

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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

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

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		8. Well Name and No. ROCK JELLY FEDERAL COM 705H
2. Name of Operator COG OPERATING LLC		9. API Well No. 30-015-47579-00-X1
3a. Address 600 W ILLINOIS AVENUE MIDLAND, TX 79701	3b. Phone No. (include area code) Ph: 432.683.7443	10. Field and Pool or Exploratory Area PURPLE SAGE-WOLFCAMP (GAS)
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 3 T26S R29E NENW 350FNL 1470FWL 32.078003 N Lat, 103.975960 W Lon		11. County or Parish, State EDDY COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original APD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 recomplete 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 recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

COG Operating requests an amendment to our approved APD for this well to reflect a change in BHL and lateral length as attached.

Change BHL to: 200' FSL & 430' FEL SWSW 15-26S-29E Eddy Co., NM

Entered - KMS NMOCD

14. I hereby certify that the foregoing is true and correct.	
Electronic Submission #535478 verified by the BLM Well Information System For COG OPERATING LLC, sent to the Carlsbad Committed to AFMSS for processing by PRISCILLA PEREZ on 10/27/2020 (21PP0365SE)	
Name (Printed/Typed) STAN WAGNER	Title
Signature (Electronic Submission)	Date 10/27/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>JENNIFER SANCHEZ</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>10/28/2020</u>
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 <u>Carlsbad</u>

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)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Revisions to Operator-Submitted EC Data for Sundry Notice #535478

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM13997	NMNM138834
Agreement:		
Operator:	COG OPERATING LLC ATTN STAN WAGNER 600 WEST ILLINOIS AVE MIDLAND, TX 79701 Ph: 432-253-9685	COG OPERATING LLC 600 W ILLINOIS AVENUE MIDLAND, TX 79701 Ph: 432.685.4385
Admin Contact:	STAN WAGNER REGULATORY ADVISOR E-Mail: swagner@concho.com Ph: 432-253-9685	STAN WAGNER Ph: 432.683.7443
Tech Contact:	STAN WAGNER REGULATORY ADVISOR E-Mail: swagner@concho.com Ph: 432-253-9685	STAN WAGNER Ph: 432.683.7443
Location:		
State:	NM	NM
County:	EDDY	EDDY
Field/Pool:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	ROCK JELLY FEDERAL COM 705H Sec 3 T26S R29E Mer NMP NENE 350FNL 1470FWL	ROCK JELLY FEDERAL COM 705H Sec 3 T26S R29E NENW 350FNL 1470FWL 32.078003 N Lat, 103.975960 W Lon

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (876) 393-6161 Fax: (876) 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) 478-3480 Fax: (505) 478-3482

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

X 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	
OGRID No. 229137	Operator Name COG OPERATING, LLC	
		Well Number 705H
		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
C	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	430	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
1920			

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

FIP
330' FNL & 430' FWL
Y=392314.2 N
X=650983.6 E
LAT.=32.078057° N
LONG.=103.979323° W
GRID AZ. TO FIP
270°52'27"

LEASE X-ING
LAT.=32.075271° N
LONG.=103.979319° W

LEASE X-ING
LAT.=32.064326° N
LONG.=103.979301° W

LEASE X-ING
LAT.=32.057006° N
LONG.=103.979290° W

LEASE X-ING
LAT.=32.049685° N
LONG.=103.979278° W

LTP
330' FSL & 428' FWL
Y=377092.9 N
X=651054.3 E
LAT.=32.036214° N
LONG.=103.979256° W

B.H.
200'

GRID AZ. 179°44'02"
HORZ. DIST. 15351.6'

NAD 83 NME SURFACE LOCATION
Y=392298.3 N
X=652024.6 E
LAT.=32.078004° N
LONG.=103.975963° W

POINT LEGEND	
1	Y=392842.4 N X=650543.2 E
2	Y=389981.5 N X=650625.9 E
3	Y=387320.8 N X=650708.8 E
4	Y=384659.4 N X=650689.8 E
5	Y=381998.4 N X=650671.1 E
6	Y=378782.3 N X=650623.2 E
7	Y=376657.8 N X=653341.0 E
8	Y=381960.3 N X=653363.4 E
9	Y=392853.1 N X=653204.1 E

NAD 83 NME PROPOSED BOTTOM HOLE LOCATION
Y=376962.7 N
X=651054.9 E
LAT.=32.035856° N
LONG.=103.979256° W

OPERATOR CERTIFICATION

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

Stan Wagner 10/27/2020
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.

OCTOBER 11, 2019
Date of Survey

Signature & Seal of Professional Surveyor

Chad Hargrow 5/27/20
Certificate No. CHAD HARGROW 17777
W.O. # 20-741 DRAWN BY: DS

Intent As Drilled

API #
30-015-47579

Operator Name: COG Operating LLC	Property Name: Rock Jelly Federal Com	Well Number 705H
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Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
C	3	26S	29E						Eddy
Latitude					Longitude				NAD 83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	3	26S	29E		330	North	430	West	Eddy
Latitude 32.078057					Longitude -103.979323				NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	15	26S	29E		330	South	428	West	Eddy
Latitude 32.036214					Longitude -103.979256				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? No

Is this well an infill well? Yes

If infill is yes please provide API if available, Operator Name and well number for Defining well for Horizontal Spacing Unit.

API #
30-015-47581

Operator Name: COG Operating LLC	Property Name: Rock Jelly Federal Com	Well Number 703H
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DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #705H

OWB

PWP2

Anticollision Report

02 July, 2020

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference	PWP2		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date	7/2/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	25,457.7	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

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
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
JR'S HORZ FEDERAL COM #3H - OWB - ACTUAL WEL						Out of range
PECOS EAST FEDERAL COM 22 14H - OWB - AWP						Out of range
REPOSADO 2 STATE COM #3H - LATERAL 01 - AWP-L						Out of range
REPOSADO 2 STATE COM #3H - LATERAL 02 - AWP-L						Out of range
REPOSADO 2 STATE COM #3H - OWB-PILOT HOLE -						Out of range
ROCK JELLY FED COM #701H - OWB - PWP2						Out of range
ROCK JELLY FED COM #702H - OWB - PWP2						Out of range
ROCK JELLY FED COM #703H - OWB - PWP2	2,416.6	2,416.9	60.1	42.2	3.356	CC
ROCK JELLY FED COM #703H - OWB - PWP2	2,500.0	2,500.0	60.1	41.6	3.254	ES, SF
ROCK JELLY FED COM #704H - OWB - PWP2	2,416.6	2,416.7	30.0	17.6	2.425	CC
ROCK JELLY FED COM #704H - OWB - PWP2	2,500.0	2,500.1	30.0	17.3	2.365	ES, SF
Surface Wells						
PECOSEASTFEDERAL223H - PECOSEASTFEDERAL2						Out of range
PECOSEASTFEDERAL229H - PECOSEASTFEDERAL2						Out of range

Offset Design												Offset Site Error:	0.0 usft	
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft	
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
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	6.01	10.007		
200.0	200.0	200.3	200.3	3.0	3.0	89.71	0.3	60.1	60.1	54.0	6.08	9.886		
300.0	300.0	300.3	300.3	3.1	3.1	89.71	0.3	60.1	60.1	53.9	6.24	9.639		
400.0	400.0	400.3	400.3	3.2	3.2	89.71	0.3	60.1	60.1	53.6	6.47	9.293		
500.0	500.0	500.3	500.3	3.4	3.4	89.71	0.3	60.1	60.1	53.3	6.77	8.881		
600.0	600.0	600.3	600.3	3.6	3.6	89.71	0.3	60.1	60.1	53.0	7.13	8.432		
700.0	700.0	700.3	700.3	3.8	3.8	89.71	0.3	60.1	60.1	52.6	7.54	7.972		
800.0	800.0	800.3	800.3	4.0	4.0	89.71	0.3	60.1	60.1	52.1	7.99	7.519		
900.0	900.0	900.3	900.3	4.2	4.2	89.71	0.3	60.1	60.1	51.6	8.48	7.084		
1,000.0	1,000.0	1,000.3	1,000.3	4.5	4.5	89.71	0.3	60.1	60.1	51.1	9.01	6.674		
1,100.0	1,100.0	1,100.3	1,100.3	4.8	4.8	89.71	0.3	60.1	60.1	50.5	9.55	6.292		

