

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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.
NMNM13997

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
ROCK JELLY FEDERAL COM 702H9. API Well No.
30-015-47582-00-X110. Field and Pool or Exploratory Area
PURPLE SAGE-WOLFCAMP (GAS)11. County or Parish, State
EDDY COUNTY, NM**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

COG OPERATING LLC

Contact: STAN WAGNER

3a. Address

600 W ILLINOIS AVENUE
MIDLAND, TX 79701

3b. Phone No. (include area code)

Ph: 432.683.7443

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 3 T26S R29E NENE 210FNL 1085FEL
32.078003 N Lat, 103.975960 W Lon

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	Change to Original A
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	PD

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 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 & 1485' FEL SWSE 15-26S-29E Eddy Co., NM

Entered - KMS NMOCD

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #535475 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 (21PP0362SE)

Name (Printed/Typed) STAN WAGNER

Title

Signature (Electronic Submission)

Date 10/27/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JENNIFER SANCHEZ

Title PETROLEUM ENGINEER

Date 10/28/2020

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)

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

Revisions to Operator-Submitted EC Data for Sundry Notice #535475

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	APDCH NOI	APDCH NOI
Lease:	NMNM13997	NMNM13997
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: County:	NM EDDY	NM EDDY
Field/Pool:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Well/Facility:	ROCK JELLY FEDERAL COM 702H Sec 3 T26S R29E Mer NMP NENE 210FNL 1085FEL	ROCK JELLY FEDERAL COM 702H Sec 3 T26S R29E NENE 210FNL 1085FEL 32.078003 N Lat, 103.975960 W Lon

DISTRICT I
1825 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 748-0720

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) 478-3460 Fax: (505) 478-3462

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

X AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

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

Surface Location

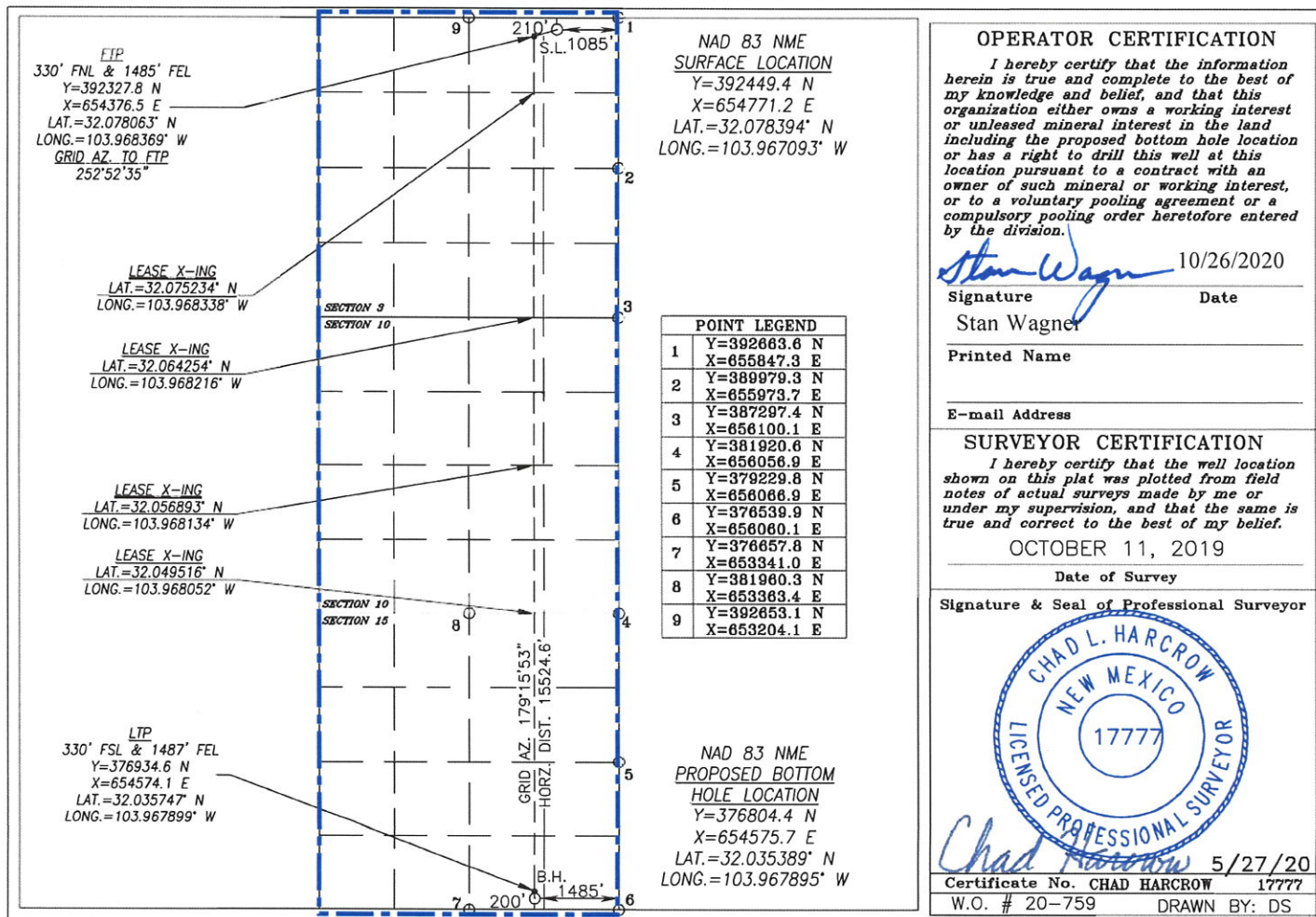
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	3	26-S	29-E		210	NORTH	1085	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	15	26-S	29-E		200	SOUTH	1485	EAST	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



