	10,243.6	133.8	133.8	-120.76	-15,230.8	-649.1	488.7	227.2	261.55	1.869 Advise and Monitor		
25,505.0	9,993.0	25,727.3	10,243.1	134.7	134.7	-120.76	-15,335.7	-650.1	488.7	225.4	263.30	1.856 Advise and Monitor, SF		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.1	0.1	3.0	3.0	126.07	-44.8	61.5	76.1				
100.0	100.0	100.1	100.1	3.0	3.0	126.07	-44.8	61.5	76.1	70.1	6.00	12.680	
200.0	200.0	200.1	200.1	3.0	3.0	126.07	-44.8	61.5	76.1	70.1	6.01	12.669	
300.0	300.0	300.1	300.1	3.0	3.0	126.07	-44.8	61.5	76.1	70.1	6.02	12.645	
400.0	400.0	400.1	400.1	3.0	3.0	126.07	-44.8	61.5	76.1	70.1	6.03	12.608	
500.0	500.0	500.1	500.1	3.1	3.1	126.07	-44.8	61.5	76.1	70.0	6.06	12.559	
600.0	600.0	600.1	600.1	3.1	3.1	126.07	-44.8	61.5	76.1	70.0	6.09	12.498	
700.0	700.0	700.1	700.1	3.1	3.1	126.07	-44.8	61.5	76.1	70.0	6.12	12.425	
800.0	800.0	800.1	800.1	3.2	3.2	126.07	-44.8	61.5	76.1	69.9	6.16	12.342	
900.0	900.0	900.1	900.1	3.2	3.2	126.07	-44.8	61.5	76.1	69.9	6.21	12.249	
1,000.0	1,000.0	1,000.1	1,000.1	3.2	3.2	126.07	-44.8	61.5	76.1	69.8	6.26	12.147	
1,100.0	1,100.0	1,100.1	1,100.1	3.3	3.3	126.07	-44.8	61.5	76.1	69.8	6.32	12.036	
1,200.0	1,200.0	1,200.1	1,200.1	3.4	3.4	126.07	-44.8	61.5	76.1	69.7	6.38	11.917	
1,300.0	1,300.0	1,300.1	1,300.1	3.4	3.4	126.07	-44.8	61.5	76.1	69.6	6.45	11.791	
1,400.0	1,400.0	1,400.1	1,400.1	3.5	3.5	126.07	-44.8	61.5	76.1	69.6	6.53	11.659	
1,500.0	1,500.0	1,500.1	1,500.1	3.5	3.5	126.07	-44.8	61.5	76.1	69.5	6.60	11.521	
1,600.0	1,600.0	1,600.1	1,600.1	3.6	3.6	126.07	-44.8	61.5	76.1	69.4	6.69	11.379	
1,700.0	1,700.0	1,700.1	1,700.1	3.7	3.7	126.07	-44.8	61.5	76.1	69.3	6.77	11.233	
1,800.0	1,800.0	1,800.1	1,800.1	3.8	3.8	126.07	-44.8	61.5	76.1	69.2	6.86	11.084	
1,900.0	1,900.0	1,900.1	1,900.1	3.9	3.9	126.07	-44.8	61.5	76.1	69.1	6.96	10.932	
2,000.0	2,000.0	2,000.1	2,000.1	3.9	3.9	126.07	-44.8	61.5	76.1	69.0	7.06	10.779	CC, ES, SF
2,100.0	2,100.0	2,100.1	2,100.1	4.0	4.0	-156.94	-44.8	61.5	77.7	70.5	7.16	10.856	
2,200.0	2,199.8	2,199.9	2,199.9	4.0	4.1	-158.33	-44.8	61.5	82.5	75.3	7.24	11.399	
2,300.0	2,299.5	2,299.6	2,299.6	4.1	4.2	-160.31	-44.8	61.5	90.7	83.4	7.31	12.410	
2,400.0	2,398.7	2,398.8	2,398.8	4.1	4.3	-162.54	-44.8	61.5	102.3	94.9	7.37	13.878	
2,500.0	2,497.5	2,497.6	2,497.6	4.2	4.4	-164.75	-44.8	61.5	117.3	109.9	7.43	15.793	
2,600.0	2,595.9	2,593.7	2,593.7	4.2	4.5	-167.23	-44.0	62.8	134.9	127.5	7.46	18.085	
2,700.0	2,694.4	2,688.9	2,688.7	4.3	4.5	-170.12	-41.4	66.7	154.6	147.2	7.48	20.687	
2,800.0	2,792.9	2,782.8	2,782.4	4.4	4.6	-173.18	-37.1	73.2	176.6	169.1	7.49	23.568	
2,900.0	2,891.4	2,878.9	2,877.9	4.4	4.7	-176.09	-31.7	81.5	200.3	192.8	7.53	26.608	
3,000.0	2,989.9	2,975.5	2,974.0	4.5	4.7	-178.42	-26.1	90.0	224.5	216.9	7.59	29.581	
3,100.0	3,088.3	3,072.2	3,070.2	4.6	4.8	179.70	-20.6	98.4	248.9	241.2	7.67	32.463	
3,200.0	3,186.8	3,168.9	3,166.3	4.7	4.9	178.16	-15.0	106.8	273.5	265.8	7.76	35.245	
3,300.0	3,285.3	3,265.6	3,262.5	4.7	5.0	176.88	-9.5	115.3	298.3	290.5	7.87	37.921	
3,400.0	3,383.8	3,362.2	3,358.6	4.8	5.0	175.79	-3.9	123.7	323.3	315.3	7.98	40.489	
3,500.0	3,482.3	3,458.9	3,454.8	4.9	5.1	174.86	1.6	132.2	348.3	340.2	8.11	42.947	
3,600.0	3,580.8	3,555.6	3,550.9	5.0	5.2	174.05	7.2	140.6	373.4	365.1	8.24	45.297	
3,700.0	3,679.2	3,652.3	3,647.0	5.1	5.3	173.34	12.7	149.1	398.5	390.1	8.38	47.540	
3,800.0	3,777.7	3,748.9	3,743.2	5.2	5.4	172.72	18.3	157.5	423.7	415.2	8.53	49.678	
3,900.0	3,876.2	3,845.6	3,839.3	5.3	5.5	172.17	23.8	166.0	449.0	440.3	8.68	51.714	
4,000.0	3,974.7	3,942.3	3,935.5	5.4	5.6	171.67	29.4	174.4	474.2	465.4	8.84	53.652	
4,100.0	4,073.2	4,039.0	4,031.6	5.5	5.6	171.23	34.9	182.9	499.5	490.5	9.00	55.494	
4,200.0	4,171.6	4,135.6	4,127.8	5.6	5.7	170.83	40.5	191.3	524.9	515.7	9.17	57.245	
4,300.0	4,270.1	4,232.3	4,223.9	5.7	5.8	170.46	46.0	199.8	550.2	540.9	9.34	58.908	
4,400.0	4,368.6	4,329.0	4,320.1	5.8	5.9	170.13	51.6	208.2	575.6	566.1	9.52	60.488	
4,500.0	4,467.1	4,425.7	4,416.2	5.9	6.0	169.83	57.1	216.7	601.0	591.3	9.70	61.988	
4,600.0	4,565.6	4,522.4	4,512.4	6.0	6.1	169.55	62.6	225.1	626.4	616.5	9.88	63.412	
4,700.0	4,664.0	4,619.0	4,608.5	6.1	6.2	169.29	68.2	233.5	651.8	641.7	10.06	64.763	
4,800.0	4,762.5	4,715.7	4,704.7	6.2	6.3	169.05	73.7	242.0	677.2	667.0	10.25	66.045	
4,900.0	4,861.0	4,812.4	4,800.8	6.3	6.4	168.83	79.3	250.4	702.7	692.2	10.45	67.262	
5,000.0	4,959.5	4,909.1	4,897.0	6.5	6.5	168.62	84.8	258.9	728.1	717.5	10.64	68.417	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	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
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	5,058.0	5,005.7	4,993.1	6.6	6.6	168.43	90.4	267.3	753.6	742.7	10.84	69.514	
5,200.0	5,156.4	5,102.4	5,089.2	6.7	6.7	168.25	95.9	275.8	779.0	768.0	11.04	70.555	
5,300.0	5,254.9	5,199.1	5,185.4	6.8	6.8	168.08	101.5	284.2	804.5	793.3	11.25	71.543	
5,400.0	5,353.4	5,295.8	5,281.5	6.9	6.9	167.92	107.0	292.7	830.0	818.5	11.45	72.481	
5,500.0	5,451.9	5,392.4	5,377.7	7.0	7.0	167.78	112.6	301.1	855.5	843.8	11.66	73.371	
5,600.0	5,550.4	5,489.1	5,473.8	7.2	7.1	167.64	118.1	309.6	881.0	869.1	11.87	74.217	
5,700.0	5,648.9	5,585.8	5,570.0	7.3	7.3	167.50	123.7	318.0	906.4	894.4	12.08	75.021	
5,800.0	5,747.3	5,682.5	5,666.1	7.4	7.4	167.38	129.2	326.5	931.9	919.6	12.30	75.785	
5,900.0	5,845.8	5,779.1	5,762.3	7.6	7.5	167.26	134.8	334.9	957.4	944.9	12.51	76.510	
6,000.0	5,944.3	5,875.8	5,858.4	7.7	7.6	167.15	140.3	343.4	982.9	970.2	12.73	77.200	

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9714-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Vertical	Offset	Vertical	Semi Major Axis	Offset	Highside	Offset Wellbore Centre		Rule Assigned:		Minimum	Separation	Warning
Measured Depth (usft)	Depth (usft)	Measured Depth (usft)	Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Separation (usft)	Factor	
0.0	0.0	0.0	0.0	3.0	3.0	144.97	-44.8	31.4	54.7				
100.0	100.0	100.0	100.0	3.0	3.0	144.97	-44.8	31.4	54.7	48.7	6.00	9.117	
200.0	200.0	200.0	200.0	3.0	3.0	144.97	-44.8	31.4	54.7	48.7	6.01	9.105	
300.0	300.0	300.0	300.0	3.0	3.0	144.97	-44.8	31.4	54.7	48.7	6.02	9.080	
400.0	400.0	400.0	400.0	3.0	3.0	144.97	-44.8	31.4	54.7	48.7	6.05	9.042	
500.0	500.0	500.0	500.0	3.1	3.1	144.97	-44.8	31.4	54.7	48.6	6.08	8.992	
600.0	600.0	600.0	600.0	3.1	3.1	144.97	-44.8	31.4	54.7	48.6	6.13	8.930	
700.0	700.0	700.0	700.0	3.1	3.1	144.97	-44.8	31.4	54.7	48.5	6.18	8.857	
800.0	800.0	800.0	800.0	3.2	3.2	144.97	-44.8	31.4	54.7	48.5	6.24	8.773	
900.0	900.0	900.0	900.0	3.2	3.2	144.97	-44.8	31.4	54.7	48.4	6.30	8.681	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	144.97	-44.8	31.4	54.7	48.3	6.38	8.579	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	144.97	-44.8	31.4	54.7	48.2	6.46	8.471	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	144.97	-44.8	31.4	54.7	48.2	6.55	8.356	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	144.97	-44.8	31.4	54.7	48.1	6.64	8.236	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	144.97	-44.8	31.4	54.7	48.0	6.74	8.111	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	144.97	-44.8	31.4	54.7	47.9	6.85	7.983	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	144.97	-44.8	31.4	54.7	47.7	6.97	7.852	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	144.97	-44.8	31.4	54.7	47.6	7.09	7.720	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	144.97	-44.8	31.4	54.7	47.5	7.21	7.586	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	144.97	-44.8	31.4	54.7	47.4	7.34	7.451	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	144.97	-44.8	31.4	54.7	47.2	7.48	7.316	CC, ES, SF
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	-138.73	-44.8	31.4	56.0	48.4	7.59	7.381	
2,200.0	2,199.8	2,199.8	2,199.8	4.0	4.1	-141.97	-44.8	31.4	60.0	52.4	7.65	7.850	
2,300.0	2,299.5	2,299.5	2,299.5	4.1	4.2	-146.48	-44.8	31.4	67.1	59.5	7.67	8.751	
2,400.0	2,398.7	2,398.7	2,398.7	4.1	4.3	-151.34	-44.8	31.4	77.6	69.9	7.67	10.113	
2,500.0	2,497.5	2,497.5	2,497.5	4.2	4.4	-155.91	-44.8	31.4	91.7	84.0	7.67	11.945	
2,600.0	2,595.9	2,597.0	2,597.0	4.2	4.5	-160.55	-43.2	31.8	107.3	99.6	7.67	13.996	
2,700.0	2,694.4	2,696.4	2,696.2	4.3	4.6	-165.56	-38.3	33.1	122.6	115.0	7.64	16.059	
2,800.0	2,792.9	2,794.9	2,794.4	4.4	4.7	-170.67	-30.5	35.1	138.3	130.7	7.61	18.179	
2,900.0	2,891.4	2,892.9	2,892.1	4.4	4.8	-174.89	-22.2	37.3	154.8	147.2	7.61	20.341	
3,000.0	2,989.9	2,991.0	2,989.8	4.5	4.9	-178.29	-13.9	39.4	171.9	164.3	7.64	22.503	
3,100.0	3,088.3	3,089.1	3,087.4	4.6	5.0	178.93	-5.7	41.6	189.6	181.9	7.69	24.641	
3,200.0	3,186.8	3,187.1	3,185.1	4.7	5.1	176.62	2.6	43.7	207.6	199.8	7.76	26.736	
3,300.0	3,285.3	3,285.2	3,282.8	4.7	5.2	174.68	10.9	45.9	225.8	218.0	7.85	28.778	
3,400.0	3,383.8	3,383.2	3,380.5	4.8	5.3	173.03	19.2	48.0	244.3	236.4	7.94	30.760	
3,500.0	3,482.3	3,481.3	3,478.2	4.9	5.4	171.62	27.4	50.2	263.0	254.9	8.05	32.678	
3,600.0	3,580.8	3,579.3	3,575.8	5.0	5.5	170.39	35.7	52.4	281.8	273.6	8.16	34.529	
3,700.0	3,679.2	3,677.4	3,673.5	5.1	5.6	169.32	44.0	54.5	300.7	292.4	8.28	36.311	
3,800.0	3,777.7	3,775.4	3,771.2	5.2	5.7	168.37	52.2	56.7	319.7	311.2	8.41	38.025	
3,900.0	3,876.2	3,873.5	3,868.9	5.3	5.8	167.53	60.5	58.8	338.7	330.2	8.54	39.670	
4,000.0	3,974.7	3,971.5	3,966.5	5.4	5.9	166.77	68.8	61.0	357.8	349.2	8.68	41.247	
4,100.0	4,073.2	4,069.6	4,064.2	5.5	6.0	166.10	77.0	63.1	377.0	368.2	8.82	42.758	
4,200.0	4,171.6	4,167.6	4,161.9	5.6	6.1	165.49	85.3	65.3	396.3	387.3	8.96	44.204	
4,300.0	4,270.1	4,265.7	4,259.6	5.7	6.2	164.93	93.6	67.4	415.5	406.4	9.11	45.587	
4,400.0	4,368.6	4,363.7	4,357.3	5.8	6.3	164.43	101.9	69.6	434.8	425.5	9.27	46.908	
4,500.0	4,467.1	4,461.8	4,454.9	5.9	6.4	163.97	110.1	71.7	454.1	444.7	9.43	48.170	
4,600.0	4,565.6	4,559.8	4,552.6	6.0	6.5	163.54	118.4	73.9	473.5	463.9	9.59	49.374	
4,700.0	4,664.0	4,657.9	4,650.3	6.1	6.7	163.15	126.7	76.0	492.9	483.1	9.76	50.522	
4,800.0	4,762.5	4,755.9	4,748.0	6.2	6.8	162.79	134.9	78.2	512.3	502.3	9.92	51.618	
4,900.0	4,861.0	4,854.0	4,845.6	6.3	6.9	162.46	143.2	80.3	531.7	521.6	10.10	52.662	
5,000.0	4,959.5	4,952.0	4,943.3	6.5	7.0	162.15	151.5	82.5	551.1	540.9	10.27	53.657	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #711H - OWB - PWP1											Offset Site Error:	0.0 usft
0-Standard Keeper 104, 9714-MWD+IFR1+FDIR											Offset Well Error:	3.0 usft
Survey Program:	Rule Assigned:											
Reference	Offset	Semi Major Axis	Offset	Highside	Offset Wellbore Centre	Distance	Between	Between	Minimum	Separation	Warning	
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Toolface (°)	+N/-S (usft)	+E/-W (usft)	Centres (usft)	Ellipses (usft)		
5,100.0	5,058.0	5,050.1	5,041.0	6.6	7.1	161.85	159.7	84.6	570.6	560.1	10.45	54.605
5,200.0	5,156.4	5,148.1	5,138.7	6.7	7.2	161.58	168.0	86.8	590.0	579.4	10.63	55.508
5,300.0	5,254.9	5,246.2	5,236.4	6.8	7.3	161.33	176.3	89.0	609.5	598.7	10.81	56.368
5,400.0	5,353.4	5,344.2	5,334.0	6.9	7.4	161.09	184.6	91.1	629.0	618.0	11.00	57.186
5,500.0	5,451.9	5,442.3	5,431.7	7.0	7.6	160.87	192.8	93.3	648.5	637.3	11.19	57.965
5,600.0	5,550.4	5,540.3	5,529.4	7.2	7.7	160.66	201.1	95.4	668.0	656.6	11.38	58.706
5,700.0	5,648.9	5,638.4	5,627.1	7.3	7.8	160.46	209.4	97.6	687.5	675.9	11.57	59.412
5,800.0	5,747.3	5,736.4	5,724.7	7.4	7.9	160.27	217.6	99.7	707.0	695.2	11.77	60.083
5,900.0	5,845.8	5,834.5	5,822.4	7.6	8.0	160.09	225.9	101.9	726.5	714.6	11.97	60.721
6,000.0	5,944.3	5,932.5	5,920.1	7.7	8.1	159.92	234.2	104.0	746.1	733.9	12.17	61.329
6,100.0	6,042.8	6,030.6	6,017.8	7.8	8.3	159.77	242.4	106.2	765.6	753.2	12.37	61.906
6,200.0	6,141.3	6,129.7	6,116.5	7.9	8.4	159.61	250.8	108.3	785.1	772.6	12.57	62.458
6,300.0	6,239.7	6,233.3	6,219.8	8.1	8.5	159.55	258.3	110.3	804.2	791.4	12.77	62.974
6,400.0	6,338.2	6,337.1	6,323.5	8.2	8.6	159.61	263.9	111.8	822.6	809.7	12.96	63.450
6,500.0	6,436.7	6,441.2	6,427.5	8.4	8.7	159.79	267.8	112.8	840.4	827.2	13.15	63.903
6,600.0	6,535.2	6,545.4	6,531.6	8.5	8.9	160.08	269.9	113.3	857.5	844.1	13.33	64.326
6,700.0	6,633.7	6,647.4	6,633.7	8.6	9.0	160.46	270.2	113.4	873.9	860.4	13.50	64.718
6,800.0	6,732.1	6,745.9	6,732.1	8.8	9.1	160.83	270.2	113.4	890.4	876.7	13.68	65.099
6,900.0	6,830.6	6,844.4	6,830.6	8.9	9.2	161.19	270.2	113.4	906.8	893.0	13.85	65.469
7,000.0	6,929.1	6,942.8	6,929.1	9.1	9.4	161.54	270.2	113.4	923.3	909.3	14.03	65.827
7,100.0	7,027.6	7,041.3	7,027.6	9.2	9.5	161.87	270.2	113.4	939.8	925.6	14.20	66.175
7,200.0	7,126.1	7,139.8	7,126.1	9.4	9.6	162.20	270.2	113.4	956.3	942.0	14.38	66.513
7,300.0	7,224.5	7,238.3	7,224.5	9.5	9.7	162.51	270.2	113.4	972.9	958.4	14.56	66.840
7,400.0	7,323.0	7,336.8	7,323.0	9.7	9.9	162.81	270.2	113.4	989.5	974.8	14.73	67.157