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #703H - OWB - PWP2	Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR														Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
1,200.0	1,200.0	1,200.3	1,200.3	5.1	5.1	89.71	0.3	60.1	60.1	50.0	10.12	5.939			
1,300.0	1,300.0	1,300.3	1,300.3	5.4	5.4	89.71	0.3	60.1	60.1	49.4	10.71	5.614			
1,400.0	1,400.0	1,400.3	1,400.3	5.7	5.7	89.71	0.3	60.1	60.1	48.8	11.31	5.316			
1,500.0	1,500.0	1,500.3	1,500.3	6.0	6.0	89.71	0.3	60.1	60.1	48.2	11.92	5.042			
1,600.0	1,600.0	1,600.3	1,600.3	6.3	6.3	89.71	0.3	60.1	60.1	47.6	12.54	4.791			
1,700.0	1,700.0	1,700.3	1,700.3	6.6	6.6	89.71	0.3	60.1	60.1	46.9	13.18	4.560			
1,800.0	1,800.0	1,800.3	1,800.3	6.9	6.9	89.71	0.3	60.1	60.1	46.3	13.82	4.348			
1,900.0	1,900.0	1,900.3	1,900.3	7.2	7.2	89.71	0.3	60.1	60.1	45.6	14.47	4.153			
2,000.0	2,000.0	2,000.3	2,000.3	7.6	7.6	89.71	0.3	60.1	60.1	45.0	15.13	3.973			
2,100.0	2,100.0	2,100.3	2,100.3	7.9	7.9	89.71	0.3	60.1	60.1	44.3	15.79	3.807			
2,200.0	2,200.0	2,200.3	2,200.3	8.2	8.2	89.71	0.3	60.1	60.1	43.6	16.45	3.653			
2,300.0	2,300.0	2,300.3	2,300.3	8.6	8.6	89.71	0.3	60.1	60.1	43.0	17.12	3.510			
2,400.0	2,400.0	2,400.3	2,400.3	8.9	8.9	89.71	0.3	60.1	60.1	42.3	17.79	3.377			
2,416.6	2,416.6	2,416.9	2,416.9	9.0	9.0	89.71	0.3	60.1	60.1	42.2	17.91	3.356 CC			
2,500.0	2,500.0	2,500.0	2,500.0	9.2	9.2	89.71	0.3	60.1	60.1	41.6	18.47	3.254 ES, SF			
2,600.0	2,600.0	2,598.1	2,598.1	9.6	9.6	179.73	0.3	61.8	63.6	44.4	19.12	3.325			
2,700.0	2,699.9	2,696.6	2,696.5	9.9	9.9	179.76	0.3	66.5	71.8	52.1	19.75	3.636			
2,800.0	2,799.9	2,796.2	2,795.9	10.2	10.2	179.79	0.3	71.7	80.5	60.1	20.40	3.947			
2,900.0	2,899.8	2,895.8	2,895.4	10.5	10.5	179.81	0.3	76.9	89.2	68.2	21.05	4.238			
3,000.0	2,999.7	2,995.5	2,994.9	10.9	10.9	179.82	0.3	82.1	97.9	76.2	21.71	4.511			
3,100.0	3,099.7	3,095.1	3,094.4	11.2	11.2	179.84	0.3	87.3	106.7	84.3	22.38	4.767			
3,200.0	3,199.6	3,194.7	3,193.9	11.5	11.5	179.85	0.3	92.5	115.4	92.3	23.04	5.007			
3,300.0	3,299.6	3,294.3	3,293.4	11.9	11.9	179.86	0.3	97.7	124.1	100.4	23.71	5.233			
3,400.0	3,399.5	3,393.9	3,392.8	12.2	12.2	179.87	0.3	103.0	132.8	108.4	24.38	5.447			
3,500.0	3,499.4	3,493.5	3,492.3	12.6	12.5	179.88	0.3	108.2	141.5	116.5	25.06	5.648			
3,600.0	3,599.4	3,593.2	3,591.8	12.9	12.9	179.89	0.3	113.4	150.2	124.5	25.73	5.838			
3,700.0	3,699.3	3,692.8	3,691.3	13.2	13.2	179.89	0.3	118.6	159.0	132.5	26.41	6.018			
3,800.0	3,799.2	3,792.4	3,790.8	13.6	13.6	179.90	0.3	123.8	167.7	140.6	27.09	6.189			
3,900.0	3,899.2	3,892.0	3,890.3	13.9	13.9	179.90	0.3	129.0	176.4	148.6	27.78	6.350			
4,000.0	3,999.1	3,991.6	3,989.7	14.3	14.3	179.91	0.3	134.2	185.1	156.6	28.46	6.504			
4,100.0	4,099.1	4,091.3	4,089.2	14.6	14.6	179.91	0.3	139.5	193.8	164.7	29.15	6.650			
4,200.0	4,199.0	4,190.9	4,188.7	15.0	14.9	179.91	0.3	144.7	202.5	172.7	29.83	6.789			
4,300.0	4,298.9	4,290.5	4,288.2	15.3	15.3	179.92	0.3	149.9	211.2	180.7	30.52	6.921			
4,400.0	4,398.9	4,390.1	4,387.7	15.7	15.6	179.92	0.3	155.1	220.0	188.8	31.21	7.047			
4,500.0	4,498.8	4,489.7	4,487.2	16.0	16.0	179.92	0.3	160.3	228.7	196.8	31.90	7.168			
4,600.0	4,598.8	4,589.4	4,586.6	16.4	16.3	179.93	0.3	165.5	237.4	204.8	32.60	7.283			
4,700.0	4,698.7	4,689.0	4,686.1	16.7	16.7	179.93	0.3	170.7	246.1	212.8	33.29	7.393			
4,800.0	4,798.6	4,788.6	4,785.6	17.0	17.0	179.93	0.3	176.0	254.8	220.8	33.98	7.498			
4,900.0	4,898.6	4,888.2	4,885.1	17.4	17.4	179.93	0.3	181.2	263.5	228.9	34.68	7.599			
5,000.0	4,998.5	4,987.8	4,984.6	17.7	17.7	179.94	0.3	186.4	272.3	236.9	35.38	7.696			
5,100.0	5,098.5	5,087.5	5,084.1	18.1	18.1	179.94	0.3	191.6	281.0	244.9	36.07	7.789			
5,200.0	5,198.4	5,187.1	5,183.5	18.4	18.4	179.94	0.3	196.8	289.7	252.9	36.77	7.878			
5,300.0	5,298.3	5,286.7	5,283.0	18.8	18.8	179.94	0.3	202.0	298.4	260.9	37.47	7.964			
5,400.0	5,398.3	5,386.3	5,382.5	19.1	19.1	179.94	0.3	207.2	307.1	268.9	38.17	8.046			
5,500.0	5,498.2	5,485.9	5,482.0	19.5	19.5	179.95	0.3	212.4	315.8	277.0	38.87	8.126			
5,600.0	5,598.1	5,576.6	5,572.5	19.9	19.8	179.95	0.3	218.2	324.4	287.9	39.48	8.293			
5,650.0	5,647.9	5,620.8	5,616.5	20.0	19.9	179.95	0.3	222.1	335.7	295.9	39.77	8.439			
5,700.0	5,697.7	5,666.5	5,662.0	20.2	20.1	179.95	0.3	226.7	345.0	305.0	40.08	8.609			
5,800.0	5,797.3	5,764.7	5,759.6	20.6	20.5	179.95	0.3	236.9	364.1	323.3	40.77	8.930			
5,900.0	5,897.0	5,862.8	5,857.2	20.9	20.8	179.95	0.3	247.2	383.2	341.7	41.47	9.241			
6,000.0	5,996.6	5,961.0	5,954.8	21.3	21.2	179.96	0.3	257.5	402.3	360.1	42.16	9.541			

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #703H - OWB - PWP2	Offset Site Error:	0.0 usft	
Survey Program: 0-MWD+IFR1+FDIR															Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor				
6,100.0	6,096.2	6,059.2	6,052.5	21.6	21.5	179.96	0.3	267.7	421.4	378.5	42.86	9.831				
6,200.0	6,195.8	6,157.3	6,150.1	22.0	21.9	179.96	0.3	278.0	440.4	396.9	43.56	10.111				
6,300.0	6,295.4	6,255.5	6,247.7	22.3	22.2	179.96	0.3	288.2	459.5	415.3	44.26	10.383				
6,400.0	6,395.1	6,353.6	6,345.3	22.7	22.6	179.96	0.3	298.5	478.6	433.6	44.96	10.646				
6,500.0	6,494.7	6,451.8	6,443.0	23.0	22.9	179.96	0.3	308.8	497.7	452.0	45.66	10.901				
6,600.0	6,594.3	6,550.0	6,540.6	23.4	23.3	179.97	0.3	319.0	516.8	470.4	46.36	11.147				
6,700.0	6,693.9	6,648.1	6,638.2	23.8	23.6	179.97	0.3	329.3	535.8	488.8	47.06	11.387				
6,800.0	6,793.5	6,746.3	6,735.8	24.1	24.0	179.97	0.3	339.5	554.9	507.2	47.76	11.619				
6,900.0	6,893.2	6,844.5	6,833.5	24.5	24.3	179.97	0.3	349.8	574.0	525.5	48.46	11.845				
7,000.0	6,992.8	6,942.6	6,931.1	24.8	24.7	179.97	0.3	360.1	593.1	543.9	49.16	12.063				
7,100.0	7,092.4	7,040.8	7,028.7	25.2	25.0	179.97	0.3	370.3	612.2	562.3	49.87	12.276				
7,200.0	7,192.0	7,138.9	7,126.3	25.5	25.4	179.97	0.3	380.6	631.2	580.7	50.57	12.482				
7,300.0	7,291.6	7,237.1	7,224.0	25.9	25.7	179.97	0.3	390.8	650.3	599.1	51.28	12.683				
7,400.0	7,391.3	7,335.3	7,321.6	26.3	26.1	179.97	0.3	401.1	669.4	617.4	51.98	12.878				
7,500.0	7,490.9	7,433.4	7,419.2	26.6	26.4	179.97	0.3	411.4	688.5	635.8	52.68	13.068				
7,600.0	7,590.5	7,531.6	7,516.8	27.0	26.8	179.98	0.3	421.6	707.6	654.2	53.39	13.253				
7,700.0	7,690.1	7,629.8	7,614.5	27.3	27.1	179.98	0.3	431.9	726.7	672.6	54.10	13.433				
7,800.0	7,789.7	7,727.9	7,712.1	27.7	27.5	179.98	0.3	442.2	745.7	690.9	54.80	13.608				
7,900.0	7,889.4	7,826.1	7,809.7	28.1	27.8	179.98	0.3	452.4	764.8	709.3	55.51	13.778				
8,000.0	7,989.0	7,924.2	7,907.3	28.4	28.2	179.98	0.3	462.7	783.9	727.7	56.22	13.944				
8,100.0	8,088.6	8,022.4	8,005.0	28.8	28.5	179.98	0.3	472.9	803.0	746.1	56.92	14.106				
8,200.0	8,188.2	8,120.6	8,102.6	29.1	28.9	179.98	0.3	483.2	822.1	764.4	57.63	14.264				
8,300.0	8,287.8	8,218.7	8,200.2	29.5	29.3	179.98	0.3	493.5	841.1	782.8	58.34	14.418				
8,400.0	8,387.5	8,316.9	8,297.8	29.9	29.6	179.98	0.3	503.7	860.2	801.2	59.05	14.568				
8,500.0	8,487.1	8,415.1	8,395.5	30.2	30.0	179.98	0.3	514.0	879.3	819.5	59.76	14.715				
8,600.0	8,586.7	8,513.2	8,493.1	30.6	30.3	179.98	0.3	524.2	898.4	837.9	60.46	14.858				
8,700.0	8,686.3	8,611.4	8,590.7	30.9	30.7	179.98	0.3	534.5	917.5	856.3	61.17	14.998				
8,800.0	8,785.9	8,709.5	8,688.3	31.3	31.0	179.98	0.3	544.8	936.5	874.7	61.88	15.134				
8,900.0	8,885.5	8,807.7	8,786.0	31.7	31.4	179.98	0.3	555.0	955.6	893.0	62.59	15.267				
9,000.0	8,985.2	8,905.9	8,883.6	32.0	31.7	179.98	0.3	565.3	974.7	911.4	63.30	15.397				
9,100.0	9,084.8	9,004.0	8,981.2	32.4	32.1	179.98	0.3	575.5	993.8	929.8	64.01	15.524				