Intent ☒ As Drilled ☐

API # 30-015-47582		
Operator Name: COG Operating LLC	Property Name: Rock Jelly Federal Com	Well Number 702H

Kick Off Point (KOP)

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

First Take Point (FTP)

UL B	Section 3	Township 26S	Range 29E	Lot	Feet 330	From N/S North	Feet 1485	From E/W East	County Eddy
Latitude 32.078063					Longitude -103.968369				NAD 83

Last Take Point (LTP)

UL O	Section 15	Township 26S	Range 29E	Lot	Feet 330	From N/S South	Feet 1487	From E/W East	County Eddy
Latitude 32.035747					Longitude -103.967899				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

KZ 06/29/2018

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #702H

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	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
Depth Range:	Unlimited
Results Limited by:	Maximum ellipse separation of 1,000.0 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	7/2/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	25,713.0	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
ROCK JELLY FEDERAL PROJECT (ATLAS 2629)						
JR'S HORZ FEDERAL COM #3H - OWB - ACTUAL WEL						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	2,416.6	2,416.8	30.0	17.6	2.425	CC
ROCK JELLY FED COM #701H - OWB - PWP2	2,500.0	2,500.0	30.0	17.3	2.365	ES, SF
ROCK JELLY FED COM #703H - OWB - PWP2						Out of range
ROCK JELLY FED COM #704H - OWB - PWP2						Out of range
ROCK JELLY FED COM #705H - OWB - PWP2						Out of range

Offset Design		ROCK JELLY FEDERAL PROJECT (ATLAS 2629) - ROCK JELLY FED COM #701H - OWB - PWP2										Offset Site Error:		0.0 usft	
Survey Program:		0-Standard Keeper 104, 9641-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)	Offset Wellbore Centre +E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor			
0.0	0.0	0.2	0.2	3.0	3.0	90.00	0.0	30.0	30.0						
100.0	100.0	100.2	100.2	3.0	3.0	90.00	0.0	30.0	30.0	24.0	6.00	4.998			
200.0	200.0	200.2	200.2	3.0	3.0	90.00	0.0	30.0	30.0	24.0	6.04	4.966			
300.0	300.0	300.2	300.2	3.1	3.0	90.00	0.0	30.0	30.0	23.9	6.12	4.900			
400.0	400.0	400.2	400.2	3.2	3.0	90.00	0.0	30.0	30.0	23.8	6.24	4.806			
500.0	500.0	500.2	500.2	3.4	3.1	90.00	0.0	30.0	30.0	23.6	6.40	4.688			
600.0	600.0	600.2	600.2	3.6	3.1	90.00	0.0	30.0	30.0	23.4	6.59	4.555			
700.0	700.0	700.2	700.2	3.8	3.1	90.00	0.0	30.0	30.0	23.2	6.80	4.411			
800.0	800.0	800.2	800.2	4.0	3.2	90.00	0.0	30.0	30.0	23.0	7.04	4.261			
900.0	900.0	900.2	900.2	4.2	3.2	90.00	0.0	30.0	30.0	22.7	7.30	4.111			
1,000.0	1,000.0	1,000.2	1,000.2	4.5	3.2	90.00	0.0	30.0	30.0	22.4	7.57	3.962			
1,100.0	1,100.0	1,100.2	1,100.2	4.8	3.3	90.00	0.0	30.0	30.0	22.1	7.86	3.816			
1,200.0	1,200.0	1,200.2	1,200.2	5.1	3.4	90.00	0.0	30.0	30.0	21.8	8.16	3.675			
1,300.0	1,300.0	1,300.2	1,300.2	5.4	3.4	90.00	0.0	30.0	30.0	21.5	8.47	3.540			
1,400.0	1,400.0	1,400.2	1,400.2	5.7	3.5	90.00	0.0	30.0	30.0	21.2	8.79	3.411			
1,500.0	1,500.0	1,500.2	1,500.2	6.0	3.5	90.00	0.0	30.0	30.0	20.9	9.12	3.288			
1,600.0	1,600.0	1,600.2	1,600.2	6.3	3.6	90.00	0.0	30.0	30.0	20.5	9.46	3.172			