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR		Offset		Semi Major Axis		Offset Wellbore Centre			Rule Assigned:				Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Offset Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	178.22	-45.0	1.4	45.0					
100.0	100.0	99.8	99.8	3.0	3.0	178.22	-45.0	1.4	45.0	39.0	6.00	7.503		
200.0	200.0	199.8	199.8	3.0	3.0	178.22	-45.0	1.4	45.0	39.0	6.01	7.490		
300.0	300.0	299.8	299.8	3.0	3.0	178.22	-45.0	1.4	45.0	39.0	6.03	7.463		
400.0	400.0	399.8	399.8	3.0	3.0	178.22	-45.0	1.4	45.0	39.0	6.07	7.423		
500.0	500.0	499.8	499.8	3.1	3.1	178.22	-45.0	1.4	45.0	38.9	6.11	7.369		
600.0	600.0	599.8	599.8	3.1	3.1	178.22	-45.0	1.4	45.0	38.9	6.16	7.303		
700.0	700.0	699.8	699.8	3.1	3.1	178.22	-45.0	1.4	45.0	38.8	6.23	7.226		
800.0	800.0	799.8	799.8	3.2	3.2	178.22	-45.0	1.4	45.0	38.7	6.31	7.138		
900.0	900.0	899.8	899.8	3.2	3.2	178.22	-45.0	1.4	45.0	38.6	6.39	7.042		
1,000.0	1,000.0	999.8	999.8	3.2	3.2	178.22	-45.0	1.4	45.0	38.5	6.49	6.938		
1,100.0	1,100.0	1,099.8	1,099.8	3.3	3.3	178.22	-45.0	1.4	45.0	38.4	6.59	6.828		
1,200.0	1,200.0	1,199.8	1,199.8	3.4	3.4	178.22	-45.0	1.4	45.0	38.3	6.71	6.712		
1,300.0	1,300.0	1,299.8	1,299.8	3.4	3.4	178.22	-45.0	1.4	45.0	38.2	6.83	6.593		
1,400.0	1,400.0	1,399.8	1,399.8	3.5	3.5	178.22	-45.0	1.4	45.0	38.1	6.96	6.470		
1,500.0	1,500.0	1,499.8	1,499.8	3.5	3.5	178.22	-45.0	1.4	45.0	37.9	7.10	6.345		
1,600.0	1,600.0	1,599.8	1,599.8	3.6	3.6	178.22	-45.0	1.4	45.0	37.8	7.24	6.218		
1,700.0	1,700.0	1,699.8	1,699.8	3.7	3.7	178.22	-45.0	1.4	45.0	37.6	7.39	6.091		
1,800.0	1,800.0	1,799.8	1,799.8	3.8	3.8	178.22	-45.0	1.4	45.0	37.5	7.55	5.965		
1,900.0	1,900.0	1,899.8	1,899.8	3.9	3.9	178.22	-45.0	1.4	45.0	37.3	7.71	5.839		
2,000.0	2,000.0	1,999.8	1,999.8	3.9	3.9	178.22	-45.0	1.4	45.0	37.1	7.88	5.714 CC, ES		
2,100.0	2,100.0	2,099.8	2,099.8	4.0	4.0	-106.42	-45.0	1.4	45.5	37.5	8.02	5.668		
2,200.0	2,199.8	2,199.6	2,199.6	4.0	4.1	-112.48	-45.0	1.4	47.2	39.1	8.13	5.808		
2,300.0	2,299.5	2,299.3	2,299.3	4.1	4.2	-121.43	-45.0	1.4	51.2	43.0	8.18	6.257		
2,400.0	2,398.7	2,398.5	2,398.5	4.1	4.3	-131.51	-45.0	1.4	58.5	50.4	8.16	7.170		
2,500.0	2,497.5	2,497.3	2,497.3	4.2	4.4	-140.97	-45.0	1.4	69.9	61.8	8.09	8.646		
2,600.0	2,595.9	2,598.6	2,598.6	4.2	4.5	-148.61	-43.8	0.2	82.5	74.5	8.03	10.273		
2,700.0	2,694.4	2,700.8	2,700.7	4.3	4.6	-154.44	-40.0	-3.6	92.7	84.7	8.02	11.554		
2,800.0	2,792.9	2,801.8	2,801.3	4.4	4.6	-159.36	-34.1	-9.5	100.5	92.5	8.03	12.527		
2,900.0	2,891.4	2,901.2	2,900.3	4.4	4.7	-163.54	-27.9	-15.6	108.6	100.6	8.05	13.495		
3,000.0	2,989.9	3,000.6	2,999.3	4.5	4.8	-167.13	-21.8	-21.7	117.2	109.1	8.09	14.489		
3,100.0	3,088.3	3,099.9	3,098.3	4.6	4.9	-170.22	-15.7	-27.8	126.2	118.0	8.14	15.495		
3,200.0	3,186.8	3,199.3	3,197.3	4.7	5.0	-172.90	-9.5	-33.9	135.5	127.3	8.21	16.500		
3,300.0	3,285.3	3,298.7	3,296.3	4.7	5.1	-175.23	-3.4	-40.1	145.0	136.7	8.29	17.497		
3,400.0	3,383.8	3,398.1	3,395.3	4.8	5.2	-177.27	2.7	-46.2	154.8	146.4	8.37	18.479		
3,500.0	3,482.3	3,497.5	3,494.3	4.9	5.2	-179.06	8.9	-52.3	164.7	156.2	8.47	19.441		
3,600.0	3,580.8	3,596.8	3,593.3	5.0	5.3	179.35	15.0	-58.4	174.7	166.2	8.57	20.380		
3,700.0	3,679.2	3,696.2	3,692.3	5.1	5.4	177.93	21.1	-64.5	184.9	176.3	8.69	21.293		
3,800.0	3,777.7	3,795.6	3,791.3	5.2	5.5	176.66	27.3	-70.6	195.2	186.4	8.80	22.178		
3,900.0	3,876.2	3,895.0	3,890.3	5.3	5.6	175.52	33.4	-76.7	205.6	196.7	8.92	23.036		
4,000.0	3,974.7	3,994.4	3,989.3	5.4	5.7	174.49	39.5	-82.9	216.0	207.0	9.05	23.864		
4,100.0	4,073.2	4,093.8	4,088.3	5.5	5.8	173.55	45.7	-89.0	226.5	217.4	9.19	24.662		
4,200.0	4,171.6	4,193.1	4,187.3	5.6	5.9	172.70	51.8	-95.1	237.1	227.8	9.32	25.432		
4,300.0	4,270.1	4,292.5	4,286.3	5.7	6.0	171.92	57.9	-101.2	247.7	238.3	9.47	26.171		
4,400.0	4,368.6	4,391.9	4,385.3	5.8	6.1	171.20	64.1	-107.3	258.4	248.8	9.61	26.882		
4,500.0	4,467.1	4,491.3	4,484.3	5.9	6.2	170.54	70.2	-113.4	269.1	259.3	9.76	27.565		
4,600.0	4,565.6	4,590.7	4,583.3	6.0	6.3	169.93	76.3	-119.5	279.8	269.9	9.91	28.219		
4,700.0	4,664.0	4,690.0	4,682.3	6.1	6.4	169.37	82.5	-125.7	290.5	280.5	10.07	28.846		
4,800.0	4,762.5	4,789.4	4,781.3	6.2	6.6	168.84	88.6	-131.8	301.3	291.1	10.23	29.447		
4,900.0	4,861.0	4,888.8	4,880.3	6.3	6.7	168.36	94.7	-137.9	312.1	301.7	10.40	30.023		
5,000.0	4,959.5	4,988.2	4,979.4	6.5	6.8	167.90	100.9	-144.0	322.9	312.4	10.56	30.573		