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #704H - OWB - PWP2	Offset Site Error:	0.0 usft
Survey Program:													0-Standard Keeper 104, 9685-MWD+IFR1+FDIR	Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	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	4.998			
200.0	200.0	200.1	200.1	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.04	4.966			
300.0	300.0	300.1	300.1	3.1	3.0	89.81	0.1	30.0	30.0	23.9	6.12	4.900			
400.0	400.0	400.1	400.1	3.2	3.0	89.81	0.1	30.0	30.0	23.8	6.24	4.806			
500.0	500.0	500.1	500.1	3.4	3.1	89.81	0.1	30.0	30.0	23.6	6.40	4.688			
600.0	600.0	600.1	600.1	3.6	3.1	89.81	0.1	30.0	30.0	23.4	6.59	4.555			
700.0	700.0	700.1	700.1	3.8	3.1	89.81	0.1	30.0	30.0	23.2	6.80	4.411			
800.0	800.0	800.1	800.1	4.0	3.2	89.81	0.1	30.0	30.0	23.0	7.04	4.261			
900.0	900.0	900.1	900.1	4.2	3.2	89.81	0.1	30.0	30.0	22.7	7.30	4.111			
1,000.0	1,000.0	1,000.1	1,000.1	4.5	3.2	89.81	0.1	30.0	30.0	22.4	7.57	3.962			
1,100.0	1,100.0	1,100.1	1,100.1	4.8	3.3	89.81	0.1	30.0	30.0	22.1	7.86	3.816			
1,200.0	1,200.0	1,200.1	1,200.1	5.1	3.4	89.81	0.1	30.0	30.0	21.8	8.16	3.675			
1,300.0	1,300.0	1,300.1	1,300.1	5.4	3.4	89.81	0.1	30.0	30.0	21.5	8.47	3.540			
1,400.0	1,400.0	1,400.1	1,400.1	5.7	3.5	89.81	0.1	30.0	30.0	21.2	8.79	3.411			
1,500.0	1,500.0	1,500.1	1,500.1	6.0	3.5	89.81	0.1	30.0	30.0	20.9	9.12	3.288			
1,600.0	1,600.0	1,600.1	1,600.1	6.3	3.6	89.81	0.1	30.0	30.0	20.5	9.46	3.172			
1,700.0	1,700.0	1,700.1	1,700.1	6.6	3.7	89.81	0.1	30.0	30.0	20.2	9.80	3.061			
1,800.0	1,800.0	1,800.1	1,800.1	6.9	3.8	89.81	0.1	30.0	30.0	19.9	10.15	2.957			
1,900.0	1,900.0	1,900.1	1,900.1	7.2	3.9	89.81	0.1	30.0	30.0	19.5	10.50	2.858			
2,000.0	2,000.0	2,000.1	2,000.1	7.6	3.9	89.81	0.1	30.0	30.0	19.1	10.85	2.764			
2,100.0	2,100.0	2,100.1	2,100.1	7.9	4.0	89.81	0.1	30.0	30.0	18.8	11.21	2.676			
2,200.0	2,200.0	2,200.1	2,200.1	8.2	4.1	89.81	0.1	30.0	30.0	18.4	11.58	2.592			
2,300.0	2,300.0	2,300.1	2,300.1	8.6	4.2	89.81	0.1	30.0	30.0	18.1	11.94	2.512			
2,400.0	2,400.0	2,400.1	2,400.1	8.9	4.3	89.81	0.1	30.0	30.0	17.7	12.31	2.437			
2,416.6	2,416.6	2,416.7	2,416.7	9.0	4.3	89.81	0.1	30.0	30.0	17.6	12.37	2.425 CC			
2,500.0	2,500.0	2,500.1	2,500.1	9.2	4.4	89.81	0.1	30.0	30.0	17.3	12.68	2.365 ES, SF			
2,600.0	2,600.0	2,600.0	2,600.0	9.6	4.5	176.70	1.8	30.2	32.0	18.9	13.05	2.448			
2,700.0	2,699.9	2,699.5	2,699.3	9.9	4.6	168.93	7.0	30.6	36.6	23.1	13.46	2.717			
2,800.0	2,799.9	2,799.1	2,798.7	10.2	4.7	160.76	13.9	31.3	42.4	28.5	13.92	3.045			
2,900.0	2,899.8	2,898.8	2,898.2	10.5	4.8	154.66	20.9	31.9	48.8	34.5	14.39	3.394			
3,000.0	2,999.7	2,998.5	2,997.6	10.9	4.9	150.02	27.8	32.6	55.7	40.9	14.87	3.749			
3,100.0	3,099.7	3,098.2	3,097.0	11.2	5.0	146.41	34.7	33.2	62.9	47.6	15.34	4.101			
3,200.0	3,199.6	3,197.8	3,196.5	11.5	5.1	143.56	41.6	33.8	70.3	54.5	15.81	4.446			
3,300.0	3,299.6	3,297.5	3,295.9	11.9	5.2	141.24	48.6	34.5	77.8	61.5	16.27	4.781			
3,400.0	3,399.5	3,397.2	3,395.3	12.2	5.3	139.34	55.5	35.1	85.4	68.7	16.73	5.104			
3,500.0	3,499.4	3,496.8	3,494.7	12.6	5.4	137.75	62.4	35.8	93.1	75.9	17.19	5.416			
3,600.0	3,599.4	3,596.5	3,594.2	12.9	5.5	136.41	69.3	36.4	100.8	83.2	17.65	5.715			
3,700.0	3,699.3	3,696.2	3,693.6	13.2	5.6	135.25	76.2	37.0	108.6	90.5	18.10	6.001			
3,800.0	3,799.2	3,795.9	3,793.0	13.6	5.7	134.25	83.2	37.7	116.5	97.9	18.56	6.276			
3,900.0	3,899.2	3,895.5	3,892.5	13.9	5.8	133.38	90.1	38.3	124.3	105.3	19.01	6.540			
4,000.0	3,999.1	3,995.2	3,991.9	14.3	5.9	132.61	97.0	39.0	132.2	112.8	19.47	6.792			
4,100.0	4,099.1	4,094.9	4,091.3	14.6	6.1	131.93	103.9	39.6	140.1	120.2	19.93	7.034			
4,200.0	4,199.0	4,194.6	4,190.8	15.0	6.2	131.32	110.9	40.2	148.1	127.7	20.38	7.265			
4,300.0	4,298.9	4,294.2	4,290.2	15.3	6.3	130.77	117.8	40.9	156.0	135.2	20.84	7.488			
4,400.0	4,398.9	4,393.9	4,389.6	15.7	6.4	130.28	124.7	41.5	164.0	142.7	21.30	7.701			
4,500.0	4,498.8	4,493.6	4,489.0	16.0	6.5	129.83	131.6	42.1	172.0	150.2	21.75	7.905			
4,600.0	4,598.8	4,593.3	4,588.5	16.4	6.6	129.42	138.6	42.8	179.9	157.7	22.21	8.101			
4,700.0	4,698.7	4,692.9	4,687.9	16.7	6.7	129.05	145.5	43.4	187.9	165.3	22.67	8.290			
4,800.0	4,798.6	4,792.6	4,787.3	17.0	6.8	128.71	152.4	44.1	195.9	172.8	23.13	8.471			
4,900.0	4,898.6	4,892.3	4,886.8	17.4	7.0	128.39	159.3	44.7	203.9	180.3	23.59	8.645			

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #704H - OWB - PWP2	Offset Site Error:	0.0 usft
Survey Program:													0-Standard Keeper 104, 9685-MWD+IFR1+FDIR	Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning		
5,000.0	4,998.5	4,991.9	4,986.2	17.7	7.1	128.10	166.2	45.3	211.9	187.9	24.05	8.812			
5,100.0	5,098.5	5,091.6	5,085.6	18.1	7.2	127.82	173.2	46.0	219.9	195.4	24.51	8.973			
5,200.0	5,198.4	5,191.3	5,185.1	18.4	7.3	127.57	180.1	46.6	228.0	203.0	24.97	9.129			
5,300.0	5,298.3	5,291.0	5,284.5	18.8	7.4	127.34	187.0	47.3	236.0	210.5	25.43	9.278			
5,400.0	5,398.3	5,390.6	5,383.9	19.1	7.5	127.12	193.9	47.9	244.0	218.1	25.90	9.422			
5,500.0	5,498.2	5,490.3	5,483.4	19.5	7.7	126.91	200.9	48.5	252.0	225.7	26.36	9.561			
5,600.0	5,598.1	5,589.9	5,582.7	19.9	7.8	126.88	207.8	49.2	261.1	234.3	26.81	9.739			
5,650.0	5,647.9	5,639.6	5,632.3	20.0	7.8	127.08	211.2	49.5	266.4	239.4	27.03	9.857			
5,700.0	5,697.7	5,689.3	5,681.8	20.2	7.9	127.42	214.7	49.8	272.0	244.8	27.24	9.985			
5,800.0	5,797.3	5,788.6	5,780.9	20.6	8.0	128.07	221.6	50.5	283.2	255.6	27.67	10.235			
5,900.0	5,897.0	5,887.9	5,880.0	20.9	8.1	128.66	228.5	51.1	294.5	266.4	28.10	10.479			
6,000.0	5,996.6	5,987.2	5,979.0	21.3	8.3	129.21	235.4	51.7	305.8	277.2	28.54	10.715			
6,100.0	6,096.2	6,086.7	6,078.3	21.6	8.4	129.73	242.3	52.4	317.1	288.1	28.97	10.944			
6,200.0	6,195.8	6,186.3	6,187.7	22.0	8.5	130.47	247.7	52.9	326.8	297.3	29.44	11.100			
6,300.0	6,295.4	6,304.1	6,295.5	22.3	8.6	131.57	249.1	53.0	333.5	303.6	29.87	11.166			
6,400.0	6,395.1	6,403.7	6,395.2	22.7	8.8	132.67	249.1	53.0	339.4	309.1	30.26	11.214			
6,500.0	6,494.7	6,503.4	6,494.8	23.0	8.9	133.73	249.1	53.0	345.3	314.7	30.66	11.265			
6,600.0	6,594.3	6,603.0	6,594.4	23.4	9.0	134.75	249.1	53.0	351.4	320.4	31.05	11.318			
6,700.0	6,693.9	6,702.6	6,694.0	23.8	9.1	135.74	249.1	53.0	357.6	326.2	31.44	11.374			
6,800.0	6,793.5	6,802.2	6,793.6	24.1	9.3	136.70	249.1	53.0	363.9	332.1	31.84	11.432			
6,900.0	6,893.2	6,901.8	6,893.3	24.5	9.4	137.62	249.1	53.0	370.3	338.1	32.23	11.491			
7,000.0	6,992.8	7,001.4	6,992.9	24.8	9.5	138.51	249.1	53.0	376.8	344.2	32.62	11.552			
7,100.0	7,092.4	7,101.1	7,092.5	25.2	9.6	139.38	249.1	53.0	383.4	350.4	33.01	11.614			
7,200.0	7,192.0	7,200.7	7,192.1	25.5	9.7	140.21	249.1	53.0	390.1	356.7	33.41	11.677			
7,300.0	7,291.6	7,300.3	7,291.7	25.9	9.9	141.01	249.1	53.0	396.8	363.0	33.80	11.741			
7,400.0	7,391.3	7,399.9	7,391.4	26.3	10.0	141.79	249.1	53.0	403.7	369.5	34.19	11.805			
7,500.0	7,490.9	7,499.5	7,491.0	26.6	10.1	142.54	249.1	53.0	410.6	376.0	34.59	11.870			
7,600.0	7,590.5	7,599.2	7,590.6	27.0	10.2	143.27	249.1	53.0	417.5	382.5	34.98	11.936			
7,700.0	7,690.1	7,698.8	7,690.2	27.3	10.4	143.97	249.1	53.0	424.5	389.2	35.37	12.002			
7,800.0	7,789.7	7,798.4	7,789.8	27.7	10.5	144.65	249.1	53.0	431.6	395.9	35.77	12.067			
7,900.0	7,889.4	7,898.0	7,889.5	28.1	10.6	145.31	249.1	53.0	438.8	402.6	36.16	12.133			
8,000.0	7,989.0	7,997.6	7,989.1	28.4	10.8	145.94	249.1	53.0	446.0	409.4	36.56	12.199			
8,100.0	8,088.6	8,097.3	8,088.7	28.8	10.9	146.56	249.1	53.0	453.2	416.3	36.95	12.265			
8,200.0	8,188.2	8,196.9	8,188.3	29.1	11.0	147.16	249.1	53.0	460.5	423.2	37.35	12.331			
8,300.0	8,287.8	8,296.5	8,287.9	29.5	11.1	147.73	249.1	53.0	467.9	430.1	37.75	12.396			
8,400.0	8,387.5	8,396.1	8,387.6	29.9	11.3	148.29	249.1	53.0	475.3	437.2	38.14	12.461			
8,500.0	8,487.1	8,495.7	8,487.2	30.2	11.4	148.84	249.1	53.0	482.7	444.2	38.54	12.526			
8,600.0	8,586.7	8,595.4	8,586.8	30.6	11.5	149.36	249.1	53.0	490.2	451.3	38.94	12.590			
8,700.0	8,686.3	8,695.0	8,686.4	30.9	11.6	149.88	249.1	53.0	497.8	458.4	39.34	12.654			
8,800.0	8,785.9	8,794.6	8,786.0	31.3	11.8	150.37	249.1	53.0	505.3	465.6	39.74	12.717			
8,900.0	8,885.5	8,894.2	8,885.6	31.7	11.9	150.85	249.1	53.0	512.9	472.8	40.13	12.780			
9,000.0	8,985.2	8,993.8	8,985.3	32.0	12.0	151.32	249.1	53.0	520.6	480.0	40.54	12.842			
9,100.0	9,084.8	9,093.5	9,084.9	32.4	12.1	151.77	249.1	53.0	528.2	487.3	40.94	12.904			
9,200.0	9,184.4	9,193.1	9,184.5	32.7	12.3	152.21	249.1	53.0	535.9	494.6	41.34	12.965			
9,300.0	9,284.0	9,292.7	9,284.1	33.1	12.4	152.64	249.1	53.0	543.7	501.9	41.74	13.025			
9,400.0	9,383.6	9,392.3	9,383.7	33.5	12.5	153.06	249.1	53.0	551.4	509.3	42.14	13.085			
9,500.0	9,483.3	9,491.9	9,483.4	33.8	12.6	153.46	249.1	53.0	559.2	516.7	42.54	13.144			
9,600.0	9,582.9	9,591.6	9,583.0	34.2	12.8	153.85	249.1	53.0	567.0	524.1	42.95	13.203			
9,700.0	9,682.5	9,691.2	9,683.1	34.5	12.9	154.26	249.0	53.0	574.8	531.5	43.36	13.258			
9,710.6	9,693.1	9,713.5	9,704.9	34.6	12.9	154.39	248.4	53.0	575.5	532.1	43.40	13.262			
9,750.0	9,732.2	9,778.9	9,769.9	34.7	12.9	-176.19	241.4	53.2	578.0	534.4	43.51	13.282			