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

Concho Resources LLC

Anticollision Report

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Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9641-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		
1,700.0	1,700.0	1,700.2	1,700.2	6.6	3.7	90.00	0.0	30.0	30.0	20.2	9.80	3.061		
1,800.0	1,800.0	1,800.2	1,800.2	6.9	3.8	90.00	0.0	30.0	30.0	19.9	10.15	2.957		
1,900.0	1,900.0	1,900.2	1,900.2	7.2	3.9	90.00	0.0	30.0	30.0	19.5	10.50	2.858		
2,000.0	2,000.0	2,000.2	2,000.2	7.6	3.9	90.00	0.0	30.0	30.0	19.1	10.85	2.764		
2,100.0	2,100.0	2,100.2	2,100.2	7.9	4.0	90.00	0.0	30.0	30.0	18.8	11.21	2.676		
2,200.0	2,200.0	2,200.2	2,200.2	8.2	4.1	90.00	0.0	30.0	30.0	18.4	11.58	2.592		
2,300.0	2,300.0	2,300.2	2,300.2	8.6	4.2	90.00	0.0	30.0	30.0	18.1	11.94	2.512		
2,400.0	2,400.0	2,400.2	2,400.2	8.9	4.3	90.00	0.0	30.0	30.0	17.7	12.31	2.437		
2,416.6	2,416.6	2,416.8	2,416.8	9.0	4.3	90.00	0.0	30.0	30.0	17.6	12.37	2.425 CC		
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	90.00	0.0	30.0	30.0	17.3	12.68	2.365 ES, SF		
2,600.0	2,600.0	2,599.1	2,599.1	9.6	4.5	90.00	0.0	31.7	31.7	18.7	13.05	2.431		
2,700.0	2,700.0	2,697.8	2,697.7	9.9	4.5	90.00	0.0	36.8	36.9	23.5	13.42	2.751		
2,800.0	2,800.0	2,796.8	2,796.3	10.3	4.5	90.00	0.0	45.0	45.1	31.4	13.79	3.275		
2,900.0	2,900.0	2,896.4	2,895.5	10.6	4.6	90.00	0.0	53.7	53.9	39.7	14.18	3.799		
3,000.0	3,000.0	2,996.0	2,994.7	10.9	4.6	90.00	0.0	62.3	62.6	48.0	14.57	4.295		
3,100.0	3,100.0	3,095.6	3,094.0	11.3	4.6	90.00	0.0	71.0	71.3	56.3	14.97	4.763		
3,200.0	3,200.0	3,195.2	3,193.2	11.6	4.7	90.00	0.0	79.7	80.0	64.6	15.37	5.205		
3,300.0	3,300.0	3,294.9	3,292.5	12.0	4.7	90.00	0.0	88.4	88.7	72.9	15.78	5.623		
3,400.0	3,400.0	3,394.5	3,391.7	12.3	4.8	90.00	0.0	97.1	97.4	81.3	16.19	6.018		
3,500.0	3,500.0	3,494.1	3,490.9	12.7	4.9	90.00	0.0	105.8	106.2	89.6	16.61	6.393		
3,600.0	3,600.0	3,593.7	3,590.2	13.0	4.9	90.00	0.0	114.4	114.9	97.8	17.02	6.748		
3,700.0	3,700.0	3,693.3	3,689.4	13.4	5.0	90.00	0.0	123.1	123.6	106.1	17.45	7.084		
3,800.0	3,800.0	3,793.0	3,788.7	13.7	5.0	90.00	0.0	131.8	132.3	114.4	17.87	7.404		
3,900.0	3,900.0	3,892.6	3,887.9	14.1	5.1	90.00	0.0	140.5	141.0	122.7	18.30	7.707		
4,000.0	4,000.0	3,992.2	3,987.1	14.4	5.2	90.00	0.0	149.2	149.7	131.0	18.73	7.995		
4,100.0	4,100.0	4,091.8	4,086.4	14.8	5.3	90.00	0.0	157.8	158.5	139.3	19.16	8.269		