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
5,100.0	5,058.0	5,087.6	5,078.4	6.6	6.9	167.48	107.0	-150.1	333.8	323.0	10.73	31.100	
5,200.0	5,156.4	5,186.9	5,177.4	6.7	7.0	167.08	113.1	-156.2	344.6	333.7	10.90	31.603	
5,300.0	5,254.9	5,286.3	5,276.4	6.8	7.1	166.70	119.3	-162.4	355.5	344.4	11.08	32.085	
5,400.0	5,353.4	5,385.7	5,375.4	6.9	7.2	166.35	125.4	-168.5	366.4	355.1	11.26	32.545	
5,500.0	5,451.9	5,485.1	5,474.4	7.0	7.3	166.02	131.6	-174.6	377.3	365.8	11.44	32.984	
5,600.0	5,550.4	5,584.5	5,573.4	7.2	7.4	165.71	137.7	-180.7	388.2	376.6	11.62	33.403	
5,700.0	5,648.9	5,683.9	5,672.4	7.3	7.5	165.41	143.8	-186.8	399.1	387.3	11.81	33.804	
5,800.0	5,747.3	5,783.2	5,771.4	7.4	7.7	165.13	150.0	-192.9	410.0	398.0	11.99	34.187	
5,900.0	5,845.8	5,882.6	5,870.4	7.6	7.8	164.86	156.1	-199.0	421.0	408.8	12.18	34.552	
6,000.0	5,944.3	5,982.0	5,969.4	7.7	7.9	164.61	162.2	-205.2	431.9	419.5	12.38	34.900	
6,100.0	6,042.8	6,081.4	6,068.4	7.8	8.0	164.37	168.4	-211.3	442.9	430.3	12.57	35.232	
6,200.0	6,141.3	6,180.8	6,167.4	7.9	8.1	164.14	174.5	-217.4	453.8	441.1	12.77	35.549	
6,300.0	6,239.7	6,280.1	6,266.4	8.1	8.2	163.93	180.6	-223.5	464.8	451.8	12.96	35.852	
6,400.0	6,338.2	6,379.5	6,365.4	8.2	8.3	163.72	186.8	-229.6	475.8	462.6	13.17	36.140	
6,500.0	6,436.7	6,478.9	6,464.4	8.4	8.5	163.52	192.9	-235.7	486.8	473.4	13.37	36.415	
6,600.0	6,535.2	6,578.3	6,563.4	8.5	8.6	163.33	199.0	-241.8	497.8	484.2	13.57	36.677	
6,700.0	6,633.7	6,677.7	6,662.4	8.6	8.7	163.15	205.2	-248.0	508.8	495.0	13.78	36.927	
6,800.0	6,732.1	6,777.0	6,761.4	8.8	8.8	162.98	211.3	-254.1	519.8	505.8	13.98	37.165	
6,900.0	6,830.6	6,876.4	6,860.4	8.9	8.9	162.81	217.4	-260.2	530.8	516.6	14.19	37.392	
7,000.0	6,929.1	6,975.8	6,959.4	9.1	9.1	162.65	223.6	-266.3	541.8	527.4	14.41	37.608	
7,100.0	7,027.6	7,075.2	7,058.4	9.2	9.2	162.50	229.7	-272.4	552.8	538.2	14.62	37.814	
7,200.0	7,126.1	7,174.6	7,157.4	9.4	9.3	162.35	235.8	-278.5	563.8	549.0	14.83	38.010	
7,300.0	7,224.5	7,274.0	7,256.4	9.5	9.4	162.21	242.0	-284.6	574.8	559.8	15.05	38.197	
7,400.0	7,323.0	7,373.3	7,355.4	9.7	9.5	162.07	248.1	-290.8	585.8	570.6	15.27	38.375	
7,500.0	7,421.5	7,468.0	7,449.8	9.8	9.6	161.98	253.6	-296.3	597.2	581.7	15.49	38.557	
7,600.0	7,520.0	7,561.0	7,542.5	10.0	9.8	162.00	258.0	-300.7	609.5	593.8	15.71	38.789	
7,700.0	7,618.5	7,653.7	7,635.2	10.1	9.9	162.13	261.3	-304.0	622.8	606.9	15.94	39.073	
7,800.0	7,716.9	7,746.1	7,727.5	10.3	10.0	162.36	263.6	-306.2	637.2	621.0	16.17	39.396	
7,900.0	7,815.4	7,838.2	7,819.5	10.5	10.1	162.67	264.8	-307.4	652.6	636.2	16.41	39.768	
8,000.0	7,913.9	7,932.3	7,913.7	10.6	10.2	163.07	265.0	-307.6	669.0	652.4	16.63	40.221	
8,100.0	8,012.4	8,030.8	8,012.2	10.8	10.3	163.50	265.0	-307.6	685.7	668.9	16.84	40.726	
8,200.0	8,110.9	8,129.3	8,110.7	11.0	10.4	163.90	265.0	-307.6	702.4	685.3	17.04	41.221	
8,300.0	8,209.4	8,227.8	8,209.2	11.1	10.5	164.28	265.0	-307.6	719.1	701.9	17.24	41.707	
8,400.0	8,307.8	8,326.3	8,307.6	11.3	10.6	164.65	265.0	-307.6	735.8	718.4	17.44	42.184	
8,500.0	8,406.3	8,424.7	8,406.1	11.5	10.8	165.00	265.0	-307.6	752.6	735.0	17.65	42.651	
8,525.9	8,431.8	8,450.3	8,431.6	11.5	10.8	165.09	265.0	-307.6	757.0	739.3	17.70	42.770	
8,600.0	8,504.9	8,523.3	8,504.7	11.7	10.9	165.35	265.0	-307.6	769.0	751.1	17.85	43.086	
8,700.0	8,603.7	8,622.1	8,603.5	11.8	11.0	165.67	265.0	-307.6	783.7	765.7	18.04	43.432	
8,800.0	8,702.8	8,721.2	8,702.6	12.0	11.1	165.94	265.0	-307.6	796.8	778.6	18.24	43.689	
8,900.0	8,802.1	8,820.5	8,801.9	12.1	11.2	166.17	265.0	-307.6	808.2	789.8	18.43	43.858	
9,000.0	8,901.6	8,920.0	8,901.4	12.3	11.3	166.37	265.0	-307.6	818.0	799.4	18.62	43.943	
9,100.0	9,001.2	9,019.7	9,001.0	12.4	11.5	166.52	265.0	-307.6	826.1	807.3	18.80	43.944	
9,200.0	9,101.0	9,119.5	9,100.8	12.5	11.6	166.64	265.0	-307.6	832.4	813.5	18.98	43.865	
9,300.0	9,200.9	9,219.3	9,200.7	12.6	11.7	166.73	265.0	-307.6	837.1	818.0	19.15	43.709	
9,400.0	9,300.9	9,319.3	9,300.7	12.6	11.8	166.78	265.0	-307.6	840.1	820.8	19.32	43.477	
9,500.0	9,400.8	9,419.3	9,400.6	12.7	11.9	166.81	265.0	-307.6	841.4	821.9	19.49	43.168	
9,525.9	9,426.8	9,445.2	9,426.6	12.7	12.0	89.32	265.0	-307.6	841.5	821.9	19.52	43.097	
9,589.2	9,490.0	9,508.4	9,489.8	12.7	12.0	89.32	265.0	-307.6	841.5	821.9	19.58	42.967	
9,600.0	9,500.8	9,519.3	9,500.6	12.7	12.0	-88.90	265.0	-307.6	841.5	821.9	19.59	42.946	
9,650.0	9,550.7	9,568.2	9,549.6	12.9	12.1	-89.02	263.6	-307.6	841.4	821.8	19.62	42.880	
9,700.0	9,600.2	9,617.1	9,598.1	12.9	12.3	-89.15	258.2	-307.4	841.4	821.8	19.63	42.854	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Reference Depth (usft)	Vertical Depth (usft)	Measured Offset Depth (usft)	Vertical Depth (usft)	Reference Offset (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre		Rule Assigned: Distance Between Centres (usft)		Minimum Separation (usft)	Separation Factor	Warning
							+N/-S (usft)	+E/-W (usft)					
9,750.0	9,648.7	9,666.1	9,646.1	13.0	12.8	-89.29	248.6	-307.1	841.4	821.7	19.64	42.844	
9,800.0	9,696.1	9,715.2	9,693.3	13.0	12.9	-89.43	234.9	-306.7	841.3	821.7	19.64	42.830	
9,850.0	9,741.9	9,764.6	9,739.3	13.0	12.9	-89.57	217.1	-306.1	841.3	821.6	19.66	42.787	
9,900.0	9,785.8	9,814.1	9,783.8	13.0	12.9	-89.72	195.4	-305.5	841.3	821.6	19.70	42.710	
9,950.0	9,827.5	9,863.8	9,826.4	13.1	13.0	-89.88	169.8	-304.7	841.3	821.5	19.75	42.591	
10,000.0	9,866.5	9,913.8	9,866.8	13.1	13.0	-90.03	140.4	-303.8	841.3	821.4	19.83	42.421	
10,050.0	9,902.7	9,963.9	9,904.6	13.2	13.1	-90.18	107.6	-302.7	841.2	821.3	19.94	42.193	
10,100.0	9,935.8	10,014.2	9,939.5	13.2	13.2	-90.34	71.4	-301.6	841.2	821.2	20.08	41.902	
10,117.0	9,946.3	10,031.3	9,950.6	13.3	13.2	-90.39	58.4	-301.2	841.2	821.1	20.13	41.784	
10,150.0	9,965.5	10,064.7	9,971.2	13.3	13.2	-90.49	32.1	-300.4	841.2	821.0	20.25	41.543	
10,200.0	9,991.5	10,115.4	9,999.4	13.4	13.3	-90.63	-9.9	-299.1	841.2	820.8	20.46	41.115	
10,250.0	10,013.8	10,166.3	10,023.9	13.4	13.4	-90.78	-54.5	-297.8	841.3	820.5	20.71	40.621	
10,300.0	10,032.0	10,217.4	10,044.4	13.5	13.5	-90.91	-101.3	-296.3	841.3	820.3	21.00	40.065	
10,350.0	10,046.1	10,268.6	10,060.8	13.5	13.5	-91.04	-149.8	-294.8	841.3	820.0	21.32	39.458	
10,400.0	10,056.0	10,320.0	10,072.7	13.6	13.6	-91.17	-199.8	-293.3	841.3	819.6	21.68	38.808	
10,450.0	10,061.6	10,371.6	10,080.1	13.6	13.6	-91.28	-250.8	-291.7	841.3	819.2	22.06	38.131	
10,491.8	10,063.0	10,414.9	10,082.8	13.7	13.7	-91.36	-294.0	-290.4	841.3	818.9	22.40	37.554	
10,500.0	10,062.9	10,423.4	10,082.9	13.7	13.7	-91.38	-302.4	-290.1	841.3	818.9	22.47	37.441	
10,600.0	10,062.4	10,523.7	10,082.5	13.7	13.8	-91.38	-402.7	-287.0	841.3	818.0	23.33	36.056	
10,700.0	10,062.0	10,623.7	10,082.1	13.9	13.9	-91.38	-502.6	-284.0	841.2	817.0	24.28	34.643	
10,800.0	10,061.5	10,723.7	10,081.6	14.1	14.0	-91.38	-602.6	-280.9	841.2	815.9	25.32	33.228	
10,900.0	10,061.1	10,823.7	10,081.1	14.4	14.2	-91.38	-702.5	-277.8	841.2	814.8	26.42	31.837	
11,000.0	10,060.6	10,923.7	10,080.7	14.9	14.4	-91.38	-802.5	-274.7	841.1	813.5	27.59	30.488	
11,100.0	10,060.1	11,023.7	10,080.2	15.4	14.7	-91.38	-902.4	-271.6	841.1	812.3	28.81	29.192	
11,200.0	10,059.7	11,123.7	10,079.7	16.0	15.0	-91.38	-1,002.4	-268.6	841.1	811.0	30.08	27.957	
11,300.0	10,059.2	11,223.7	10,079.3	16.6	15.5	-91.38	-1,102.3	-265.5	841.0	809.6	31.40	26.785	
11,400.0	10,058.7	11,323.7	10,078.8	17.2	16.0	-91.38	-1,202.3	-262.4	841.0	808.2	32.75	25.678	
11,500.0	10,058.3	11,423.7	10,078.3	17.9	16.6	-91.38	-1,302.2	-259.3	840.9	806.8	34.14	24.634	
11,600.0	10,057.8	11,523.7	10,077.9	18.6	17.2	-91.38	-1,402.2	-256.2	840.9	805.3	35.55	23.653	
11,700.0	10,057.3	11,623.7	10,077.4	19.3	17.9	-91.38	-1,502.1	-253.2	840.9	803.9	36.99	22.731	
11,800.0	10,056.9	11,723.7	10,076.9	20.0	18.6	-91.38	-1,602.1	-250.1	840.8	802.4	38.46	21.864	
11,900.0	10,056.4	11,823.7	10,076.5	20.7	19.4	-91.38	-1,702.0	-247.0	840.8	800.8	39.94	21.051	
12,000.0	10,055.9	11,923.7	10,076.0	21.4	20.1	-91.38	-1,802.0	-243.9	840.7	799.3	41.44	20.287	
12,100.0	10,055.5	12,023.7	10,075.5	22.2	20.9	-91.38	-1,901.9	-240.8	840.7	797.7	42.96	19.568	
12,200.0	10,055.0	12,123.7	10,075.1	22.9	21.7	-91.38	-2,001.9	-237.8	840.7	796.2	44.50	18.893	
12,300.0	10,054.5	12,223.7	10,074.6	23.7	22.4	-91.38	-2,101.8	-234.7	840.6	794.6	46.04	18.257	
12,400.0	10,054.1	12,323.7	10,074.1	24.4	23.2	-91.38	-2,201.8	-231.6	840.6	793.0	47.60	17.658	
12,500.0	10,053.6	12,423.7	10,073.7	25.2	24.0	-91.38	-2,301.7	-228.5	840.6	791.4	49.17	17.094	
12,600.0	10,053.1	12,523.7	10,073.2	26.0	24.8	-91.38	-2,401.7	-225.4	840.5	789.8	50.75	16.561	
12,700.0	10,052.7	12,623.7	10,072.8	26.7	25.6	-91.38	-2,501.6	-222.4	840.5	788.1	52.34	16.057	
12,800.0	10,052.2	12,723.7	10,072.3	27.5	26.4	-91.38	-2,601.6	-219.3	840.4	786.5	53.94	15.581	
12,900.0	10,051.8	12,823.7	10,071.8	28.3	27.3	-91.38	-2,701.6	-216.2	840.4	784.9	55.54	15.130	
13,000.0	10,051.3	12,923.7	10,071.4	29.1	28.1	-91.38	-2,801.5	-213.1	840.4	783.2	57.15	14.703	
13,100.0	10,050.8	13,023.7	10,070.9	29.9	28.9	-91.38	-2,901.5	-210.0	840.3	781.5	58.77	14.298	
13,200.0	10,050.4	13,123.7	10,070.4	30.7	29.7	-91.38	-3,001.4	-207.0	840.3	779.9	60.40	13.913	
13,300.0	10,049.9	13,223.7	10,070.0	31.5	30.5	-91.38	-3,101.4	-203.9	840.2	778.2	62.03	13.547	
13,400.0	10,049.4	13,323.7	10,069.5	32.3	31.4	-91.38	-3,201.3	-200.8	840.2	776.5	63.66	13.198	
13,500.0	10,049.0	13,423.7	10,069.0	33.1	32.2	-91.38	-3,301.3	-197.7	840.2	774.9	65.30	12.867	
13,600.0	10,048.5	13,523.7	10,068.6	33.9	33.0	-91.38	-3,401.2	-194.6	840.1	773.2	66.94	12.550	
13,700.0	10,048.0	13,623.7	10,068.1	34.8	33.8	-91.38	-3,501.2	-191.6	840.1	771.5	68.59	12.249	
13,800.0	10,047.6	13,723.7	10,067.6	35.6	34.7	-91.38	-3,601.1	-188.5	840.0	769.8	70.24	11.960	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft	
Survey Program:		0-Standard Keeper 104, 9620-MWD+IFR1+FDIR					Rule Assigned:							Offset Well Error:	3.0 usft
Measured 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			
13,900.0	10,047.1	13,823.7	10,067.2	36.4	35.5	-91.38	-3,701.1	-185.4	840.0	768.1	71.89	11.685			
14,000.0	10,046.6	13,923.7	10,066.7	37.2	36.3	-91.38	-3,801.0	-182.3	840.0	766.4	73.55	11.421			
14,100.0	10,046.2	14,023.7	10,066.2	38.0	37.2	-91.38	-3,901.0	-179.2	839.9	764.7	75.21	11.168			
14,200.0	10,045.7	14,123.7	10,065.8	38.9	38.0	-91.38	-4,000.9	-176.2	839.9	763.0	76.87	10.926			
14,300.0	10,045.2	14,223.7	10,065.3	39.7	38.9	-91.38	-4,100.9	-173.1	839.9	761.3	78.54	10.694			
14,400.0	10,044.8	14,323.7	10,064.8	40.5	39.7	-91.38	-4,200.8	-170.0	839.8	759.6	80.20	10.471			
14,500.0	10,044.3	14,423.7	10,064.4	41.3	40.5	-91.38	-4,300.8	-166.9	839.8	757.9	81.87	10.257			
14,600.0	10,043.8	14,523.7	10,063.9	42.2	41.4	-91.38	-4,400.7	-163.9	839.7	756.2	83.54	10.051			
14,700.0	10,043.4	14,623.7	10,063.4	43.0	42.2	-91.38	-4,500.7	-160.8	839.7	754.5	85.22	9.853			
14,800.0	10,042.9	14,723.7	10,063.0	43.8	43.1	-91.38	-4,600.6	-157.7	839.7	752.8	86.89	9.663			
14,900.0	10,042.5	14,823.7	10,062.5	44.7	43.9	-91.38	-4,700.6	-154.6	839.6	751.0	88.57	9.479			
15,000.0	10,042.0	14,923.7	10,062.0	45.5	44.8	-91.38	-4,800.5	-151.5	839.6	749.3	90.25	9.303			
15,100.0	10,041.5	15,023.7	10,061.6	46.3	45.6	-91.38	-4,900.5	-148.5	839.5	747.6	91.93	9.132			
15,147.5	10,041.3	15,071.1	10,061.4	46.7	46.0	-91.38	-4,947.9	-147.0	839.5	746.8	92.73	9.053			
15,148.6	10,041.3	15,072.2	10,061.4	46.7	46.0	-91.38	-4,949.0	-147.0	839.5	746.8	92.75	9.051			
15,200.0	10,041.1	15,131.0	10,061.1	47.2	46.5	-91.38	-5,007.8	-145.3	839.9	746.2	93.68	8.966			
15,258.3	10,040.8	15,213.5	10,060.7	47.7	47.2	-91.37	-5,090.3	-144.6	840.2	745.4	94.84	8.859			
15,300.0	10,040.6	15,255.8	10,060.5	48.0	47.6	-91.37	-5,132.6	-144.9	840.2	744.7	95.54	8.794			
15,400.0	10,040.1	15,355.8	10,060.0	48.8	48.4	-91.37	-5,232.6	-145.7	840.2	743.0	97.22	8.642			
15,500.0	10,039.7	15,455.8	10,059.6	49.7	49.2	-91.37	-5,332.6	-146.4	840.2	741.3	98.90	8.496			
15,600.0	10,039.2	15,555.8	10,059.1	50.5	50.1	-91.37	-5,432.6	-147.2	840.2	739.6	100.57	8.354			
15,700.0	10,038.7	15,655.8	10,058.7	51.3	50.9	-91.37	-5,532.6	-147.9	840.2	737.9	102.25	8.217			
15,800.0	10,038.3	15,755.8	10,058.2	52.2	51.8	-91.37	-5,632.6	-148.7	840.2	736.3	103.94	8.084			
15,900.0	10,037.8	15,855.8	10,057.7	53.0	52.6	-91.37	-5,732.6	-149.4	840.2	734.6	105.62	7.955			
16,000.0	10,037.3	15,955.8	10,057.3	53.9	53.5	-91.37	-5,832.6	-150.2	840.2	732.9	107.30	7.830			
16,100.0	10,036.9	16,055.8	10,056.8	54.7	54.3	-91.37	-5,932.6	-151.0	840.2	731.2	108.99	7.709			
16,200.0	10,036.4	16,155.8	10,056.3	55.5	55.2	-91.37	-6,032.6	-151.7	840.2	729.5	110.67	7.592			
16,300.0	10,035.9	16,255.8	10,055.9	56.4	56.0	-91.37	-6,132.6	-152.5	840.2	727.8	112.36	7.478			
16,400.0	10,035.5	16,355.8	10,055.4	57.2	56.9	-91.37	-6,232.5	-153.2	840.2	726.2	114.05	7.367			
16,500.0	10,035.0	16,455.8	10,054.9	58.1	57.7	-91.37	-6,332.5	-154.0	840.2	724.5	115.74	7.260			
16,600.0	10,034.5	16,555.8	10,054.5	58.9	58.6	-91.37	-6,432.5	-154.7	840.2	722.8	117.42	7.155			
16,700.0	10,034.1	16,655.8	10,054.0	59.7	59.4	-91.37	-6,532.5	-155.5	840.2	721.1	119.11	7.054			
16,800.0	10,033.6	16,755.8	10,053.6	60.6	60.2	-91.37	-6,632.5	-156.2	840.2	719.4	120.80	6.955			
16,900.0	10,033.1	16,855.8	10,053.1	61.4	61.1	-91.37	-6,732.5	-157.0	840.2	717.7	122.50	6.859			
17,000.0	10,032.7	16,955.8	10,052.6	62.3	61.9	-91.37	-6,832.5	-157.7	840.2	716.0	124.19	6.766			
17,100.0	10,032.2	17,055.8	10,052.2	63.1	62.8	-91.37	-6,932.5	-158.5	840.2	714.3	125.88	6.675			
17,200.0	10,031.8	17,155.8	10,051.7	64.0	63.6	-91.37	-7,032.5	-159.2	840.2	712.6	127.57	6.586			
17,300.0	10,031.3	17,255.8	10,051.2	64.8	64.5	-91.37	-7,132.5	-160.0	840.2	710.9	129.27	6.500			
17,400.0	10,030.8	17,355.8	10,050.8	65.6	65.3	-91.37	-7,232.5	-160.7	840.2	709.3	130.96	6.416			
17,500.0	10,030.4	17,455.8	10,050.3	66.5	66.2	-91.37	-7,332.5	-161.5	840.2	707.6	132.66	6.334			
17,600.0	10,029.9	17,555.8	10,049.9	67.3	67.0	-91.38	-7,432.5	-162.2	840.2	705.9	134.35	6.254			
17,700.0	10,029.4	17,655.8	10,049.4	68.2	67.9	-91.38	-7,532.5	-163.0	840.2	704.2	136.05	6.176			
17,800.0	10,029.0	17,755.8	10,048.9	69.0	68.7	-91.38	-7,632.5	-163.7	840.2	702.5	137.74	6.100			
17,900.0	10,028.5	17,855.8	10,048.5	69.9	69.6	-91.38	-7,732.5	-164.5	840.2	700.8	139.44	6.026			
18,000.0	10,028.0	17,955.8	10,048.0	70.7	70.4	-91.38	-7,832.5	-165.2	840.2	699.1	141.14	5.953			
18,100.0	10,027.6	18,055.8	10,047.5	71.6	71.3	-91.38	-7,932.5	-166.0	840.2	697.4	142.84	5.882			
18,200.0	10,027.1	18,155.8	10,047.1	72.4	72.2	-91.38	-8,032.5	-166.7	840.2	695.7	144.53	5.813			
18,300.0	10,026.6	18,255.8	10,046.6	73.3	73.0	-91.38	-8,132.5	-167.5	840.2	694.0	146.23	5.746			
18,400.0	10,026.2	18,355.8	10,046.1	74.1	73.9	-91.38	-8,232.5	-168.2	840.2	692.3	147.93	5.680			
18,500.0	10,025.7	18,455.8	10,045.7	75.0	74.7	-91.38	-8,332.5	-169.0	840.2	690.6	149.63	5.615			
18,600.0	10,025.2	18,555.8	10,045.2	75.8	75.6	-91.38	-8,432.5	-169.7	840.2	688.9	151.33	5.552			