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #704H - OWB - PWP2													Offset Well Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9685-MWD+IFR1+FDIR														
Reference		Offset		Semi Major Axis			Distance					Warning		
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,800.0	9,781.5	9,859.9	9,848.6	34.9	13.0	-159.77	222.5	53.8	581.6	537.9	43.63	13.330		
9,850.0	9,830.0	9,937.8	9,921.1	35.1	13.0	-151.03	194.1	54.7	585.9	542.2	43.72	13.401		
9,900.0	9,877.2	10,012.1	9,986.0	35.2	13.0	-144.86	158.0	55.9	591.4	547.6	43.82	13.495		
9,950.0	9,922.9	10,082.5	10,042.7	35.4	13.1	-139.74	116.5	57.2	598.2	554.2	43.93	13.615		
10,000.0	9,966.7	10,148.9	10,091.1	35.6	13.2	-135.13	71.1	58.6	606.5	562.4	44.06	13.764		
10,050.0	10,008.3	10,211.5	10,131.7	35.7	13.2	-130.77	23.5	60.1	616.5	572.3	44.22	13.942		
10,100.0	10,047.3	10,270.6	10,165.1	35.9	13.3	-126.55	-25.2	61.7	628.4	584.0	44.40	14.151		
10,150.0	10,083.5	10,326.6	10,191.9	36.1	13.4	-122.43	-74.4	63.2	642.0	597.4	44.61	14.393		
10,200.0	10,116.5	10,379.9	10,212.8	36.2	13.4	-118.35	-123.3	64.8	657.4	612.6	44.83	14.665		
10,250.0	10,146.2	10,430.8	10,228.4	36.3	13.4	-114.31	-171.7	66.3	674.4	629.3	45.06	14.965		
10,300.0	10,172.2	10,479.7	10,239.4	36.5	13.5	-110.31	-219.3	67.8	692.8	647.5	45.31	15.288		
10,350.0	10,194.5	10,526.9	10,246.1	36.6	13.5	-106.36	-266.0	69.3	712.4	666.8	45.57	15.633		
10,400.0	10,212.8	10,572.6	10,248.8	36.7	13.5	-102.48	-311.6	70.7	732.9	687.1	45.83	15.994		
10,450.0	10,226.9	10,616.1	10,248.8	36.8	13.5	-98.78	-355.1	72.1	754.3	708.2	46.08	16.367		
10,500.0	10,236.9	10,659.8	10,248.7	36.9	13.5	-95.41	-398.8	73.4	776.1	729.7	46.36	16.742		
10,550.0	10,242.6	10,704.3	10,248.5	37.0	13.6	-92.43	-443.2	74.8	798.1	751.4	46.64	17.112		
10,592.6	10,244.0	10,742.5	10,248.3	37.1	13.6	-90.22	-481.5	76.1	816.7	769.8	46.89	17.417		
10,600.0	10,243.9	10,749.2	10,248.3	37.1	13.6	-90.22	-488.1	76.3	819.9	773.0	46.94	17.468		
10,700.0	10,243.5	10,840.1	10,248.0	37.3	13.6	-90.21	-578.9	79.1	861.6	814.1	47.57	18.113		
10,800.0	10,243.1	10,932.3	10,247.6	37.5	13.6	-90.21	-671.2	82.0	900.2	851.9	48.26	18.653		
10,900.0	10,242.7	11,025.9	10,247.2	37.7	13.7	-90.20	-764.7	85.0	935.4	886.4	49.00	19.090		
11,000.0	10,242.3	11,120.7	10,246.8	37.9	13.7	-90.20	-859.4	88.0	967.4	917.6	49.79	19.429		
11,100.0	10,241.9	11,216.4	10,246.5	38.2	13.8	-90.20	-955.1	91.0	996.1	945.5	50.63	19.674		

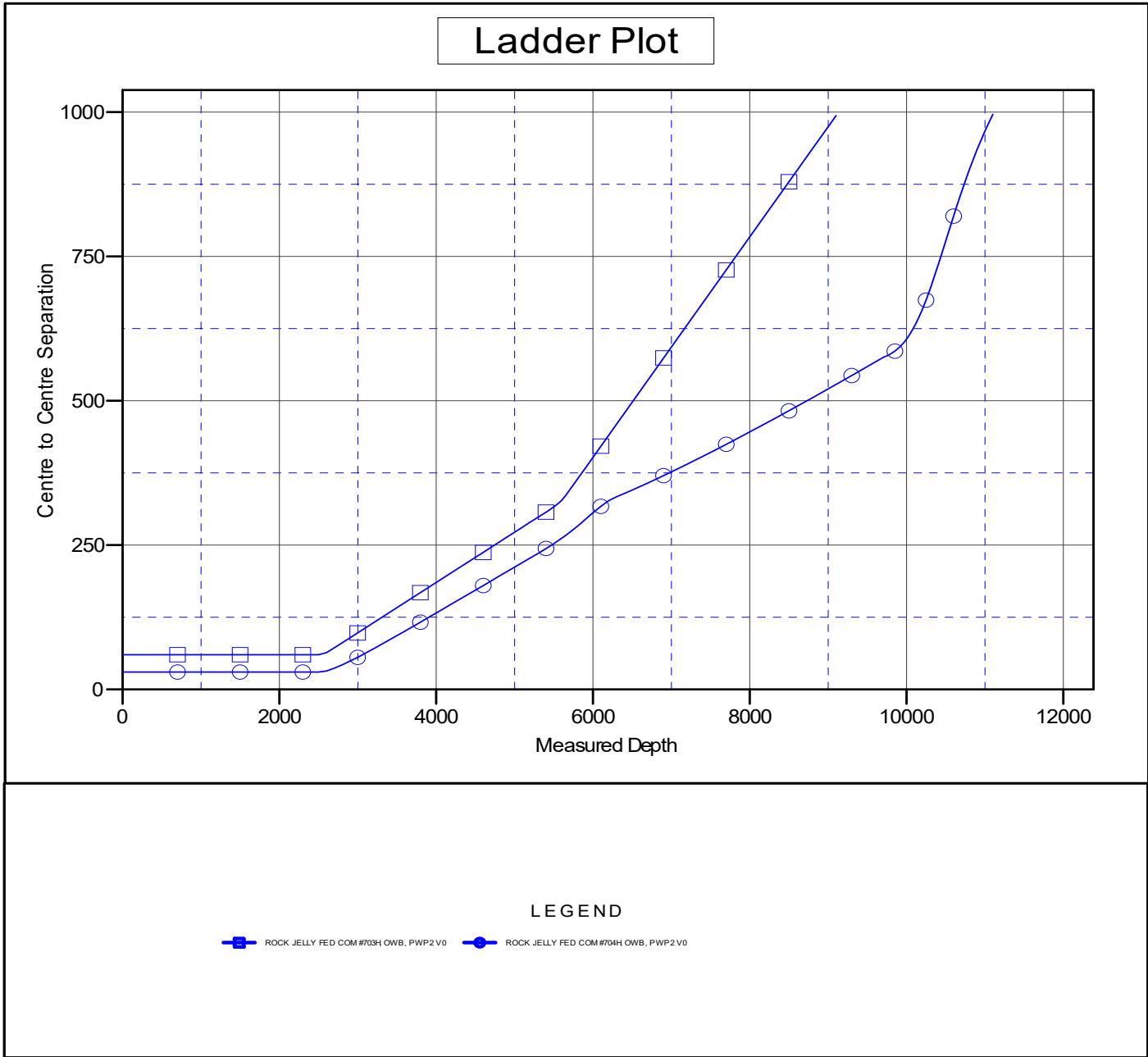
CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27' @ 3005.3usft (N 893) Coordinates are relative to: ROCK JELLY FED COM #705H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.19°

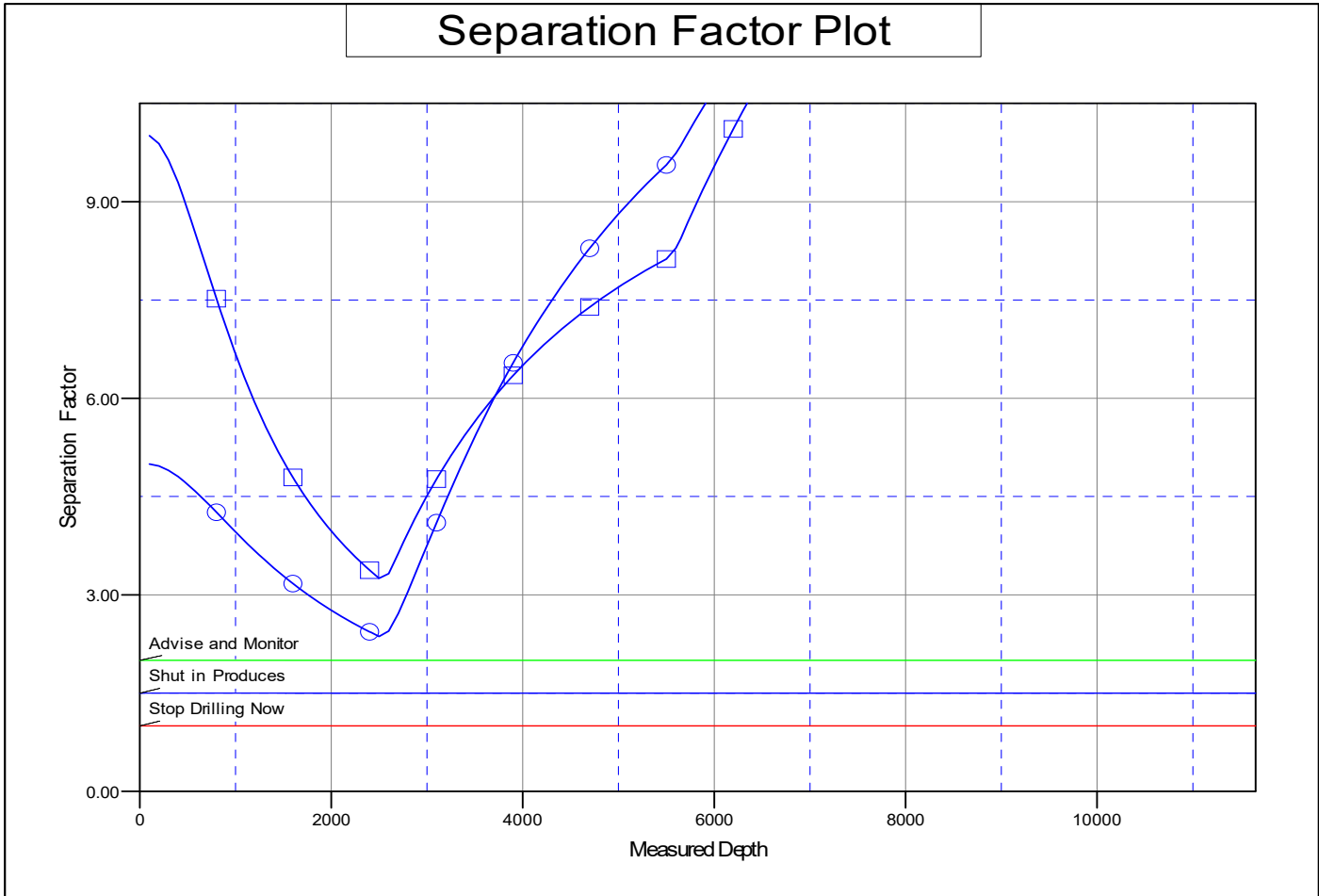


Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
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:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27' @ 3005.3usft (N 893) Coordinates are relative to: ROCK JELLY FED COM #705H
 Offset Depths are relative to Offset Datum Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
 Central Meridian is 104° 20' 0.000 W Grid Convergence at Surface is: 0.19°