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Vertical	Measured	Vertical	Reference	Offset	Semi Major Axis	Highside	Offset Wellbore Centre		Rule Assigned:		Warning	
Measured	Depth	Depth	Depth	Reference	Offset	Offset	Toolface	+N/-S	+E/-W	Distance	Between	Minimum	Separation
Depth	(usft)	(usft)	(usft)	(usft)	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	Separation	Factor
(usft)		(usft)	(usft)							(usft)	(usft)	(usft)	
18,700.0	10,024.8	18,655.8	10,044.8	76.7	76.4	-91.38	-9.532.5	-170.5	840.2	687.2	153.03	5.491	
18,800.0	10,024.3	18,755.8	10,044.3	77.5	77.3	-91.38	-8,632.5	-171.2	840.2	685.5	154.73	5.430	
18,900.0	10,023.8	18,855.8	10,043.8	78.4	78.1	-91.38	-8,732.5	-172.0	840.2	683.8	156.43	5.371	
19,000.0	10,023.4	18,955.8	10,043.4	79.2	79.0	-91.38	-8,832.4	-172.7	840.2	682.1	158.13	5.313	
19,100.0	10,022.9	19,055.8	10,042.9	80.0	79.8	-91.38	-8,932.4	-173.5	840.2	680.4	159.84	5.257	
19,200.0	10,022.4	19,155.8	10,042.4	80.9	80.7	-91.38	-9,032.4	-174.2	840.2	678.7	161.54	5.201	
19,300.0	10,022.0	19,255.8	10,042.0	81.7	81.5	-91.38	-9,132.4	-175.0	840.2	677.0	163.24	5.147	
19,400.0	10,021.5	19,355.8	10,041.5	82.6	82.4	-91.38	-9,232.4	-175.7	840.2	675.3	164.94	5.094	
19,500.0	10,021.1	19,455.8	10,041.1	83.4	83.2	-91.38	-9,332.4	-176.5	840.2	673.6	166.64	5.042	
19,600.0	10,020.6	19,555.8	10,040.6	84.3	84.1	-91.38	-9,432.4	-177.2	840.2	671.9	168.35	4.991	
19,700.0	10,020.1	19,655.8	10,040.1	85.1	84.9	-91.38	-9,532.4	-178.0	840.2	670.2	170.05	4.941	
19,800.0	10,019.7	19,755.8	10,039.7	86.0	85.8	-91.38	-9,632.4	-178.7	840.2	668.5	171.75	4.892	
19,900.0	10,019.2	19,855.8	10,039.2	86.8	86.6	-91.38	-9,732.4	-179.5	840.2	666.8	173.46	4.844	
20,000.0	10,018.7	19,955.8	10,038.7	87.7	87.5	-91.38	-9,832.4	-180.2	840.2	665.1	175.16	4.797	
20,100.0	10,018.3	20,055.8	10,038.3	88.5	88.3	-91.38	-9,932.4	-181.0	840.2	663.4	176.86	4.751	
20,200.0	10,017.8	20,155.8	10,037.8	89.4	89.2	-91.38	-10,032.4	-181.7	840.2	661.7	178.57	4.705	
20,300.0	10,017.3	20,255.8	10,037.4	90.3	90.1	-91.38	-10,132.4	-182.5	840.2	660.0	180.27	4.661	
20,400.0	10,016.9	20,355.8	10,036.9	91.1	90.9	-91.38	-10,232.4	-183.2	840.2	658.3	181.98	4.617	
20,478.4	10,016.5	20,434.2	10,036.5	91.8	91.6	-91.38	-10,310.8	-183.8	840.2	656.9	183.31	4.584	
20,483.2	10,016.5	20,439.0	10,036.5	91.8	91.6	-91.38	-10,315.6	-183.8	840.2	656.8	183.40	4.582	
20,500.0	10,016.4	20,457.3	10,036.4	92.0	91.8	-91.38	-10,333.8	-184.0	840.2	656.6	183.69	4.574	
20,600.0	10,015.9	20,557.3	10,036.0	92.8	92.6	-91.38	-10,433.8	-184.9	840.2	654.8	185.39	4.532	
20,700.0	10,015.5	20,657.3	10,035.5	93.7	93.5	-91.38	-10,533.8	-185.9	840.2	653.1	187.10	4.491	
20,800.0	10,015.0	20,757.3	10,035.0	94.5	94.3	-91.38	-10,633.8	-186.8	840.2	651.4	188.80	4.450	
20,900.0	10,014.5	20,857.3	10,034.6	95.4	95.2	-91.38	-10,733.8	-187.7	840.2	649.7	190.51	4.410	
21,000.0	10,014.1	20,957.3	10,034.1	96.2	96.0	-91.38	-10,833.8	-188.6	840.2	648.0	192.21	4.371	
21,100.0	10,013.6	21,057.3	10,033.6	97.1	96.9	-91.38	-10,933.8	-189.5	840.2	646.3	193.92	4.333	
21,200.0	10,013.1	21,157.3	10,033.2	97.9	97.8	-91.38	-11,033.8	-190.5	840.2	644.6	195.63	4.295	
21,300.0	10,012.7	21,257.3	10,032.7	98.8	98.6	-91.38	-11,133.8	-191.4	840.2	642.9	197.33	4.258	
21,400.0	10,012.2	21,357.3	10,032.2	99.6	99.5	-91.38	-11,233.8	-192.3	840.2	641.2	199.04	4.221	
21,500.0	10,011.7	21,457.3	10,031.8	100.5	100.3	-91.38	-11,333.8	-193.2	840.2	639.5	200.75	4.186	
21,600.0	10,011.3	21,557.3	10,031.3	101.3	101.2	-91.38	-11,433.8	-194.1	840.2	637.8	202.45	4.150	
21,700.0	10,010.8	21,657.3	10,030.8	102.2	102.0	-91.38	-11,533.8	-195.1	840.2	636.1	204.16	4.116	
21,800.0	10,010.3	21,757.3	10,030.4	103.0	102.9	-91.38	-11,633.8	-196.0	840.2	634.4	205.87	4.081	
21,900.0	10,009.9	21,857.3	10,029.9	103.9	103.7	-91.38	-11,733.7	-196.9	840.2	632.6	207.57	4.048	
22,000.0	10,009.4	21,957.3	10,029.4	104.7	104.6	-91.38	-11,833.7	-197.8	840.2	630.9	209.28	4.015	
22,100.0	10,008.9	22,057.3	10,029.0	105.6	105.4	-91.38	-11,933.7	-198.7	840.2	629.2	210.99	3.982	
22,200.0	10,008.5	22,157.3	10,028.5	106.4	106.3	-91.38	-12,033.7	-199.7	840.2	627.5	212.69	3.950	
22,300.0	10,008.0	22,257.3	10,028.0	107.3	107.2	-91.38	-12,133.7	-200.6	840.2	625.8	214.40	3.919	
22,400.0	10,007.5	22,357.3	10,027.6	108.1	108.0	-91.38	-12,233.7	-201.5	840.2	624.1	216.11	3.888	
22,500.0	10,007.0	22,457.3	10,027.1	109.0	108.9	-91.38	-12,333.7	-202.4	840.2	622.4	217.82	3.857	
22,600.0	10,006.6	22,557.3	10,026.7	109.8	109.7	-91.38	-12,433.7	-203.4	840.2	620.7	219.52	3.827	
22,700.0	10,006.1	22,657.3	10,026.2	110.7	110.6	-91.38	-12,533.7	-204.3	840.2	619.0	221.23	3.798	
22,800.0	10,005.6	22,757.3	10,025.7	111.6	111.4	-91.38	-12,633.7	-205.2	840.2	617.3	222.94	3.769	
22,900.0	10,005.2	22,857.3	10,025.3	112.4	112.3	-91.38	-12,733.7	-206.1	840.2	615.6	224.65	3.740	
23,000.0	10,004.7	22,957.3	10,024.8	113.3	113.1	-91.38	-12,833.7	-207.0	840.2	613.8	226.36	3.712	
23,100.0	10,004.2	23,057.3	10,024.3	114.1	114.0	-91.38	-12,933.7	-208.0	840.2	612.1	228.07	3.684	
23,200.0	10,003.8	23,157.3	10,023.9	115.0	114.8	-91.38	-13,033.7	-208.9	840.2	610.4	229.77	3.657	
23,300.0	10,003.3	23,257.3	10,023.4	115.8	115.7	-91.38	-13,133.7	-209.8	840.2	608.7	231.48	3.630	
23,400.0	10,002.8	23,357.3	10,022.9	116.7	116.6	-91.38	-13,233.7	-210.7	840.2	607.0	233.19	3.603	
23,500.0	10,002.4	23,457.3	10,022.5	117.5	117.4	-91.38	-13,333.7	-211.6	840.2	605.3	234.90	3.577	

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Offset Design: ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #712H - OWB - PWP1													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9620-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis	Reference	Offset	Highside	Offset Wellbore Centre	Distance	Rule Assigned:	Minimum	Separation	Warning			
Measured	Vertical	Measured	Vertical	Reference	Offset	Toolface	+N/-S	+E/-W	Between	Between	Separation	Factor		
Depth	Depth	Depth	Depth	(usft)	(usft)	(°)	(usft)	(usft)	Centres	Ellipses	(usft)			
(usft)	(usft)	(usft)	(usft)						(usft)	(usft)				
23,600.0	10,001.9	23,557.3	10,022.0	118.4	118.3	-91.38	-13,433.7	-212.6	840.2	603.6	236.61	3.551		
23,700.0	10,001.4	23,657.3	10,021.5	119.2	119.1	-91.38	-13,533.7	-213.5	840.2	601.9	238.32	3.526		
23,800.0	10,001.0	23,757.3	10,021.1	120.1	120.0	-91.38	-13,633.6	-214.4	840.2	600.2	240.03	3.500		
23,900.0	10,000.5	23,857.3	10,020.6	120.9	120.8	-91.38	-13,733.6	-215.3	840.2	598.5	241.74	3.476		
24,000.0	10,000.0	23,957.3	10,020.1	121.8	121.7	-91.38	-13,833.6	-216.3	840.2	596.7	243.45	3.451		
24,100.0	9,999.6	24,057.3	10,019.7	122.7	122.5	-91.39	-13,933.6	-217.2	840.2	595.0	245.16	3.427		
24,200.0	9,999.1	24,157.3	10,019.2	123.5	123.4	-91.39	-14,033.6	-218.1	840.2	593.3	246.86	3.403		
24,300.0	9,998.6	24,257.3	10,018.7	124.4	124.3	-91.39	-14,133.6	-219.0	840.2	591.6	248.57	3.380		
24,400.0	9,998.2	24,357.3	10,018.3	125.2	125.1	-91.39	-14,233.6	-219.9	840.2	589.9	250.28	3.357		
24,500.0	9,997.7	24,457.3	10,017.8	126.1	126.0	-91.39	-14,333.6	-220.9	840.2	588.2	251.99	3.334		
24,600.0	9,997.2	24,557.3	10,017.4	126.9	126.8	-91.39	-14,433.6	-221.8	840.2	586.5	253.70	3.312		
24,700.0	9,996.8	24,657.3	10,016.9	127.8	127.7	-91.39	-14,533.6	-222.7	840.2	584.8	255.41	3.289		
24,800.0	9,996.3	24,757.3	10,016.4	128.6	128.5	-91.39	-14,633.6	-223.6	840.2	583.1	257.12	3.268		
24,900.0	9,995.8	24,857.3	10,016.0	129.5	129.4	-91.39	-14,733.6	-224.5	840.2	581.3	258.83	3.246		
25,000.0	9,995.4	24,957.3	10,015.5	130.3	130.2	-91.39	-14,833.6	-225.5	840.2	579.6	260.54	3.225		
25,100.0	9,994.9	25,057.3	10,015.0	131.2	131.1	-91.39	-14,933.6	-226.4	840.2	577.9	262.25	3.204		
25,200.0	9,994.4	25,157.3	10,014.6	132.1	132.0	-91.39	-15,033.6	-227.3	840.2	576.2	263.96	3.183		
25,300.0	9,994.0	25,257.3	10,014.1	132.9	132.8	-91.39	-15,133.6	-228.2	840.2	574.5	265.67	3.162		
25,400.0	9,993.5	25,357.3	10,013.6	133.8	133.7	-91.39	-15,233.6	-229.2	840.2	572.8	267.38	3.142		
25,505.0	9,993.0	25,462.2	10,013.1	134.7	134.6	-91.39	-15,338.5	-230.1	840.2	571.0	269.18	3.121 SF		

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3003.3usft (P84)

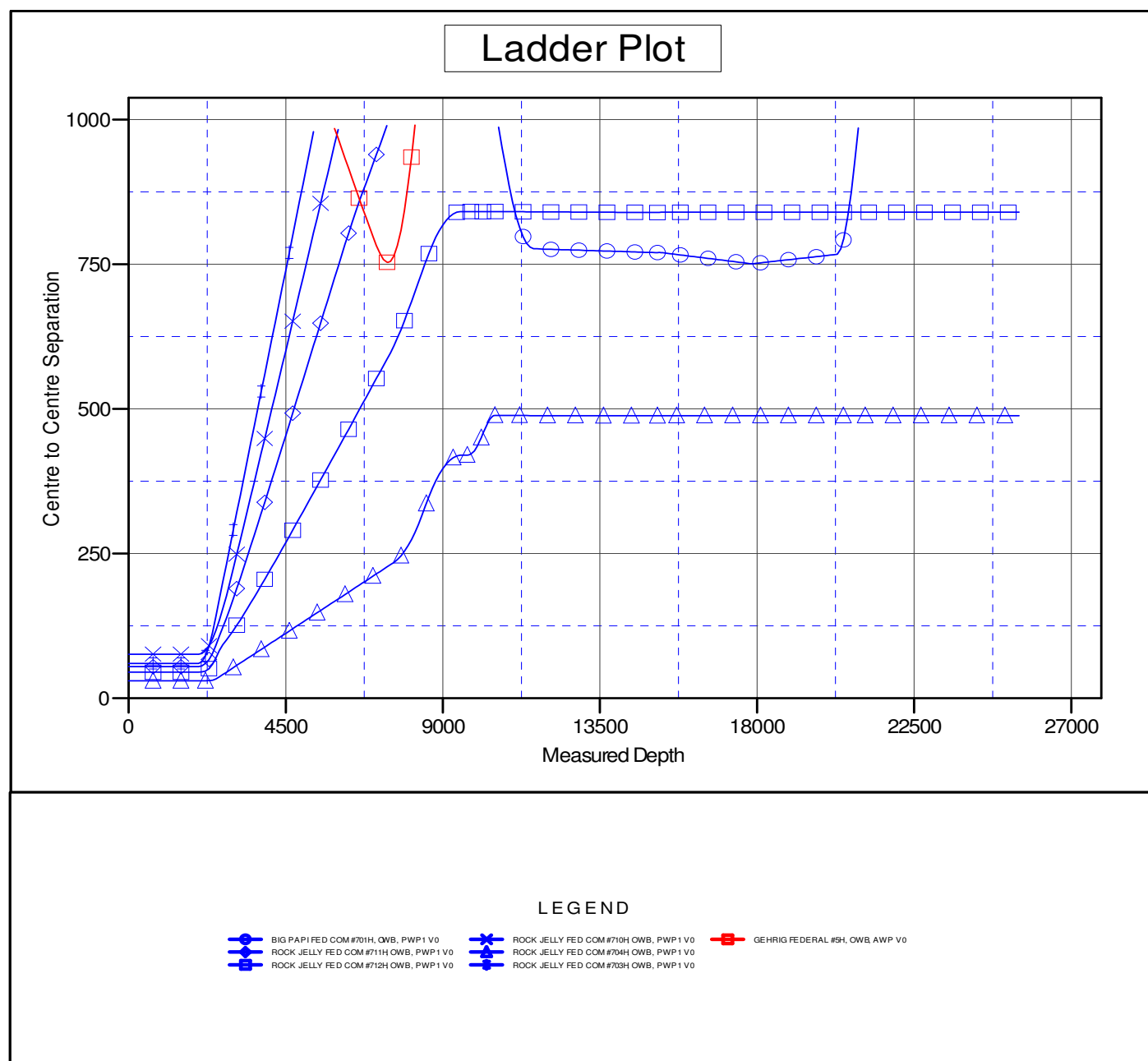
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #705H

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

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COMPASS 5000.15 Build 91E

ConocoPhillips

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	EDT 15 Central Prod
Reference Design:	PWP1	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=25' @ 3003.3usft (P84)

Offset Depths are relative to Offset Datum

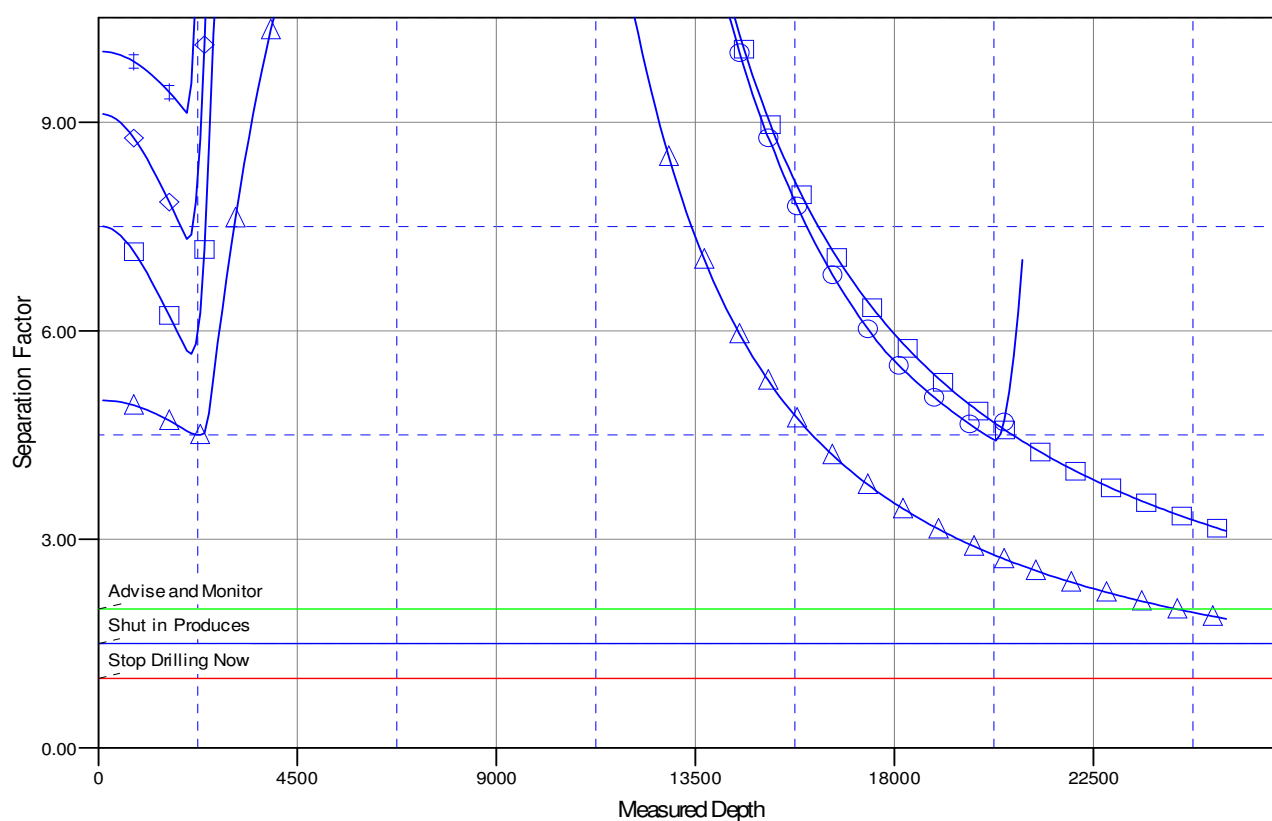
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: ROCK JELLY FED COM #705H

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

Grid Convergence at Surface is: 0.19°

Separation Factor Plot



LEGEND

	BIG PAPI FED COM #701H, OWB, PWP1 V0		ROCK JELLY FED COM #710H, OWB, PWP1 V0		GEHRIG FEDERAL #5H, OWB, AWP V0
	ROCK JELLY FED COM #711H, OWB, PWP1 V0		ROCK JELLY FED COM #704H, OWB, PWP1 V0		
	ROCK JELLY FED COM #712H, OWB, PWP1 V0		ROCK JELLY FED COM #703H, OWB, PWP1 V0		

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

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COMPASS 5000.15 Build 91E

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #705H

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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	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 #705H					
Well Position	+N-S	0.0 usft	Northing:	392,240.50 usft	Latitude:	32° 4' 40.366 N
	+E-W	0.0 usft	Easting:	610,839.30 usft	Longitude:	103° 58' 31.725 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	2,978.3 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2021	12/13/2021	6.65	59.69	47,531.37246088

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	183.99	

Survey Tool Program	Date	1/18/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,626.0	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,626.0	25,505.0	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 #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	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	282.51	2,100.0	0.4	-1.7	-0.3	2.00	2.00	0.00	
2,200.0	4.00	282.51	2,199.8	1.5	-6.8	-1.0	2.00	2.00	0.00	
2,300.0	6.00	282.51	2,299.5	3.4	-15.3	-2.3	2.00	2.00	0.00	
2,400.0	8.00	282.51	2,398.7	6.0	-27.2	-4.1	2.00	2.00	0.00	
2,500.0	10.00	282.51	2,497.5	9.4	-42.5	-6.4	2.00	2.00	0.00	
Start 6025.9 hold at 2500.0 MD										
2,600.0	10.00	282.51	2,595.9	13.2	-59.4	-9.0	0.00	0.00	0.00	
2,700.0	10.00	282.51	2,694.4	17.0	-76.4	-11.6	0.00	0.00	0.00	
2,800.0	10.00	282.51	2,792.9	20.7	-93.3	-14.2	0.00	0.00	0.00	
2,900.0	10.00	282.51	2,891.4	24.5	-110.3	-16.7	0.00	0.00	0.00	
3,000.0	10.00	282.51	2,989.9	28.2	-127.3	-19.3	0.00	0.00	0.00	
3,100.0	10.00	282.51	3,088.3	32.0	-144.2	-21.9	0.00	0.00	0.00	
3,200.0	10.00	282.51	3,186.8	35.8	-161.2	-24.5	0.00	0.00	0.00	
3,300.0	10.00	282.51	3,285.3	39.5	-178.1	-27.0	0.00	0.00	0.00	
3,400.0	10.00	282.51	3,383.8	43.3	-195.1	-29.6	0.00	0.00	0.00	
3,500.0	10.00	282.51	3,482.3	47.1	-212.0	-32.2	0.00	0.00	0.00	
3,600.0	10.00	282.51	3,580.8	50.8	-229.0	-34.7	0.00	0.00	0.00	
3,700.0	10.00	282.51	3,679.2	54.6	-245.9	-37.3	0.00	0.00	0.00	
3,800.0	10.00	282.51	3,777.7	58.3	-262.9	-39.9	0.00	0.00	0.00	
3,900.0	10.00	282.51	3,876.2	62.1	-279.8	-42.5	0.00	0.00	0.00	
4,000.0	10.00	282.51	3,974.7	65.9	-296.8	-45.0	0.00	0.00	0.00	
4,100.0	10.00	282.51	4,073.2	69.6	-313.7	-47.6	0.00	0.00	0.00	
4,200.0	10.00	282.51	4,171.6	73.4	-330.7	-50.2	0.00	0.00	0.00	
4,300.0	10.00	282.51	4,270.1	77.2	-347.6	-52.8	0.00	0.00	0.00	
4,400.0	10.00	282.51	4,368.6	80.9	-364.6	-55.3	0.00	0.00	0.00	
4,500.0	10.00	282.51	4,467.1	84.7	-381.5	-57.9	0.00	0.00	0.00	
4,600.0	10.00	282.51	4,565.6	88.4	-398.5	-60.5	0.00	0.00	0.00	
4,700.0	10.00	282.51	4,664.0	92.2	-415.4	-63.1	0.00	0.00	0.00	
4,800.0	10.00	282.51	4,762.5	96.0	-432.4	-65.6	0.00	0.00	0.00	
4,900.0	10.00	282.51	4,861.0	99.7	-449.3	-68.2	0.00	0.00	0.00	