LEGEND

■ ROCK JELLY FED COM #703H OWB, PWP2 V0
 ● ROCK JELLY FED COM #704H OWB, PWP2 V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #705H

OWB

Plan: PWP2

Standard Survey Report

02 July, 2020

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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		

Well	ROCK JELLY FED COM #705H			
Well Position	+N/-S	0.0 usft	Northing:	392,240.50 usft
	+E/-W	0.0 usft	Easting:	610,839.30 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft
			Latitude:	32° 4' 40.366 N
			Longitude:	103° 58' 31.725 W
			Ground Level:	2,978.3 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/2/2020	6.83	59.74	47,467.57120805

Design	PWP2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	183.62	

Survey Tool Program	Date 7/2/2020			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	25,457.7	PWP2 (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	
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	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
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
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	270.00	2,600.0	0.0	-1.7	0.1	2.00	2.00	0.00
Start 2900.0 hold at 2600.0 MD									
2,700.0	2.00	270.00	2,699.9	0.0	-5.2	0.3	0.00	0.00	0.00
2,800.0	2.00	270.00	2,799.9	0.0	-8.7	0.6	0.00	0.00	0.00
2,900.0	2.00	270.00	2,899.8	0.0	-12.2	0.8	0.00	0.00	0.00
3,000.0	2.00	270.00	2,999.7	0.0	-15.7	1.0	0.00	0.00	0.00
3,100.0	2.00	270.00	3,099.7	0.0	-19.2	1.2	0.00	0.00	0.00
3,200.0	2.00	270.00	3,199.6	0.0	-22.7	1.4	0.00	0.00	0.00
3,300.0	2.00	270.00	3,299.6	0.0	-26.2	1.7	0.00	0.00	0.00
3,400.0	2.00	270.00	3,399.5	0.0	-29.7	1.9	0.00	0.00	0.00
3,500.0	2.00	270.00	3,499.4	0.0	-33.2	2.1	0.00	0.00	0.00
3,600.0	2.00	270.00	3,599.4	0.0	-36.6	2.3	0.00	0.00	0.00
3,700.0	2.00	270.00	3,699.3	0.0	-40.1	2.5	0.00	0.00	0.00
3,800.0	2.00	270.00	3,799.2	0.0	-43.6	2.8	0.00	0.00	0.00
3,900.0	2.00	270.00	3,899.2	0.0	-47.1	3.0	0.00	0.00	0.00
4,000.0	2.00	270.00	3,999.1	0.0	-50.6	3.2	0.00	0.00	0.00
4,100.0	2.00	270.00	4,099.1	0.0	-54.1	3.4	0.00	0.00	0.00
4,200.0	2.00	270.00	4,199.0	0.0	-57.6	3.6	0.00	0.00	0.00
4,300.0	2.00	270.00	4,298.9	0.0	-61.1	3.9	0.00	0.00	0.00
4,400.0	2.00	270.00	4,398.9	0.0	-64.6	4.1	0.00	0.00	0.00
4,500.0	2.00	270.00	4,498.8	0.0	-68.1	4.3	0.00	0.00	0.00
4,600.0	2.00	270.00	4,598.8	0.0	-71.5	4.5	0.00	0.00	0.00
4,700.0	2.00	270.00	4,698.7	0.0	-75.0	4.7	0.00	0.00	0.00
4,800.0	2.00	270.00	4,798.6	0.0	-78.5	5.0	0.00	0.00	0.00
4,900.0	2.00	270.00	4,898.6	0.0	-82.0	5.2	0.00	0.00	0.00
5,000.0	2.00	270.00	4,998.5	0.0	-85.5	5.4	0.00	0.00	0.00
5,100.0	2.00	270.00	5,098.5	0.0	-89.0	5.6	0.00	0.00	0.00
5,200.0	2.00	270.00	5,198.4	0.0	-92.5	5.8	0.00	0.00	0.00
5,300.0	2.00	270.00	5,298.3	0.0	-96.0	6.1	0.00	0.00	0.00
5,400.0	2.00	270.00	5,398.3	0.0	-99.5	6.3	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)	
5,500.0	2.00	270.00	5,498.2	0.0	-103.0	6.5	0.00	0.00	0.00	
Start Build 2.00										
5,600.0	4.00	270.00	5,598.1	0.0	-108.2	6.8	2.00	2.00	0.00	
5,650.0	5.00	270.00	5,647.9	0.0	-112.1	7.1	2.00	2.00	0.00	
Start 4060.6 hold at 5650.0 MD										
5,700.0	5.00	270.00	5,697.7	0.0	-116.5	7.4	0.00	0.00	0.00	
5,800.0	5.00	270.00	5,797.3	0.0	-125.2	7.9	0.00	0.00	0.00	
5,900.0	5.00	270.00	5,897.0	0.0	-133.9	8.5	0.00	0.00	0.00	
6,000.0	5.00	270.00	5,996.6	0.0	-142.6	9.0	0.00	0.00	0.00	
6,100.0	5.00	270.00	6,096.2	0.0	-151.3	9.6	0.00	0.00	0.00	
6,200.0	5.00	270.00	6,195.8	0.0	-160.0	10.1	0.00	0.00	0.00	
6,300.0	5.00	270.00	6,295.4	0.0	-168.8	10.7	0.00	0.00	0.00	
6,400.0	5.00	270.00	6,395.1	0.0	-177.5	11.2	0.00	0.00	0.00	
6,500.0	5.00	270.00	6,494.7	0.0	-186.2	11.8	0.00	0.00	0.00	
6,600.0	5.00	270.00	6,594.3	0.0	-194.9	12.3	0.00	0.00	0.00	
6,700.0	5.00	270.00	6,693.9	0.0	-203.6	12.9	0.00	0.00	0.00	
6,800.0	5.00	270.00	6,793.5	0.0	-212.3	13.4	0.00	0.00	0.00	
6,900.0	5.00	270.00	6,893.2	0.0	-221.1	14.0	0.00	0.00	0.00	
7,000.0	5.00	270.00	6,992.8	0.0	-229.8	14.5	0.00	0.00	0.00	
7,100.0	5.00	270.00	7,092.4	0.0	-238.5	15.1	0.00	0.00	0.00	
7,200.0	5.00	270.00	7,192.0	0.0	-247.2	15.6	0.00	0.00	0.00	
7,300.0	5.00	270.00	7,291.6	0.0	-255.9	16.2	0.00	0.00	0.00	
7,400.0	5.00	270.00	7,391.3	0.0	-264.6	16.7	0.00	0.00	0.00	
7,500.0	5.00	270.00	7,490.9	0.0	-273.3	17.3	0.00	0.00	0.00	
7,600.0	5.00	270.00	7,590.5	0.0	-282.1	17.8	0.00	0.00	0.00	
7,700.0	5.00	270.00	7,690.1	0.0	-290.8	18.4	0.00	0.00	0.00	
7,800.0	5.00	270.00	7,789.7	0.0	-299.5	18.9	0.00	0.00	0.00	
7,900.0	5.00	270.00	7,889.4	0.0	-308.2	19.5	0.00	0.00	0.00	
8,000.0	5.00	270.00	7,989.0	0.0	-316.9	20.0	0.00	0.00	0.00	
8,100.0	5.00	270.00	8,088.6	0.0	-325.6	20.6	0.00	0.00	0.00	
8,200.0	5.00	270.00	8,188.2	0.0	-334.4	21.1	0.00	0.00	0.00	
8,300.0	5.00	270.00	8,287.8	0.0	-343.1	21.7	0.00	0.00	0.00	
8,400.0	5.00	270.00	8,387.5	0.0	-351.8	22.2	0.00	0.00	0.00	
8,500.0	5.00	270.00	8,487.1	0.0	-360.5	22.8	0.00	0.00	0.00	
8,600.0	5.00	270.00	8,586.7	0.0	-369.2	23.3	0.00	0.00	0.00	
8,700.0	5.00	270.00	8,686.3	0.0	-377.9	23.9	0.00	0.00	0.00	
8,800.0	5.00	270.00	8,785.9	0.0	-386.7	24.4	0.00	0.00	0.00	
8,900.0	5.00	270.00	8,885.5	0.0	-395.4	25.0	0.00	0.00	0.00	
9,000.0	5.00	270.00	8,985.2	0.0	-404.1	25.5	0.00	0.00	0.00	
9,100.0	5.00	270.00	9,084.8	0.0	-412.8	26.1	0.00	0.00	0.00	
9,200.0	5.00	270.00	9,184.4	0.0	-421.5	26.6	0.00	0.00	0.00	
9,300.0	5.00	270.00	9,284.0	0.0	-430.2	27.2	0.00	0.00	0.00	
9,400.0	5.00	270.00	9,383.6	0.0	-438.9	27.7	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
9,500.0	5.00	270.00	9,483.3	0.0	-447.7	28.3	0.00	0.00	0.00
9,600.0	5.00	270.00	9,582.9	0.0	-456.4	28.8	0.00	0.00	0.00
9,700.0	5.00	270.00	9,682.5	0.0	-465.1	29.4	0.00	0.00	0.00
9,710.6	5.00	270.00	9,693.1	0.0	-466.0	29.4	0.00	0.00	0.00
Start DLS 10.00 TFO -66.06									
9,800.0	11.87	226.36	9,781.5	-6.4	-476.6	36.4	10.00	7.69	-48.83
9,900.0	21.44	215.76	9,877.2	-28.3	-494.8	59.5	10.00	9.57	-10.60
10,000.0	31.27	211.58	9,966.7	-65.4	-519.1	98.0	10.00	9.83	-4.18
10,100.0	41.18	209.26	10,047.3	-116.3	-548.8	150.8	10.00	9.91	-2.32
10,200.0	51.12	207.71	10,116.5	-179.7	-583.1	216.1	10.00	9.94	-1.55
10,300.0	61.07	206.55	10,172.2	-253.5	-620.9	292.2	10.00	9.95	-1.16
10,400.0	71.03	205.59	10,212.8	-335.5	-661.0	376.5	10.00	9.96	-0.96
10,500.0	81.00	204.74	10,236.9	-423.2	-702.2	466.7	10.00	9.97	-0.85
10,592.6	90.23	204.00	10,244.0	-507.2	-740.2	552.9	10.00	9.97	-0.80
Start DLS 2.00 TFO -89.94									
10,600.0	90.23	203.85	10,243.9	-514.0	-743.2	559.9	2.00	0.00	-2.00
10,700.0	90.23	201.85	10,243.5	-606.1	-782.1	654.3	2.00	0.00	-2.00
10,800.0	90.23	199.85	10,243.1	-699.6	-817.7	749.8	2.00	0.00	-2.00
10,900.0	90.23	197.85	10,242.7	-794.2	-850.0	846.3	2.00	0.00	-2.00
11,000.0	90.24	195.85	10,242.3	-889.9	-879.0	943.6	2.00	0.00	-2.00
11,100.0	90.24	193.85	10,241.9	-986.5	-904.6	1,041.7	2.00	0.00	-2.00
11,200.0	90.24	191.85	10,241.5	-1,084.0	-926.8	1,140.4	2.00	0.00	-2.00
11,300.0	90.24	189.85	10,241.1	-1,182.2	-945.7	1,239.6	2.00	0.00	-2.00
11,400.0	90.24	187.85	10,240.7	-1,281.0	-961.0	1,339.1	2.00	0.00	-2.00
11,500.0	90.24	185.85	10,240.3	-1,380.3	-973.0	1,439.0	2.00	0.00	-2.00
11,600.0	90.24	183.85	10,239.8	-1,479.9	-981.4	1,539.0	2.00	0.00	-2.00
11,700.0	90.23	181.85	10,239.4	-1,579.8	-986.4	1,638.9	2.00	0.00	-2.00