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	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	10.00	282.51	4,959.5	103.5	-466.3	-70.8	0.00	0.00	0.00
5,100.0	10.00	282.51	5,058.0	107.2	-483.2	-73.3	0.00	0.00	0.00
5,200.0	10.00	282.51	5,156.4	111.0	-500.2	-75.9	0.00	0.00	0.00
5,300.0	10.00	282.51	5,254.9	114.8	-517.2	-78.5	0.00	0.00	0.00
5,400.0	10.00	282.51	5,353.4	118.5	-534.1	-81.1	0.00	0.00	0.00
5,500.0	10.00	282.51	5,451.9	122.3	-551.1	-83.6	0.00	0.00	0.00
5,600.0	10.00	282.51	5,550.4	126.1	-568.0	-86.2	0.00	0.00	0.00
5,700.0	10.00	282.51	5,648.9	129.8	-585.0	-88.8	0.00	0.00	0.00
5,800.0	10.00	282.51	5,747.3	133.6	-601.9	-91.4	0.00	0.00	0.00
5,900.0	10.00	282.51	5,845.8	137.3	-618.9	-93.9	0.00	0.00	0.00
6,000.0	10.00	282.51	5,944.3	141.1	-635.8	-96.5	0.00	0.00	0.00
6,100.0	10.00	282.51	6,042.8	144.9	-652.8	-99.1	0.00	0.00	0.00
6,200.0	10.00	282.51	6,141.3	148.6	-669.7	-101.6	0.00	0.00	0.00
6,300.0	10.00	282.51	6,239.7	152.4	-686.7	-104.2	0.00	0.00	0.00
6,400.0	10.00	282.51	6,338.2	156.2	-703.6	-106.8	0.00	0.00	0.00
6,500.0	10.00	282.51	6,436.7	159.9	-720.6	-109.4	0.00	0.00	0.00
6,600.0	10.00	282.51	6,535.2	163.7	-737.5	-111.9	0.00	0.00	0.00
6,700.0	10.00	282.51	6,633.7	167.4	-754.5	-114.5	0.00	0.00	0.00
6,800.0	10.00	282.51	6,732.1	171.2	-771.4	-117.1	0.00	0.00	0.00
6,900.0	10.00	282.51	6,830.6	175.0	-788.4	-119.7	0.00	0.00	0.00
7,000.0	10.00	282.51	6,929.1	178.7	-805.3	-122.2	0.00	0.00	0.00
7,100.0	10.00	282.51	7,027.6	182.5	-822.3	-124.8	0.00	0.00	0.00
7,200.0	10.00	282.51	7,126.1	186.3	-839.2	-127.4	0.00	0.00	0.00
7,300.0	10.00	282.51	7,224.5	190.0	-856.2	-129.9	0.00	0.00	0.00
7,400.0	10.00	282.51	7,323.0	193.8	-873.2	-132.5	0.00	0.00	0.00
7,500.0	10.00	282.51	7,421.5	197.5	-890.1	-135.1	0.00	0.00	0.00
7,600.0	10.00	282.51	7,520.0	201.3	-907.1	-137.7	0.00	0.00	0.00
7,700.0	10.00	282.51	7,618.5	205.1	-924.0	-140.2	0.00	0.00	0.00
7,800.0	10.00	282.51	7,716.9	208.8	-941.0	-142.8	0.00	0.00	0.00
7,900.0	10.00	282.51	7,815.4	212.6	-957.9	-145.4	0.00	0.00	0.00
8,000.0	10.00	282.51	7,913.9	216.4	-974.9	-148.0	0.00	0.00	0.00
8,100.0	10.00	282.51	8,012.4	220.1	-991.8	-150.5	0.00	0.00	0.00
8,200.0	10.00	282.51	8,110.9	223.9	-1,008.8	-153.1	0.00	0.00	0.00
8,300.0	10.00	282.51	8,209.4	227.6	-1,025.7	-155.7	0.00	0.00	0.00
8,400.0	10.00	282.51	8,307.8	231.4	-1,042.7	-158.2	0.00	0.00	0.00
8,500.0	10.00	282.51	8,406.3	235.2	-1,059.6	-160.8	0.00	0.00	0.00
8,525.9	10.00	282.51	8,431.8	236.1	-1,064.0	-161.5	0.00	0.00	0.00
Start Drop -1.00									
8,600.0	9.26	282.51	8,504.9	238.8	-1,076.1	-163.3	1.00	-1.00	0.00
8,700.0	8.26	282.51	8,603.7	242.1	-1,091.0	-165.6	1.00	-1.00	0.00
8,800.0	7.26	282.51	8,702.8	245.1	-1,104.2	-167.6	1.00	-1.00	0.00
8,900.0	6.26	282.51	8,802.1	247.6	-1,115.7	-169.3	1.00	-1.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	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	5.26	282.51	8,901.6	249.8	-1,125.5	-170.8	1.00	-1.00	0.00
9,100.0	4.26	282.51	9,001.2	251.6	-1,133.6	-172.0	1.00	-1.00	0.00
9,200.0	3.26	282.51	9,101.0	253.0	-1,140.0	-173.0	1.00	-1.00	0.00
9,300.0	2.26	282.51	9,200.9	254.0	-1,144.7	-173.7	1.00	-1.00	0.00
9,400.0	1.26	282.51	9,300.9	254.7	-1,147.6	-174.2	1.00	-1.00	0.00
9,500.0	0.26	282.51	9,400.8	255.0	-1,148.9	-174.4	1.00	-1.00	0.00
9,525.9	0.00	0.00	9,426.8	255.0	-1,149.0	-174.4	1.00	-1.00	0.00
Start 63.2 hold at 9525.9 MD									
9,589.2	0.00	0.00	9,490.0	255.0	-1,149.0	-174.4	0.00	0.00	0.00
Start DLS 10.00 TFO 178.21									
9,600.0	1.08	178.21	9,500.8	254.9	-1,149.0	-174.3	10.00	10.00	0.00
9,700.0	11.08	178.21	9,600.2	244.3	-1,148.7	-163.7	10.00	10.00	0.00
9,800.0	21.08	178.21	9,696.1	216.7	-1,147.8	-136.2	10.00	10.00	0.00
9,900.0	31.08	178.21	9,785.8	172.8	-1,146.4	-92.5	10.00	10.00	0.00
10,000.0	41.08	178.21	9,866.5	114.0	-1,144.6	-34.0	10.00	10.00	0.00
10,100.0	51.08	178.21	9,935.8	42.1	-1,142.4	37.6	10.00	10.00	0.00
10,200.0	61.08	178.21	9,991.5	-40.8	-1,139.8	120.0	10.00	10.00	0.00
10,300.0	71.08	178.21	10,032.0	-132.0	-1,136.9	210.9	10.00	10.00	0.00
10,400.0	81.08	178.21	10,056.0	-228.9	-1,133.9	307.3	10.00	10.00	0.00
10,491.8	90.27	178.21	10,063.0	-320.3	-1,131.1	398.3	10.00	10.00	0.00
Start 4655.6 hold at 10491.8 MD									
10,500.0	90.27	178.21	10,062.9	-328.5	-1,130.8	406.5	0.00	0.00	0.00
10,600.0	90.27	178.21	10,062.4	-428.5	-1,127.7	505.9	0.00	0.00	0.00
10,700.0	90.27	178.21	10,062.0	-528.4	-1,124.6	605.4	0.00	0.00	0.00
10,800.0	90.27	178.21	10,061.5	-628.4	-1,121.4	704.9	0.00	0.00	0.00
10,900.0	90.27	178.21	10,061.1	-728.3	-1,118.3	804.4	0.00	0.00	0.00
11,000.0	90.27	178.21	10,060.6	-828.3	-1,115.2	903.9	0.00	0.00	0.00
11,100.0	90.27	178.21	10,060.1	-928.2	-1,112.1	1,003.4	0.00	0.00	0.00
11,200.0	90.27	178.21	10,059.7	-1,028.2	-1,109.0	1,102.9	0.00	0.00	0.00
11,300.0	90.27	178.21	10,059.2	-1,128.1	-1,105.9	1,202.4	0.00	0.00	0.00
11,400.0	90.27	178.21	10,058.7	-1,228.1	-1,102.7	1,301.9	0.00	0.00	0.00
11,500.0	90.27	178.21	10,058.3	-1,328.0	-1,099.6	1,401.4	0.00	0.00	0.00
11,600.0	90.27	178.21	10,057.8	-1,428.0	-1,096.5	1,500.9	0.00	0.00	0.00
11,700.0	90.27	178.21	10,057.3	-1,527.9	-1,093.4	1,600.3	0.00	0.00	0.00
11,800.0	90.27	178.21	10,056.9	-1,627.9	-1,090.3	1,699.8	0.00	0.00	0.00
11,900.0	90.27	178.21	10,056.4	-1,727.8	-1,087.1	1,799.3	0.00	0.00	0.00
12,000.0	90.27	178.21	10,055.9	-1,827.8	-1,084.0	1,898.8	0.00	0.00	0.00
12,100.0	90.27	178.21	10,055.5	-1,927.7	-1,080.9	1,998.3	0.00	0.00	0.00
12,200.0	90.27	178.21	10,055.0	-2,027.7	-1,077.8	2,097.8	0.00	0.00	0.00
12,300.0	90.27	178.21	10,054.5	-2,127.6	-1,074.7	2,197.3	0.00	0.00	0.00
12,400.0	90.27	178.21	10,054.1	-2,227.6	-1,071.6	2,296.8	0.00	0.00	0.00
12,500.0	90.27	178.21	10,053.6	-2,327.5	-1,068.4	2,396.3	0.00	0.00	0.00
12,600.0	90.27	178.21	10,053.1	-2,427.5	-1,065.3	2,495.8	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,700.0	90.27	178.21	10,052.7	-2,527.4	-1,062.2	2,595.3	0.00	0.00	0.00
12,800.0	90.27	178.21	10,052.2	-2,627.4	-1,059.1	2,694.7	0.00	0.00	0.00
12,900.0	90.27	178.21	10,051.8	-2,727.3	-1,056.0	2,794.2	0.00	0.00	0.00
13,000.0	90.27	178.21	10,051.3	-2,827.3	-1,052.8	2,893.7	0.00	0.00	0.00
13,100.0	90.27	178.21	10,050.8	-2,927.2	-1,049.7	2,993.2	0.00	0.00	0.00
13,200.0	90.27	178.21	10,050.4	-3,027.2	-1,046.6	3,092.7	0.00	0.00	0.00
13,300.0	90.27	178.21	10,049.9	-3,127.1	-1,043.5	3,192.2	0.00	0.00	0.00
13,400.0	90.27	178.21	10,049.4	-3,227.1	-1,040.4	3,291.7	0.00	0.00	0.00
13,500.0	90.27	178.21	10,049.0	-3,327.0	-1,037.3	3,391.2	0.00	0.00	0.00
13,600.0	90.27	178.21	10,048.5	-3,427.0	-1,034.1	3,490.7	0.00	0.00	0.00
13,700.0	90.27	178.21	10,048.0	-3,526.9	-1,031.0	3,590.2	0.00	0.00	0.00
13,800.0	90.27	178.21	10,047.6	-3,626.9	-1,027.9	3,689.6	0.00	0.00	0.00
13,900.0	90.27	178.21	10,047.1	-3,726.8	-1,024.8	3,789.1	0.00	0.00	0.00
14,000.0	90.27	178.21	10,046.6	-3,826.8	-1,021.7	3,888.6	0.00	0.00	0.00
14,100.0	90.27	178.21	10,046.2	-3,926.7	-1,018.5	3,988.1	0.00	0.00	0.00
14,200.0	90.27	178.21	10,045.7	-4,026.7	-1,015.4	4,087.6	0.00	0.00	0.00
14,300.0	90.27	178.21	10,045.2	-4,126.6	-1,012.3	4,187.1	0.00	0.00	0.00
14,400.0	90.27	178.21	10,044.8	-4,226.6	-1,009.2	4,286.6	0.00	0.00	0.00
14,500.0	90.27	178.21	10,044.3	-4,326.5	-1,006.1	4,386.1	0.00	0.00	0.00
14,600.0	90.27	178.21	10,043.8	-4,426.5	-1,003.0	4,485.6	0.00	0.00	0.00
14,700.0	90.27	178.21	10,043.4	-4,526.4	-999.8	4,585.1	0.00	0.00	0.00
14,800.0	90.27	178.21	10,042.9	-4,626.4	-996.7	4,684.6	0.00	0.00	0.00
14,900.0	90.27	178.21	10,042.5	-4,726.3	-993.6	4,784.0	0.00	0.00	0.00
15,000.0	90.27	178.21	10,042.0	-4,826.3	-990.5	4,883.5	0.00	0.00	0.00
15,100.0	90.27	178.21	10,041.5	-4,926.2	-987.4	4,983.0	0.00	0.00	0.00
15,147.5	90.27	178.21	10,041.3	-4,973.7	-985.9	5,030.2	0.00	0.00	0.00
Start DLS 2.00 TFO 89.99									
15,200.0	90.27	179.26	10,041.1	-5,026.2	-984.7	5,082.6	2.00	0.00	2.00
15,258.3	90.27	180.43	10,040.8	-5,084.5	-984.6	5,140.7	2.00	0.00	2.00
Start 5220.1 hold at 15258.3 MD									
15,300.0	90.27	180.43	10,040.6	-5,126.2	-984.9	5,182.3	0.00	0.00	0.00
15,400.0	90.27	180.43	10,040.1	-5,226.2	-985.6	5,282.1	0.00	0.00	0.00
15,500.0	90.27	180.43	10,039.7	-5,326.2	-986.4	5,381.9	0.00	0.00	0.00
15,600.0	90.27	180.43	10,039.2	-5,426.2	-987.1	5,481.7	0.00	0.00	0.00
15,700.0	90.27	180.43	10,038.7	-5,526.2	-987.9	5,581.6	0.00	0.00	0.00
15,800.0	90.27	180.43	10,038.3	-5,626.2	-988.6	5,681.4	0.00	0.00	0.00
15,900.0	90.27	180.43	10,037.8	-5,726.2	-989.4	5,781.2	0.00	0.00	0.00
16,000.0	90.27	180.43	10,037.3	-5,826.2	-990.1	5,881.0	0.00	0.00	0.00
16,100.0	90.27	180.43	10,036.9	-5,926.2	-990.9	5,980.8	0.00	0.00	0.00
16,200.0	90.27	180.43	10,036.4	-6,026.2	-991.6	6,080.6	0.00	0.00	0.00
16,300.0	90.27	180.43	10,035.9	-6,126.2	-992.4	6,180.4	0.00	0.00	0.00
16,400.0	90.27	180.43	10,035.5	-6,226.2	-993.1	6,280.2	0.00	0.00	0.00
16,500.0	90.27	180.43	10,035.0	-6,326.1	-993.9	6,380.0	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
16,600.0	90.27	180.43	10,034.5	-6,426.1	-994.6	6,479.8	0.00	0.00	0.00
16,700.0	90.27	180.43	10,034.1	-6,526.1	-995.4	6,579.6	0.00	0.00	0.00
16,800.0	90.27	180.43	10,033.6	-6,626.1	-996.1	6,679.4	0.00	0.00	0.00
16,900.0	90.27	180.43	10,033.1	-6,726.1	-996.9	6,779.2	0.00	0.00	0.00
17,000.0	90.27	180.43	10,032.7	-6,826.1	-997.7	6,879.0	0.00	0.00	0.00
17,100.0	90.27	180.43	10,032.2	-6,926.1	-998.4	6,978.8	0.00	0.00	0.00
17,200.0	90.27	180.43	10,031.8	-7,026.1	-999.2	7,078.6	0.00	0.00	0.00
17,300.0	90.27	180.43	10,031.3	-7,126.1	-999.9	7,178.4	0.00	0.00	0.00
17,400.0	90.27	180.43	10,030.8	-7,226.1	-1,000.7	7,278.2	0.00	0.00	0.00
17,500.0	90.27	180.43	10,030.4	-7,326.1	-1,001.4	7,378.1	0.00	0.00	0.00
17,600.0	90.27	180.43	10,029.9	-7,426.1	-1,002.2	7,477.9	0.00	0.00	0.00
17,700.0	90.27	180.43	10,029.4	-7,526.1	-1,002.9	7,577.7	0.00	0.00	0.00
17,800.0	90.27	180.43	10,029.0	-7,626.1	-1,003.7	7,677.5	0.00	0.00	0.00
17,900.0	90.27	180.43	10,028.5	-7,726.1	-1,004.4	7,777.3	0.00	0.00	0.00
18,000.0	90.27	180.43	10,028.0	-7,826.1	-1,005.2	7,877.1	0.00	0.00	0.00
18,100.0	90.27	180.43	10,027.6	-7,926.1	-1,005.9	7,976.9	0.00	0.00	0.00
18,200.0	90.27	180.43	10,027.1	-8,026.1	-1,006.7	8,076.7	0.00	0.00	0.00
18,300.0	90.27	180.43	10,026.6	-8,126.1	-1,007.4	8,176.5	0.00	0.00	0.00
18,400.0	90.27	180.43	10,026.2	-8,226.1	-1,008.2	8,276.3	0.00	0.00	0.00
18,500.0	90.27	180.43	10,025.7	-8,326.1	-1,008.9	8,376.1	0.00	0.00	0.00
18,600.0	90.27	180.43	10,025.2	-8,426.1	-1,009.7	8,475.9	0.00	0.00	0.00
18,700.0	90.27	180.43	10,024.8	-8,526.1	-1,010.4	8,575.7	0.00	0.00	0.00
18,800.0	90.27	180.43	10,024.3	-8,626.1	-1,011.2	8,675.5	0.00	0.00	0.00
18,900.0	90.27	180.43	10,023.8	-8,726.1	-1,011.9	8,775.3	0.00	0.00	0.00
19,000.0	90.27	180.43	10,023.4	-8,826.1	-1,012.7	8,875.1	0.00	0.00	0.00
19,100.0	90.27	180.43	10,022.9	-8,926.0	-1,013.4	8,974.9	0.00	0.00	0.00
19,200.0	90.27	180.43	10,022.4	-9,026.0	-1,014.2	9,074.8	0.00	0.00	0.00
19,300.0	90.27	180.43	10,022.0	-9,126.0	-1,014.9	9,174.6	0.00	0.00	0.00
19,400.0	90.27	180.43	10,021.5	-9,226.0	-1,015.7	9,274.4	0.00	0.00	0.00
19,500.0	90.27	180.43	10,021.1	-9,326.0	-1,016.4	9,374.2	0.00	0.00	0.00
19,600.0	90.27	180.43	10,020.6	-9,426.0	-1,017.2	9,474.0	0.00	0.00	0.00
19,700.0	90.27	180.43	10,020.1	-9,526.0	-1,017.9	9,573.8	0.00	0.00	0.00
19,800.0	90.27	180.43	10,019.7	-9,626.0	-1,018.7	9,673.6	0.00	0.00	0.00
19,900.0	90.27	180.43	10,019.2	-9,726.0	-1,019.4	9,773.4	0.00	0.00	0.00
20,000.0	90.27	180.43	10,018.7	-9,826.0	-1,020.2	9,873.2	0.00	0.00	0.00
20,100.0	90.27	180.43	10,018.3	-9,926.0	-1,020.9	9,973.0	0.00	0.00	0.00
20,200.0	90.27	180.43	10,017.8	-10,026.0	-1,021.7	10,072.8	0.00	0.00	0.00
20,300.0	90.27	180.43	10,017.3	-10,126.0	-1,022.4	10,172.6	0.00	0.00	0.00
20,400.0	90.27	180.43	10,016.9	-10,226.0	-1,023.2	10,272.4	0.00	0.00	0.00
20,478.4	90.27	180.43	10,016.5	-10,304.4	-1,023.8	10,350.7	0.00	0.00	0.00
Start DLS 2.00 TFO 89.22									
20,483.2	90.27	180.53	10,016.5	-10,309.2	-1,023.8	10,355.5	2.00	0.03	2.00
Start 5021.8 hold at 20483.2 MD									

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	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)
20,500.0	90.27	180.53	10,016.4	-10,326.0	-1,024.0	10,372.2	0.00	0.00	0.00
20,600.0	90.27	180.53	10,015.9	-10,426.0	-1,024.9	10,472.0	0.00	0.00	0.00
20,700.0	90.27	180.53	10,015.5	-10,526.0	-1,025.8	10,571.9	0.00	0.00	0.00
20,800.0	90.27	180.53	10,015.0	-10,626.0	-1,026.7	10,671.7	0.00	0.00	0.00
20,900.0	90.27	180.53	10,014.5	-10,726.0	-1,027.7	10,771.5	0.00	0.00	0.00
21,000.0	90.27	180.53	10,014.1	-10,826.0	-1,028.6	10,871.3	0.00	0.00	0.00
21,100.0	90.27	180.53	10,013.6	-10,926.0	-1,029.5	10,971.1	0.00	0.00	0.00
21,200.0	90.27	180.53	10,013.1	-11,026.0	-1,030.4	11,070.9	0.00	0.00	0.00
21,300.0	90.27	180.53	10,012.7	-11,125.9	-1,031.3	11,170.8	0.00	0.00	0.00
21,400.0	90.27	180.53	10,012.2	-11,225.9	-1,032.2	11,270.6	0.00	0.00	0.00
21,500.0	90.27	180.53	10,011.7	-11,325.9	-1,033.2	11,370.4	0.00	0.00	0.00
21,600.0	90.27	180.53	10,011.3	-11,425.9	-1,034.1	11,470.2	0.00	0.00	0.00
21,700.0	90.27	180.53	10,010.8	-11,525.9	-1,035.0	11,570.0	0.00	0.00	0.00
21,800.0	90.27	180.53	10,010.3	-11,625.9	-1,035.9	11,669.8	0.00	0.00	0.00
21,900.0	90.27	180.53	10,009.9	-11,725.9	-1,036.8	11,769.7	0.00	0.00	0.00
22,000.0	90.27	180.53	10,009.4	-11,825.9	-1,037.8	11,869.5	0.00	0.00	0.00
22,100.0	90.27	180.53	10,008.9	-11,925.9	-1,038.7	11,969.3	0.00	0.00	0.00
22,200.0	90.27	180.53	10,008.5	-12,025.9	-1,039.6	12,069.1	0.00	0.00	0.00
22,300.0	90.27	180.53	10,008.0	-12,125.9	-1,040.5	12,168.9	0.00	0.00	0.00
22,400.0	90.27	180.53	10,007.5	-12,225.9	-1,041.4	12,268.7	0.00	0.00	0.00
22,500.0	90.27	180.53	10,007.0	-12,325.9	-1,042.4	12,368.5	0.00	0.00	0.00
22,600.0	90.27	180.53	10,006.6	-12,425.9	-1,043.3	12,468.4	0.00	0.00	0.00
22,700.0	90.27	180.53	10,006.1	-12,525.9	-1,044.2	12,568.2	0.00	0.00	0.00
22,800.0	90.27	180.53	10,005.6	-12,625.9	-1,045.1	12,668.0	0.00	0.00	0.00
22,900.0	90.27	180.53	10,005.2	-12,725.9	-1,046.0	12,767.8	0.00	0.00	0.00
23,000.0	90.27	180.53	10,004.7	-12,825.9	-1,047.0	12,867.6	0.00	0.00	0.00
23,100.0	90.27	180.53	10,004.2	-12,925.9	-1,047.9	12,967.4	0.00	0.00	0.00
23,200.0	90.27	180.53	10,003.8	-13,025.8	-1,048.8	13,067.3	0.00	0.00	0.00
23,300.0	90.27	180.53	10,003.3	-13,125.8	-1,049.7	13,167.1	0.00	0.00	0.00
23,400.0	90.27	180.53	10,002.8	-13,225.8	-1,050.6	13,266.9	0.00	0.00	0.00
23,500.0	90.27	180.53	10,002.4	-13,325.8	-1,051.6	13,366.7	0.00	0.00	0.00
23,600.0	90.27	180.53	10,001.9	-13,425.8	-1,052.5	13,466.5	0.00	0.00	0.00
23,700.0	90.27	180.53	10,001.4	-13,525.8	-1,053.4	13,566.3	0.00	0.00	0.00
23,800.0	90.27	180.53	10,001.0	-13,625.8	-1,054.3	13,666.2	0.00	0.00	0.00
23,900.0	90.27	180.53	10,000.5	-13,725.8	-1,055.2	13,766.0	0.00	0.00	0.00
24,000.0	90.27	180.53	10,000.0	-13,825.8	-1,056.2	13,865.8	0.00	0.00	0.00
24,100.0	90.27	180.53	9,999.6	-13,925.8	-1,057.1	13,965.6	0.00	0.00	0.00
24,200.0	90.27	180.53	9,999.1	-14,025.8	-1,058.0	14,065.4	0.00	0.00	0.00
24,300.0	90.27	180.53	9,998.6	-14,125.8	-1,058.9	14,165.2	0.00	0.00	0.00
24,400.0	90.27	180.53	9,998.2	-14,225.8	-1,059.8	14,265.1	0.00	0.00	0.00
24,500.0	90.27	180.53	9,997.7	-14,325.8	-1,060.8	14,364.9	0.00	0.00	0.00
24,600.0	90.27	180.53	9,997.2	-14,425.8	-1,061.7	14,464.7	0.00	0.00	0.00

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
24,700.0	90.27	180.53	9,996.8	-14,525.8	-1,062.6	14,564.5	0.00	0.00	0.00
24,800.0	90.27	180.53	9,996.3	-14,625.8	-1,063.5	14,664.3	0.00	0.00	0.00
24,900.0	90.27	180.53	9,995.8	-14,725.8	-1,064.4	14,764.1	0.00	0.00	0.00
25,000.0	90.27	180.53	9,995.4	-14,825.8	-1,065.4	14,863.9	0.00	0.00	0.00
25,100.0	90.27	180.53	9,994.9	-14,925.7	-1,066.3	14,963.8	0.00	0.00	0.00
25,200.0	90.27	180.53	9,994.4	-15,025.7	-1,067.2	15,063.6	0.00	0.00	0.00
25,300.0	90.27	180.53	9,994.0	-15,125.7	-1,068.1	15,163.4	0.00	0.00	0.00
25,400.0	90.27	180.53	9,993.5	-15,225.7	-1,069.0	15,263.2	0.00	0.00	0.00
25,500.0	90.27	180.53	9,993.0	-15,325.7	-1,070.0	15,363.0	0.00	0.00	0.00
25,505.0	90.27	180.53	9,993.0	-15,330.7	-1,070.0	15,368.0	0.00	0.00	0.00
TD at 25505.0									

Design Targets

Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL(ROCK JELLY F - plan hits target center - Rectangle (sides W100.0 H5,035.0 D20.0)	0.27	0.53	9,993.0	-15,330.7	-1,070.0	376,909.80	609,769.30	32° 2' 8.681 N	103° 58' 44.746 W
LTP(ROCK JELLY FE - plan misses target center by 1.9usft at 25374.9usft MD (9993.6 TVD, -15200.6 N, -1068.8 E) - Point	0.00	0.00	9,993.0	-15,200.6	-1,070.6	377,039.90	609,768.70	32° 2' 9.969 N	103° 58' 44.748 W
POI#2(ROCK JELLY I - plan hits target center - Rectangle (sides W100.0 H5,330.0 D20.0)	0.27	0.43	10,016.5	-10,304.4	-1,023.8	381,936.11	609,815.53	32° 2' 58.423 N	103° 58' 44.018 W
POI#1(ROCK JELLY I - plan hits target center - Rectangle (sides W100.0 H5,240.0 D20.0)	0.27	358.21	10,041.3	-4,973.7	-985.9	387,266.83	609,853.42	32° 3' 51.177 N	103° 58' 43.374 W
FTP(ROCK JELLY FE - plan misses target center by 90.1usft at 10193.2usft MD (9988.2 TVD, -34.9 N, -1140.0 E) - Circle (radius 50.0)	0.00	0.00	10,063.0	15.4	-1,141.0	392,255.90	609,698.30	32° 4' 40.556 N	103° 58' 44.986 W

Plan Annotations

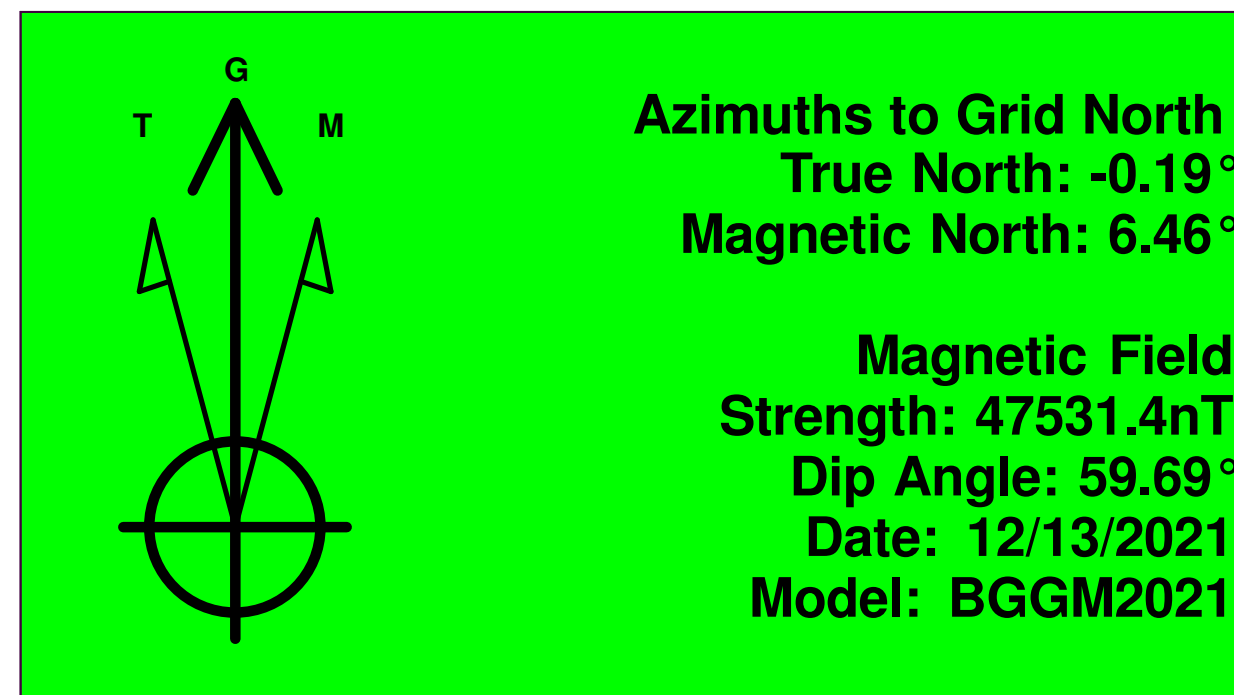
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
2000	2000	0	0	Start Build 2.00
2500	2497	9	-42	Start 6025.9 hold at 2500.0 MD
8526	8432	236	-1064	Start Drop -1.00
9526	9427	255	-1149	Start 63.2 hold at 9525.9 MD
9589	9490	255	-1149	Start DLS 10.00 TFO 178.21
10,492	10,063	-320	-1131	Start 4655.6 hold at 10491.8 MD
15,147	10,041	-4974	-986	Start DLS 2.00 TFO 89.99
15,258	10,041	-5085	-985	Start 5220.1 hold at 15258.3 MD
20,478	10,017	-10,304	-1024	Start DLS 2.00 TFO 89.22
20,483	10,016	-10,309	-1024	Start 5021.8 hold at 20483.2 MD
25,505	9993	-15,331	-1070	TD at 25505.0

ConocoPhillips

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=25' @ 3003.3usft (P84)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=25' @ 3003.3usft (P84)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDT 15 Central Prod

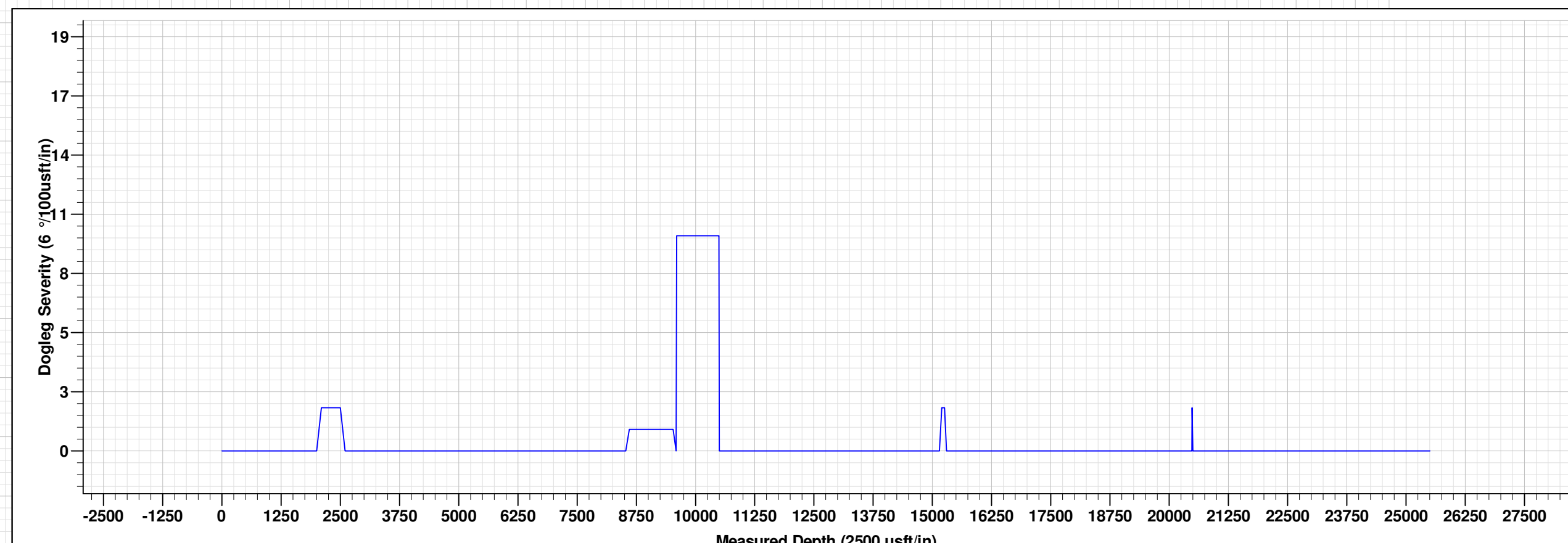
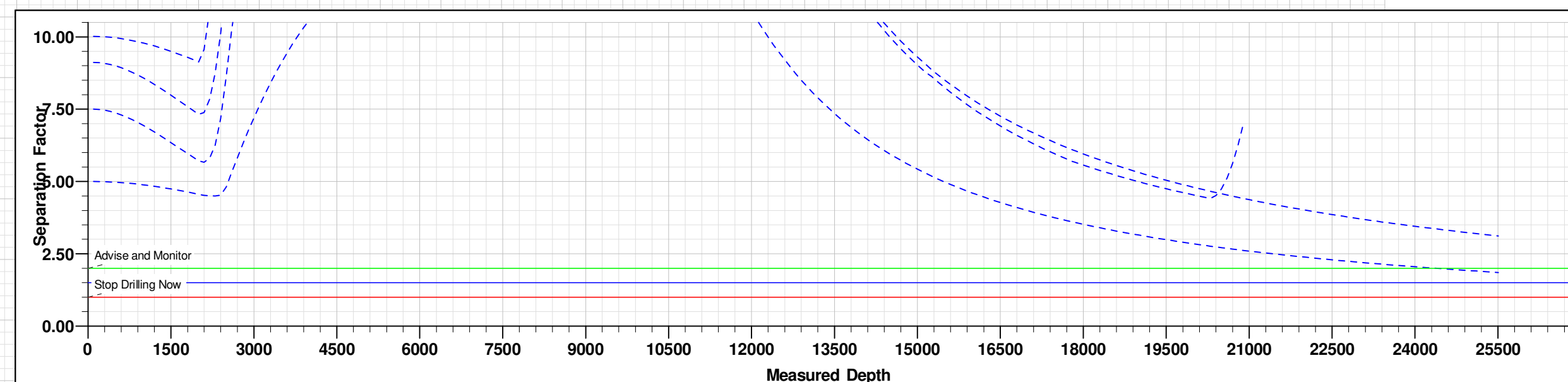
Checked By: _____ Approved By: _____ Date: _____