11,800.0	90.23	179.85	10,239.0	-1,679.8	-987.9	1,738.8	2.00	0.00	-2.00
11,885.7	90.23	178.14	10,238.7	-1,765.5	-986.4	1,824.3	2.00	0.00	-2.00
Start 3215.7 hold at 11885.7 MD									
11,900.0	90.23	178.14	10,238.6	-1,779.8	-985.9	1,838.5	0.00	0.00	0.00
12,000.0	90.23	178.14	10,238.2	-1,879.7	-982.7	1,938.0	0.00	0.00	0.00
12,100.0	90.23	178.14	10,237.8	-1,979.7	-979.4	2,037.6	0.00	0.00	0.00
12,200.0	90.23	178.14	10,237.4	-2,079.6	-976.2	2,137.1	0.00	0.00	0.00
12,300.0	90.23	178.14	10,237.0	-2,179.6	-972.9	2,236.6	0.00	0.00	0.00
12,400.0	90.23	178.14	10,236.6	-2,279.5	-969.7	2,336.2	0.00	0.00	0.00
12,500.0	90.23	178.14	10,236.2	-2,379.5	-966.4	2,435.7	0.00	0.00	0.00
12,600.0	90.23	178.14	10,235.8	-2,479.4	-963.2	2,535.3	0.00	0.00	0.00
12,700.0	90.23	178.14	10,235.4	-2,579.3	-959.9	2,634.8	0.00	0.00	0.00
12,800.0	90.23	178.14	10,235.0	-2,679.3	-956.7	2,734.3	0.00	0.00	0.00
12,900.0	90.23	178.14	10,234.6	-2,779.2	-953.4	2,833.9	0.00	0.00	0.00
13,000.0	90.23	178.14	10,234.2	-2,879.2	-950.2	2,933.4	0.00	0.00	0.00
13,100.0	90.23	178.14	10,233.8	-2,979.1	-946.9	3,033.0	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.23	178.14	10,233.4	-3,079.1	-943.7	3,132.5	0.00	0.00	0.00
13,300.0	90.23	178.14	10,233.0	-3,179.0	-940.4	3,232.1	0.00	0.00	0.00
13,400.0	90.23	178.14	10,232.6	-3,279.0	-937.2	3,331.6	0.00	0.00	0.00
13,500.0	90.23	178.14	10,232.2	-3,378.9	-933.9	3,431.1	0.00	0.00	0.00
13,600.0	90.23	178.14	10,231.8	-3,478.9	-930.7	3,530.7	0.00	0.00	0.00
13,700.0	90.23	178.14	10,231.4	-3,578.8	-927.4	3,630.2	0.00	0.00	0.00
13,800.0	90.23	178.14	10,231.0	-3,678.8	-924.2	3,729.8	0.00	0.00	0.00
13,900.0	90.23	178.14	10,230.5	-3,778.7	-920.9	3,829.3	0.00	0.00	0.00
14,000.0	90.23	178.14	10,230.1	-3,878.6	-917.7	3,928.8	0.00	0.00	0.00
14,100.0	90.23	178.14	10,229.7	-3,978.6	-914.4	4,028.4	0.00	0.00	0.00
14,200.0	90.23	178.14	10,229.3	-4,078.5	-911.2	4,127.9	0.00	0.00	0.00
14,300.0	90.23	178.14	10,228.9	-4,178.5	-907.9	4,227.5	0.00	0.00	0.00
14,400.0	90.23	178.14	10,228.5	-4,278.4	-904.7	4,327.0	0.00	0.00	0.00
14,500.0	90.23	178.14	10,228.1	-4,378.4	-901.4	4,426.6	0.00	0.00	0.00
14,600.0	90.23	178.14	10,227.7	-4,478.3	-898.2	4,526.1	0.00	0.00	0.00
14,700.0	90.23	178.14	10,227.3	-4,578.3	-894.9	4,625.6	0.00	0.00	0.00
14,800.0	90.23	178.14	10,226.9	-4,678.2	-891.7	4,725.2	0.00	0.00	0.00
14,900.0	90.23	178.14	10,226.5	-4,778.2	-888.4	4,824.7	0.00	0.00	0.00
15,000.0	90.23	178.14	10,226.1	-4,878.1	-885.2	4,924.3	0.00	0.00	0.00
15,100.0	90.23	178.14	10,225.7	-4,978.1	-881.9	5,023.8	0.00	0.00	0.00
15,101.4	90.23	178.14	10,225.7	-4,979.5	-881.9	5,025.2	0.00	0.00	0.00
Start DLS 2.00 TFO 90.02									
15,200.0	90.23	180.11	10,225.3	-5,078.0	-880.3	5,123.5	2.00	0.00	2.00
15,218.4	90.23	180.48	10,225.2	-5,096.5	-880.4	5,141.9	2.00	0.00	2.00
Start 5209.6 hold at 15218.4 MD									
15,300.0	90.23	180.48	10,224.9	-5,178.0	-881.1	5,223.3	0.00	0.00	0.00
15,400.0	90.23	180.48	10,224.5	-5,278.0	-881.9	5,323.2	0.00	0.00	0.00
15,500.0	90.23	180.48	10,224.1	-5,378.0	-882.8	5,423.0	0.00	0.00	0.00
15,600.0	90.23	180.48	10,223.7	-5,478.0	-883.6	5,522.9	0.00	0.00	0.00
15,700.0	90.23	180.48	10,223.3	-5,578.0	-884.4	5,622.7	0.00	0.00	0.00
15,800.0	90.23	180.48	10,222.9	-5,678.0	-885.3	5,722.6	0.00	0.00	0.00
15,900.0	90.23	180.48	10,222.5	-5,778.0	-886.1	5,822.4	0.00	0.00	0.00
16,000.0	90.23	180.48	10,222.1	-5,878.0	-886.9	5,922.3	0.00	0.00	0.00
16,100.0	90.23	180.48	10,221.7	-5,978.0	-887.8	6,022.1	0.00	0.00	0.00
16,200.0	90.23	180.48	10,221.3	-6,078.0	-888.6	6,122.0	0.00	0.00	0.00
16,300.0	90.23	180.48	10,220.9	-6,178.0	-889.4	6,221.8	0.00	0.00	0.00
16,400.0	90.23	180.48	10,220.5	-6,278.0	-890.3	6,321.7	0.00	0.00	0.00
16,500.0	90.23	180.48	10,220.1	-6,378.0	-891.1	6,421.5	0.00	0.00	0.00
16,600.0	90.23	180.48	10,219.7	-6,478.0	-891.9	6,521.4	0.00	0.00	0.00
16,700.0	90.23	180.48	10,219.3	-6,578.0	-892.8	6,621.2	0.00	0.00	0.00
16,800.0	90.23	180.48	10,218.9	-6,678.0	-893.6	6,721.1	0.00	0.00	0.00
16,900.0	90.23	180.48	10,218.5	-6,778.0	-894.4	6,820.9	0.00	0.00	0.00
17,000.0	90.23	180.48	10,218.1	-6,878.0	-895.3	6,920.8	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
17,100.0	90.23	180.48	10,217.7	-6,978.0	-896.1	7,020.6	0.00	0.00	0.00
17,200.0	90.23	180.48	10,217.3	-7,078.0	-896.9	7,120.5	0.00	0.00	0.00
17,300.0	90.23	180.48	10,216.9	-7,178.0	-897.8	7,220.3	0.00	0.00	0.00
17,400.0	90.23	180.48	10,216.5	-7,277.9	-898.6	7,320.2	0.00	0.00	0.00
17,500.0	90.23	180.48	10,216.1	-7,377.9	-899.4	7,420.0	0.00	0.00	0.00
17,600.0	90.23	180.48	10,215.7	-7,477.9	-900.3	7,519.9	0.00	0.00	0.00
17,700.0	90.23	180.48	10,215.3	-7,577.9	-901.1	7,619.7	0.00	0.00	0.00
17,800.0	90.23	180.48	10,214.9	-7,677.9	-901.9	7,719.6	0.00	0.00	0.00
17,900.0	90.23	180.48	10,214.5	-7,777.9	-902.8	7,819.4	0.00	0.00	0.00
18,000.0	90.23	180.48	10,214.1	-7,877.9	-903.6	7,919.3	0.00	0.00	0.00
18,100.0	90.23	180.48	10,213.7	-7,977.9	-904.4	8,019.1	0.00	0.00	0.00
18,200.0	90.23	180.48	10,213.3	-8,077.9	-905.2	8,118.9	0.00	0.00	0.00
18,300.0	90.23	180.48	10,212.8	-8,177.9	-906.1	8,218.8	0.00	0.00	0.00
18,400.0	90.23	180.48	10,212.4	-8,277.9	-906.9	8,318.6	0.00	0.00	0.00
18,500.0	90.23	180.48	10,212.0	-8,377.9	-907.7	8,418.5	0.00	0.00	0.00
18,600.0	90.23	180.48	10,211.6	-8,477.9	-908.6	8,518.3	0.00	0.00	0.00
18,700.0	90.23	180.48	10,211.2	-8,577.9	-909.4	8,618.2	0.00	0.00	0.00
18,800.0	90.23	180.48	10,210.8	-8,677.9	-910.2	8,718.0	0.00	0.00	0.00
18,900.0	90.23	180.48	10,210.4	-8,777.9	-911.1	8,817.9	0.00	0.00	0.00
19,000.0	90.23	180.48	10,210.0	-8,877.9	-911.9	8,917.7	0.00	0.00	0.00
19,100.0	90.23	180.48	10,209.6	-8,977.9	-912.7	9,017.6	0.00	0.00	0.00
19,200.0	90.23	180.48	10,209.2	-9,077.9	-913.6	9,117.4	0.00	0.00	0.00
19,300.0	90.23	180.48	10,208.8	-9,177.9	-914.4	9,217.3	0.00	0.00	0.00
19,400.0	90.23	180.48	10,208.4	-9,277.9	-915.2	9,317.1	0.00	0.00	0.00
19,500.0	90.23	180.48	10,208.0	-9,377.9	-916.1	9,417.0	0.00	0.00	0.00
19,600.0	90.23	180.48	10,207.6	-9,477.9	-916.9	9,516.8	0.00	0.00	0.00
19,700.0	90.23	180.48	10,207.2	-9,577.8	-917.7	9,616.7	0.00	0.00	0.00
19,800.0	90.23	180.48	10,206.8	-9,677.8	-918.6	9,716.5	0.00	0.00	0.00
19,900.0	90.23	180.48	10,206.4	-9,777.8	-919.4	9,816.4	0.00	0.00	0.00
20,000.0	90.23	180.48	10,206.0	-9,877.8	-920.2	9,916.2	0.00	0.00	0.00
20,100.0	90.23	180.48	10,205.6	-9,977.8	-921.1	10,016.1	0.00	0.00	0.00
20,200.0	90.23	180.48	10,205.2	-10,077.8	-921.9	10,115.9	0.00	0.00	0.00
20,300.0	90.23	180.48	10,204.8	-10,177.8	-922.7	10,215.8	0.00	0.00	0.00
20,400.0	90.23	180.48	10,204.4	-10,277.8	-923.6	10,315.6	0.00	0.00	0.00
20,428.0	90.23	180.48	10,204.3	-10,305.8	-923.8	10,343.6	0.00	0.00	0.00
Start DLS 2.00 TFO 88.80									
20,430.5	90.23	180.53	10,204.3	-10,308.3	-923.8	10,346.1	2.00	0.04	2.00
Start 5027.2 hold at 20430.5 MD									
20,500.0	90.23	180.53	10,204.0	-10,377.8	-924.4	10,415.5	0.00	0.00	0.00
20,600.0	90.23	180.53	10,203.6	-10,477.8	-925.4	10,515.3	0.00	0.00	0.00
20,700.0	90.23	180.53	10,203.2	-10,577.8	-926.3	10,615.2	0.00	0.00	0.00
20,800.0	90.23	180.53	10,202.8	-10,677.8	-927.2	10,715.0	0.00	0.00	0.00
20,900.0	90.23	180.53	10,202.4	-10,777.8	-928.1	10,814.9	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

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)
21,000.0	90.23	180.53	10,202.0	-10,877.8	-929.1	10,914.7	0.00	0.00	0.00
21,100.0	90.23	180.53	10,201.6	-10,977.8	-930.0	11,014.6	0.00	0.00	0.00
21,200.0	90.23	180.53	10,201.2	-11,077.8	-930.9	11,114.4	0.00	0.00	0.00
21,300.0	90.23	180.53	10,200.8	-11,177.8	-931.8	11,214.3	0.00	0.00	0.00
21,400.0	90.23	180.53	10,200.4	-11,277.8	-932.7	11,314.2	0.00	0.00	0.00
21,500.0	90.23	180.53	10,200.0	-11,377.8	-933.7	11,414.0	0.00	0.00	0.00
21,600.0	90.23	180.53	10,199.6	-11,477.8	-934.6	11,513.9	0.00	0.00	0.00
21,700.0	90.23	180.53	10,199.2	-11,577.8	-935.5	11,613.7	0.00	0.00	0.00
21,800.0	90.23	180.53	10,198.8	-11,677.7	-936.4	11,713.6	0.00	0.00	0.00
21,900.0	90.23	180.53	10,198.4	-11,777.7	-937.3	11,813.4	0.00	0.00	0.00
22,000.0	90.23	180.53	10,198.0	-11,877.7	-938.3	11,913.3	0.00	0.00	0.00
22,100.0	90.23	180.53	10,197.6	-11,977.7	-939.2	12,013.1	0.00	0.00	0.00
22,200.0	90.23	180.53	10,197.1	-12,077.7	-940.1	12,113.0	0.00	0.00	0.00
22,300.0	90.23	180.53	10,196.7	-12,177.7	-941.0	12,212.8	0.00	0.00	0.00
22,400.0	90.23	180.53	10,196.3	-12,277.7	-941.9	12,312.7	0.00	0.00	0.00
22,500.0	90.23	180.53	10,195.9	-12,377.7	-942.9	12,412.5	0.00	0.00	0.00
22,600.0	90.23	180.53	10,195.5	-12,477.7	-943.8	12,512.4	0.00	0.00	0.00
22,700.0	90.23	180.53	10,195.1	-12,577.7	-944.7	12,612.3	0.00	0.00	0.00
22,800.0	90.23	180.53	10,194.7	-12,677.7	-945.6	12,712.1	0.00	0.00	0.00
22,900.0	90.23	180.53	10,194.3	-12,777.7	-946.5	12,812.0	0.00	0.00	0.00
23,000.0	90.23	180.53	10,193.9	-12,877.7	-947.5	12,911.8	0.00	0.00	0.00
23,100.0	90.23	180.53	10,193.5	-12,977.7	-948.4	13,011.7	0.00	0.00	0.00
23,200.0	90.23	180.53	10,193.1	-13,077.7	-949.3	13,111.5	0.00	0.00	0.00
23,300.0	90.23	180.53	10,192.7	-13,177.7	-950.2	13,211.4	0.00	0.00	0.00
23,400.0	90.23	180.53	10,192.3	-13,277.7	-951.2	13,311.2	0.00	0.00	0.00
23,500.0	90.23	180.53	10,191.9	-13,377.7	-952.1	13,411.1	0.00	0.00	0.00
23,600.0	90.23	180.53	10,191.5	-13,477.7	-953.0	13,510.9	0.00	0.00	0.00
23,700.0	90.23	180.53	10,191.1	-13,577.7	-953.9	13,610.8	0.00	0.00	0.00
23,800.0	90.23	180.53	10,190.7	-13,677.6	-954.8	13,710.6	0.00	0.00	0.00
23,900.0	90.23	180.53	10,190.3	-13,777.6	-955.8	13,810.5	0.00	0.00	0.00
24,000.0	90.23	180.53	10,189.9	-13,877.6	-956.7	13,910.4	0.00	0.00	0.00
24,100.0	90.23	180.53	10,189.5	-13,977.6	-957.6	14,010.2	0.00	0.00	0.00
24,200.0	90.23	180.53	10,189.1	-14,077.6	-958.5	14,110.1	0.00	0.00	0.00
24,300.0	90.23	180.53	10,188.7	-14,177.6	-959.4	14,209.9	0.00	0.00	0.00
24,400.0	90.23	180.53	10,188.3	-14,277.6	-960.4	14,309.8	0.00	0.00	0.00
24,500.0	90.23	180.53	10,187.9	-14,377.6	-961.3	14,409.6	0.00	0.00	0.00
24,600.0	90.23	180.53	10,187.5	-14,477.6	-962.2	14,509.5	0.00	0.00	0.00
24,700.0	90.23	180.53	10,187.1	-14,577.6	-963.1	14,609.3	0.00	0.00	0.00
24,800.0	90.23	180.53	10,186.7	-14,677.6	-964.0	14,709.2	0.00	0.00	0.00
24,900.0	90.23	180.53	10,186.3	-14,777.6	-965.0	14,809.0	0.00	0.00	0.00
25,000.0	90.23	180.53	10,185.8	-14,877.6	-965.9	14,908.9	0.00	0.00	0.00
25,100.0	90.23	180.53	10,185.4	-14,977.6	-966.8	15,008.7	0.00	0.00	0.00

Concho Resources LLC

Survey Report

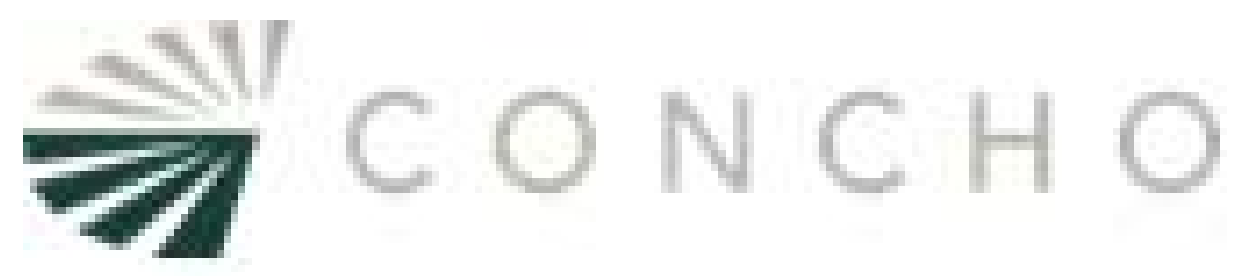
Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3005.3usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3005.3usft (N 893)
Well:	ROCK JELLY FED COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
25,200.0	90.23	180.53	10,185.0	-15,077.6	-967.7	15,108.6	0.00	0.00	0.00
25,300.0	90.23	180.53	10,184.6	-15,177.6	-968.6	15,208.4	0.00	0.00	0.00
25,400.0	90.23	180.53	10,184.2	-15,277.6	-969.6	15,308.3	0.00	0.00	0.00
25,457.7	90.23	180.53	10,184.0	-15,335.3	-970.1	15,365.9	0.00	0.00	0.00
TD at 25457.7									

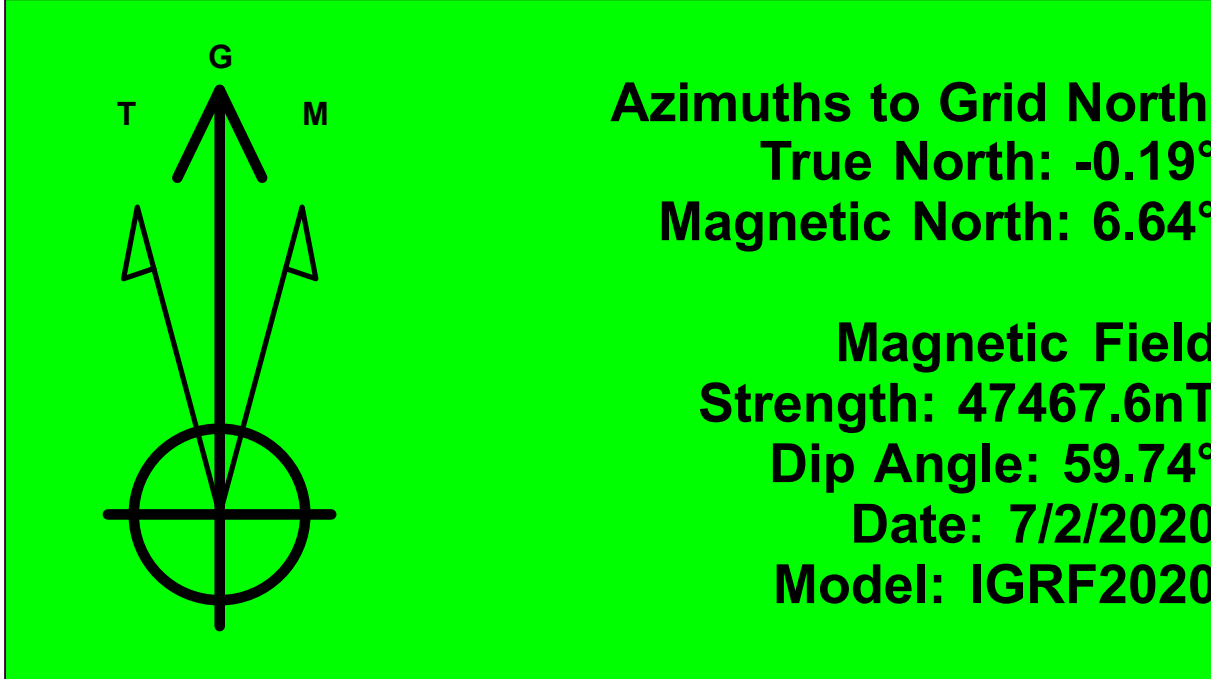
Design Targets										
Target Name	- hit/miss target	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP (ROCK JELLY FE	- plan misses target center by 1.9usft at 25327.5usft MD (10184.5 TVD, -15205.1 N, -968.9 E)	0.00	0.00	10,184.0	-15,205.1	-970.7	377,035.40	609,868.60	32° 2' 9.921 N	103° 58' 43.588 W
- Point										
PBHL (ROCK JELLY I	- plan hits target center	0.23	0.53	10,184.0	-15,335.3	-970.1	376,905.20	609,869.20	32° 2' 8.632 N	103° 58' 43.586 W
- Rectangle (sides W100.0 H5,029.7 D20.0)										
T2 (ROCK JELLY FEI	- plan hits target center	0.23	0.48	10,204.3	-10,305.8	-923.8	381,934.70	609,915.52	32° 2' 58.405 N	103° 58' 42.856 W
- Rectangle (sides W100.0 H5,327.0 D20.0)										
T1 (ROCK JELLY FEI	- plan hits target center	0.23	358.14	10,225.7	-4,979.5	-881.9	387,261.00	609,957.45	32° 3' 51.115 N	103° 58' 42.165 W
- Rectangle (sides W100.0 H4,995.3 D20.0)										
FTP (ROCK JELLY FE	- plan misses target center by 589.6usft at 10316.8usft MD (10180.2 TVD, -266.8 N, -627.5 E)	0.00	0.00	10,244.0	15.8	-1,141.0	392,256.30	609,698.30	32° 4' 40.560 N	103° 58' 44.986 W
- Circle (radius 50.0)										

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
2500	2500	0	0	Start Build 2.00
2600	2600	0	-2	Start 2900.0 hold at 2600.0 MD
5500	5498	0	-103	Start Build 2.00
5650	5648	0	-112	Start 4060.6 hold at 5650.0 MD
9711	9693	0	-466	Start DLS 10.00 TFO -66.06
10,593	10,244	-507	-740	Start DLS 2.00 TFO -89.94
11,886	10,239	-1766	-986	Start 3215.7 hold at 11885.7 MD
15,101	10,226	-4979	-882	Start DLS 2.00 TFO 90.02
15,218	10,225	-5096	-880	Start 5209.6 hold at 15218.4 MD
20,428	10,204	-10,306	-924	Start DLS 2.00 TFO 88.80
20,431	10,204	-10,308	-924	Start 5027.2 hold at 20430.5 MD
25,458	10,184	-15,335	-970	TD at 25457.7