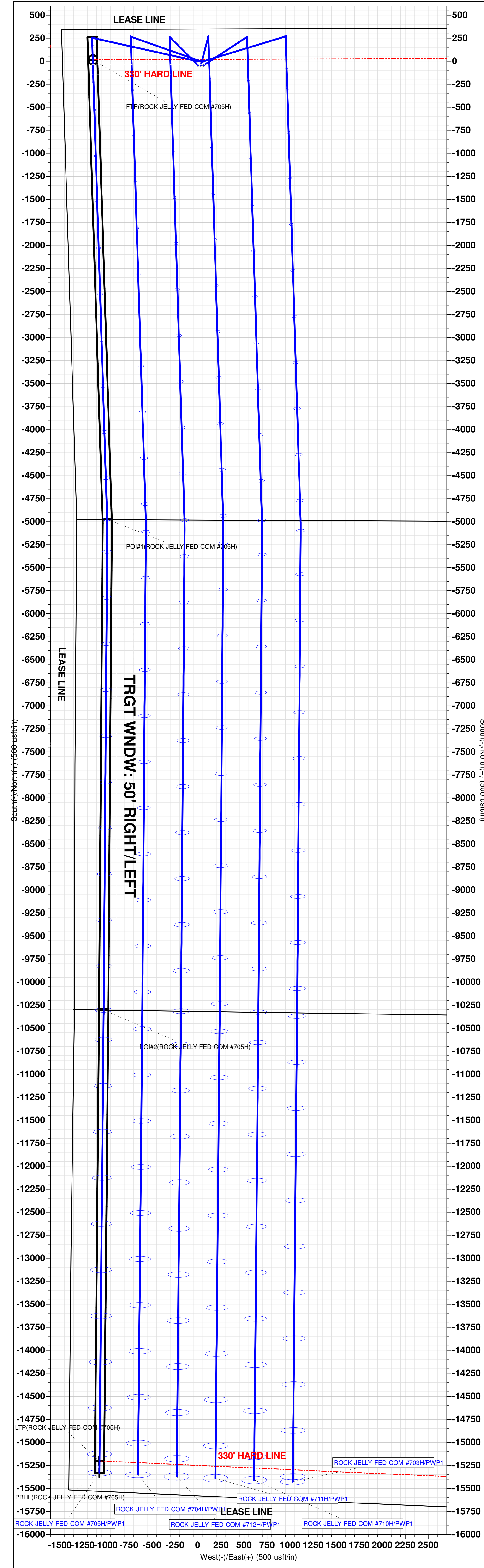
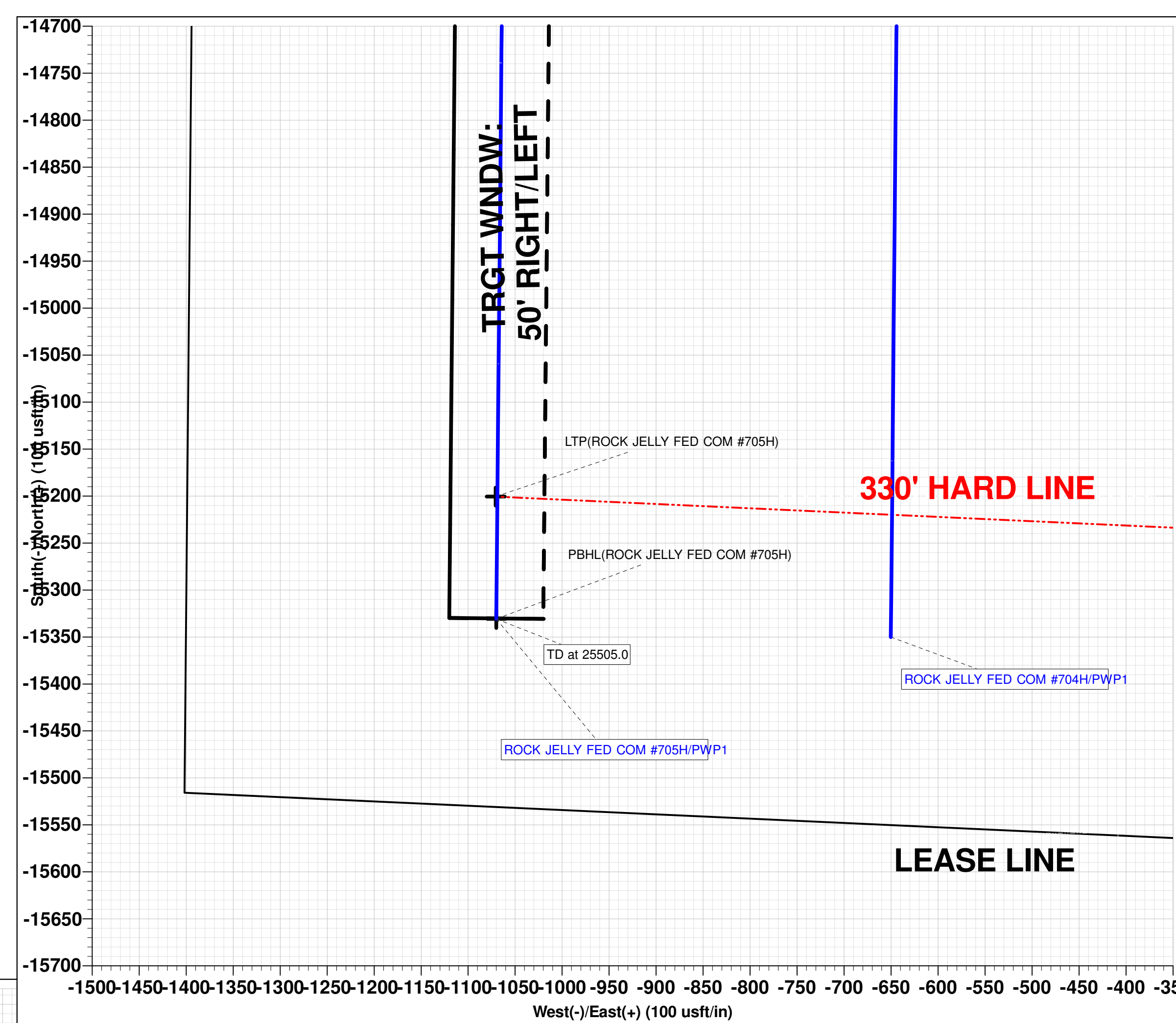
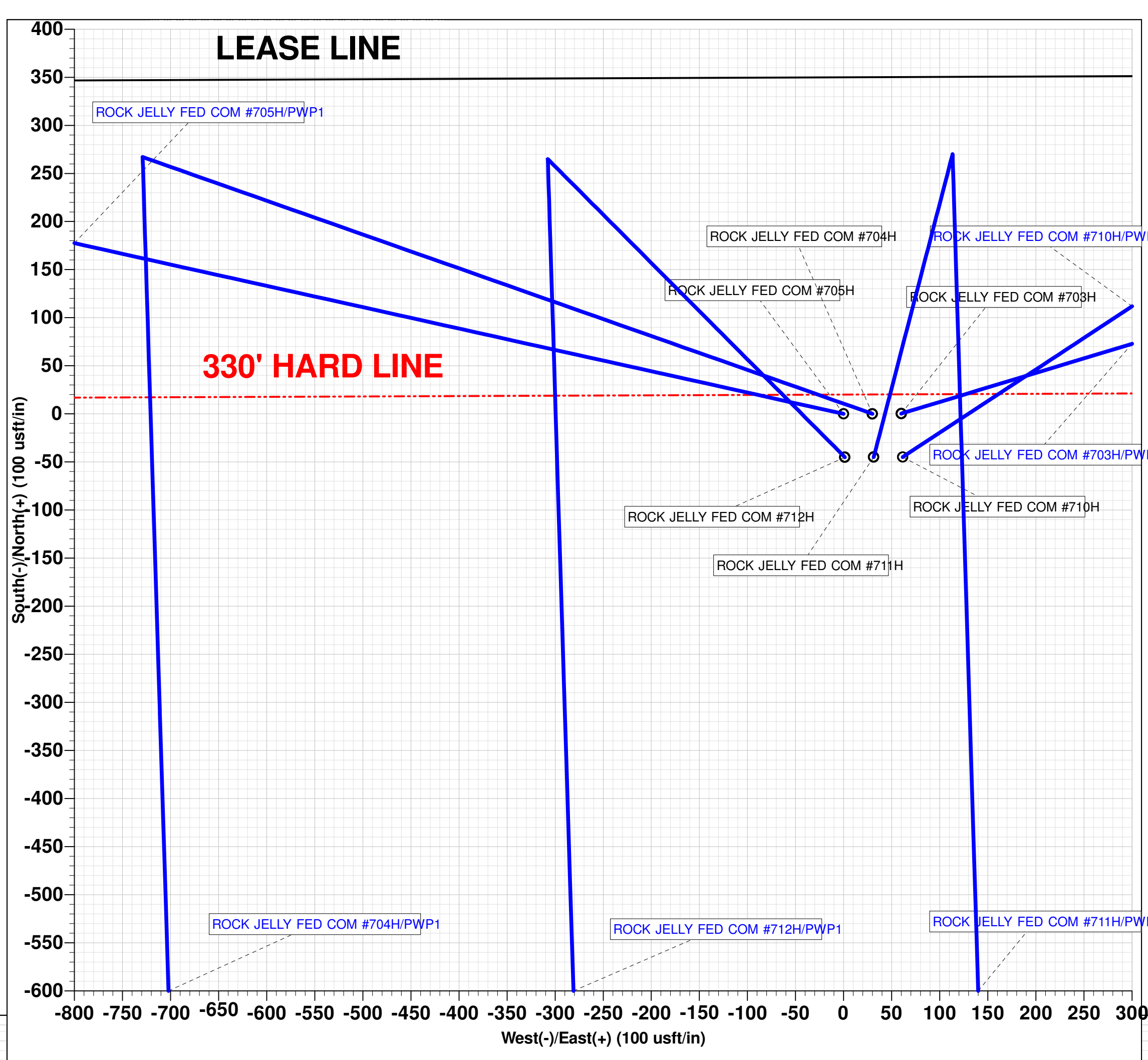
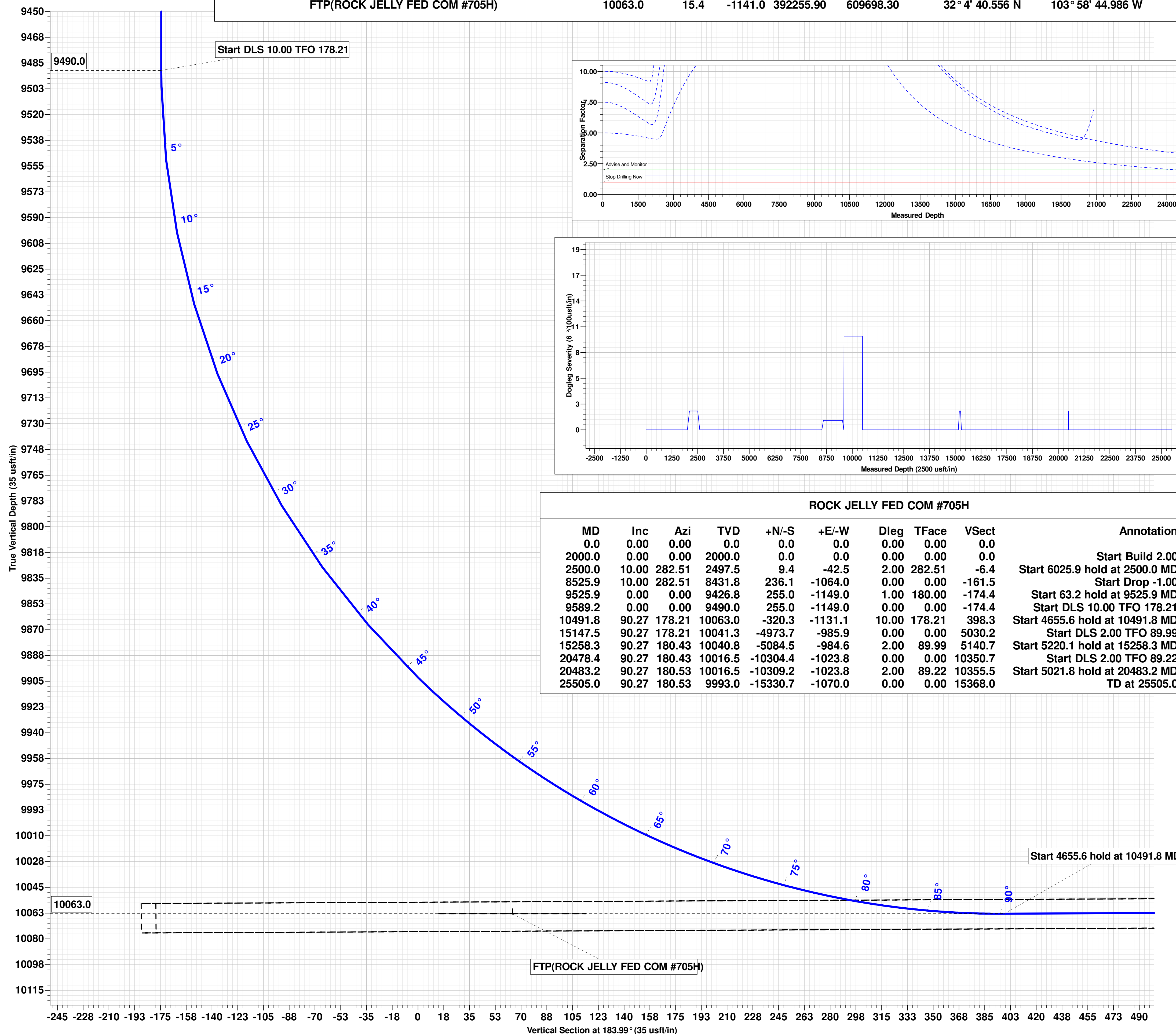
Project: ATLAS PROSPECT (NM-E)
Site: ROCK JELLY FEDERAL PROJECT (ATLAS 2629)
Well: ROCK JELLY FED COM #705H
Wellbore: OWB
Design: PWP1
GL: 2978.3
KB=25' @ 3003.3usft (P84)

WELL DETAILS: ROCK JELLY FED COM #705H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	392240.50	610839.30	32° 4' 40.366 N	103° 58' 31.725 W

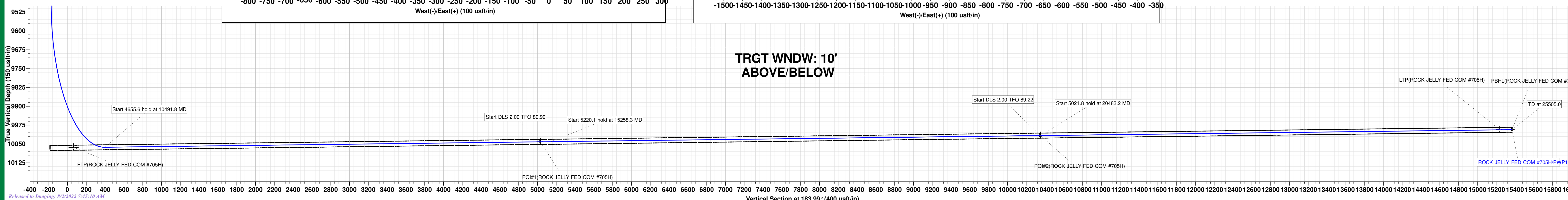
DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP(ROCK JELLY FED COM #705H)	9993.0	-15200.6	-1070.6	377039.90	609768.70	32° 2' 9.969 N
PBHL(ROCK JELLY FED COM #705H)	9993.0	-15330.7	-1070.0	376909.80	609769.30	32° 2' 8.681 N
POI#2(ROCK JELLY FED COM #705H)	10016.5	-10304.4	-1023.8	381936.11	609815.52	32° 2' 58.423 N
POI#1(ROCK JELLY FED COM #705H)	10041.3	-4973.7	-985.9	387266.83	609853.42	32° 3' 51.177 N
FTP(ROCK JELLY FED COM #705H)	10063.0	15.4	-1141.0	392255.90	609698.30	32° 4' 40.556 N



ROCK JELLY FED COM #705H										
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	
2500.0	10.00	282.51	2497.5	9.4	-42.5	2.00	282.51	-6.4	Start 6025.9 hold at 2500.0 MD	
8525.9	10.00	282.51	8431.8	236.1	-1064.0	0.00	0.00	-161.5	Start Drop -1.00	
9525.9	0.00	0.00	9426.8	255.0	-1149.0	1.00	180.00	-174.4	Start 63.2 hold at 9525.9 MD	
9589.2	0.00	0.00	9490.0	255.0	-1149.0	0.00	0.00	-174.4	Start DLS 10.00 TFO 178.21	
10491.8	90.27	178.21	10063.0	-320.3	-1131.1	10.00	178.21	398.3	Start 4655.6 hold at 10491.8 MD	
15147.5	90.27	178.21	10041.3	-4973.7	-985.9	0.00	0.00	5030.2	Start DLS 2.00 TFO 89.99	
15258.3	90.27	180.43	10040.8	-5084.5	-984.6	2.00	89.99	5140.7	Start 5220.1 hold at 15258.3 MD	
20478.4	90.27	180.43	10016.5	-10304.4	-1023.8	0.00	0.00	10350.7	Start DLS 2.00 TFO 89.22	
20483.2	90.27	180.53	10016.5	-10309.2	-1023.8	2.00	89.22	10355.5	Start 5021.8 hold at 20483.2 MD	
25505.0	90.27	180.53	9993.0	-15330.7	-1070.0	0.00	0.00	15368.0	TD at 25505.0	



TRGT WNDW: 10'
ABOVE/BELOW



District I

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

District II

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

District III

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

District IV

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

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

COMMENTS

Action 130216

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130216
	Action Type: [C-103] NOI Change of Plans (C-103A)

COMMENTS

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

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 130216

CONDITIONS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701	OGRID: 229137
	Action Number: 130216
	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