Checked By: _____	Approved By: _____	Date: _____
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Project: ATLAS PROSPECT (NM-E)
 Site: ROCK JELLY FEDERAL PROJECT (ATLAS 2629)
 Well: ROCK JELLY FED COM #705H
 Wellbore: OWB
 Design: PWP2
 GL: 2978.3
 KB=27' @ 3005.3usft (N 893)

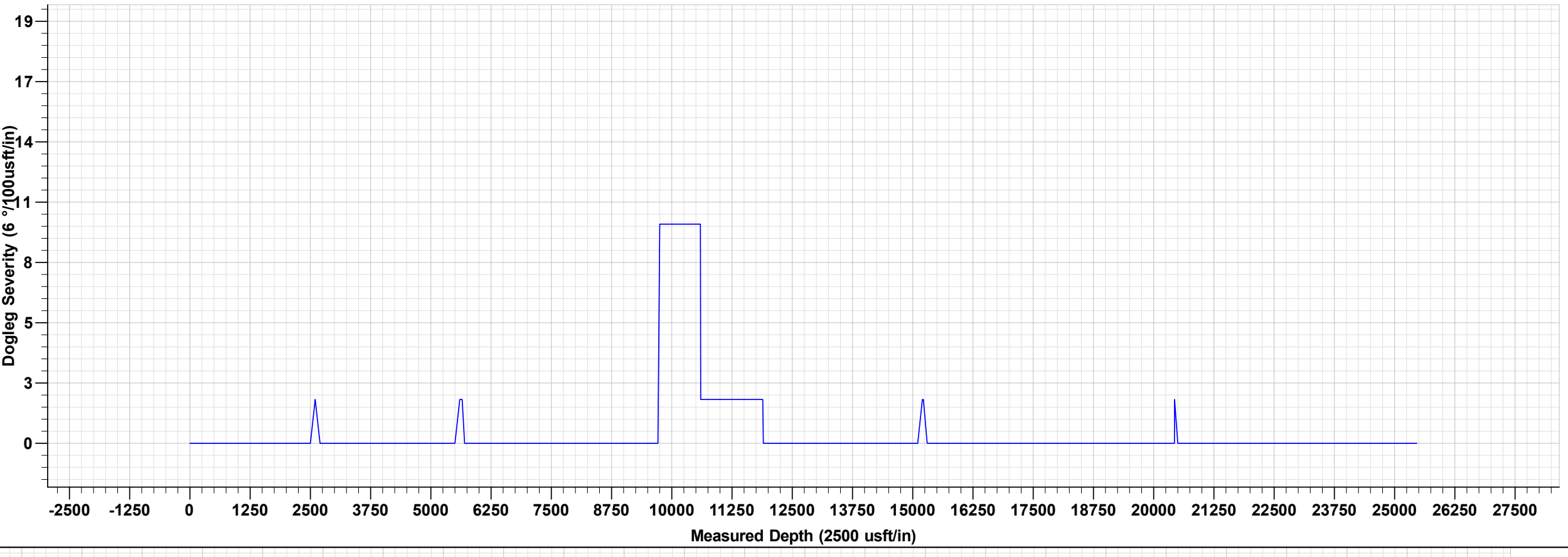
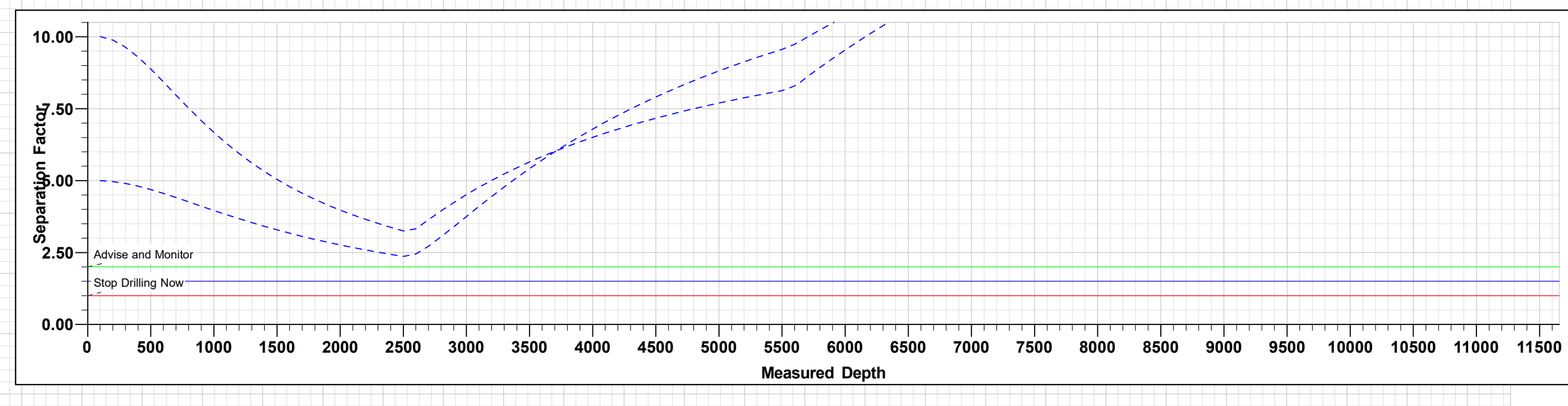
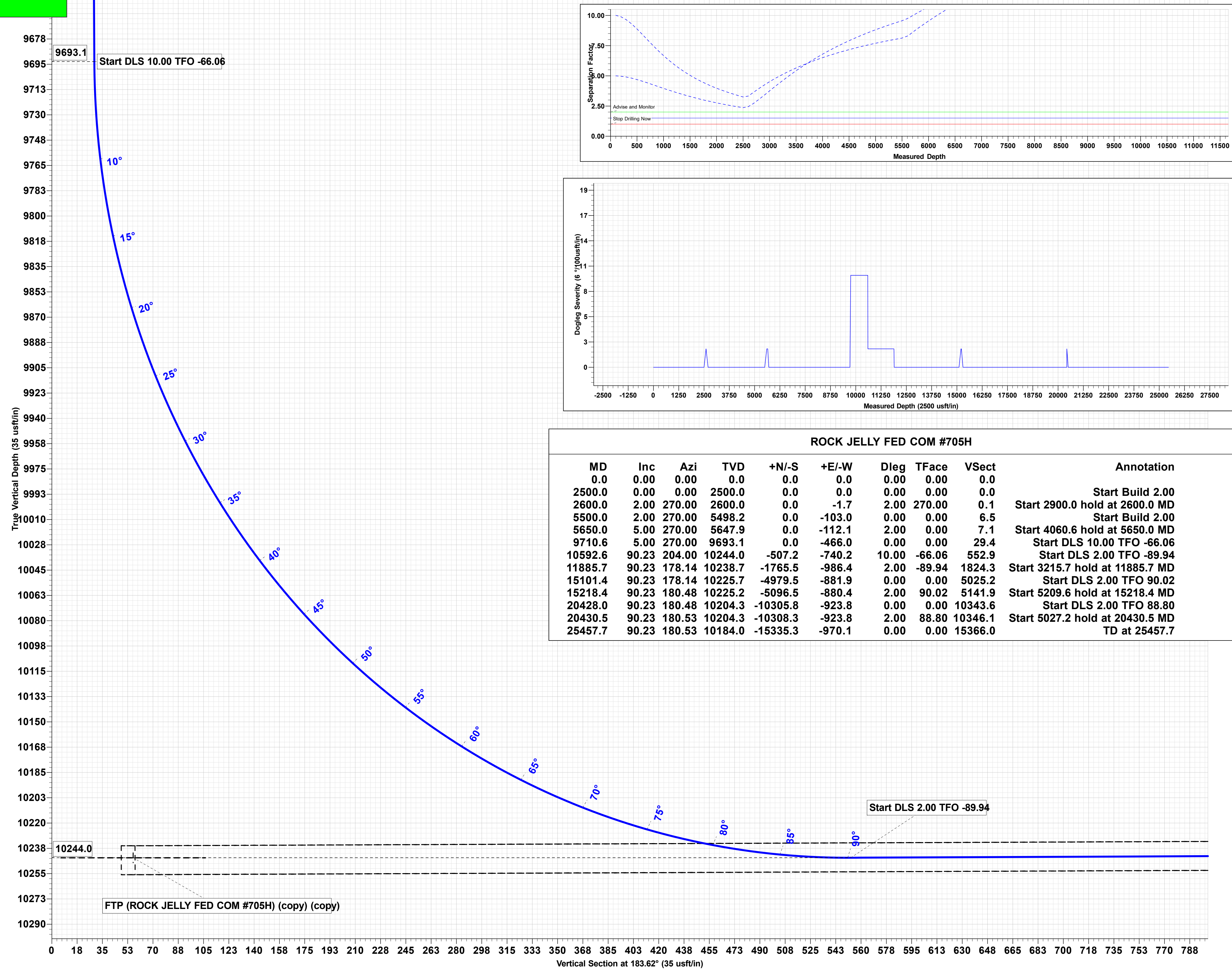


WELL DETAILS: ROCK JELLY FED COM #705H

+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	Longitude
LTP (ROCK JELLY FED COM #705H) (copy)	10184.0	-15205.1	-970.7	377035.40	609868.60	32° 2' 9.921 N	103° 58' 43.588 W
PBHL (ROCK JELLY FED COM #705H) (copy)	10184.0	-15335.3	-970.1	376905.20	609869.20	32° 2' 8.632 N	103° 58' 43.586 W
T2 (ROCK JELLY FED COM #705H)	10204.3	-10305.8	-923.8	381934.70	609915.51	32° 2' 58.405 N	103° 58' 42.856 W
T1 (ROCK JELLY FED COM #705H)	10225.7	-4979.5	-881.9	387261.00	609957.45	32° 3' 51.115 N	103° 58' 42.165 W
FTP (ROCK JELLY FED COM #705H) (copy) (copy)	10244.0	15.8	-1141.0	392256.30	609698.30	32° 4' 40.560 N	103° 58' 44.986 W



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	0.0	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.0	0.00	0.0	Start Build 2.00
2600.0	2.00	270.00	2600.0	0.0	-1.7	2.00	270.00	0.1	Start 2900.0 hold at 2600.0 MD
5500.0	2.00	270.00	5498.2	0.0	-103.0	0.00	0.00	6.5	Start Build 2.00
5650.0	5.00	270.00	5647.9	0.0	-112.1	2.00	0.00	7.1	Start 4060.6 hold at 5650.0 MD
9710.6	5.00	270.00	9693.1	0.0	-466.0	0.00	0.00	29.4	Start DLS 10.00 TFO -66.06
10592.6	90.23	204.00	10244.0	-507.2	-740.2	10.00	-66.06	552.9	Start DLS 2.00 TFO -89.94
11885.7	90.23	178.14	10238.7	-1765.5	-986.4	2.00	-89.94	1824.3	Start 3215.7 hold at 11885.7 MD
15101.4	90.23	178.14	10225.7	-4979.5	-881.9	0.00	0.00	5025.2	Start DLS 2.00 TFO 90.02
15218.4	90.23	180.48	10225.2	-5096.5	-880.4	2.00	90.02	5141.9	Start 5209.6 hold at 15218.4 MD
20428.0	90.23	180.48	10204.3	-10305.8	-923.8	0.00	0.00	10343.6	Start DLS 2.00 TFO 88.80
20430.5	90.23	180.53	10204.3	-10308.3	-923.8	2.00	88.80	10346.1	Start 5027.2 hold at 20430.5 MD
25457.7	90.23	180.53	10184.0	-15335.3	-970.1	0.00	0.00	15366.0	TD at 25457.7