4,200.0	4,200.0	4,191.4	4,185.6	15.1	5.3	90.00	0.0	166.5	167.2	147.6	19.60	8.530		
4,300.0	4,300.0	4,291.1	4,284.9	15.5	5.4	90.00	0.0	175.2	175.9	155.8	20.03	8.779		
4,400.0	4,400.0	4,390.7	4,384.1	15.8	5.5	90.00	0.0	183.9	184.6	164.1	20.47	9.016		
4,500.0	4,500.0	4,490.3	4,483.4	16.2	5.6	90.00	0.0	192.6	193.3	172.4	20.92	9.242		
4,600.0	4,600.0	4,589.9	4,582.6	16.5	5.7	90.00	0.0	201.3	202.0	180.7	21.36	9.458		
4,700.0	4,700.0	4,689.5	4,681.8	16.9	5.7	90.00	0.0	209.9	210.7	188.9	21.81	9.665		
4,800.0	4,800.0	4,789.1	4,781.1	17.2	5.8	90.00	0.0	218.6	219.5	197.2	22.25	9.862		
4,900.0	4,900.0	4,888.8	4,880.3	17.6	5.9	90.00	0.0	227.3	228.2	205.5	22.70	10.051		
5,000.0	5,000.0	4,988.4	4,979.6	17.9	6.0	90.00	0.0	236.0	236.9	213.7	23.15	10.232		
5,100.0	5,100.0	5,088.0	5,078.8	18.3	6.1	90.00	0.0	244.7	245.6	222.0	23.61	10.405		
5,200.0	5,200.0	5,187.6	5,178.0	18.7	6.2	90.00	0.0	253.4	254.3	230.3	24.06	10.571		
5,300.0	5,300.0	5,287.2	5,277.3	19.0	6.3	90.00	0.0	262.0	263.0	238.5	24.51	10.730		
5,400.0	5,400.0	5,386.9	5,376.5	19.4	6.4	90.00	0.0	270.7	271.8	246.8	24.97	10.883		
5,500.0	5,500.0	5,486.5	5,475.8	19.7	6.5	90.00	0.0	279.4	280.5	255.0	25.43	11.030		
5,600.0	5,600.0	5,585.9	5,574.8	20.1	6.6	180.00	0.0	288.1	290.9	265.0	25.88	11.243		
5,700.0	5,699.8	5,685.0	5,673.5	20.4	6.7	180.00	0.0	296.7	304.8	278.5	26.32	11.584		
5,741.5	5,741.2	5,725.9	5,714.3	20.5	6.7	180.00	0.0	300.3	311.6	285.1	26.50	11.760		
5,800.0	5,799.5	5,783.5	5,771.7	20.7	6.8	180.00	0.0	305.3	321.6	294.9	26.76	12.020		
5,900.0	5,899.2	5,882.1	5,869.8	21.1	6.9	180.00	0.0	313.9	338.7	311.5	27.20	12.454		
6,000.0	5,998.8	5,980.6	5,968.0	21.4	7.0	180.00	0.0	322.5	355.8	328.1	27.64	12.873		
6,100.0	6,098.4	6,079.1	6,066.1	21.8	7.1	180.00	0.0	331.1	372.8	344.8	28.08	13.277		
6,200.0	6,198.1	6,177.7	6,164.3	22.1	7.2	180.00	0.0	339.6	389.9	361.4	28.52	13.669		
6,300.0	6,297.7	6,276.2	6,262.5	22.4	7.3	180.00	0.0	348.2	407.0	378.0	28.97	14.048		
6,400.0	6,397.4	6,374.7	6,360.6	22.8	7.4	180.00	0.0	356.8	424.0	394.6	29.42	14.415		
6,500.0	6,497.0	6,473.3	6,458.8	23.1	7.5	180.00	0.0	365.4	441.1	411.3	29.87	14.770		

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 9641-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		
6,600.0	6,596.7	6,571.8	6,556.9	23.5	7.6	180.00	0.0	374.0	458.2	427.9	30.32	15.114		
6,700.0	6,696.3	6,670.3	6,655.1	23.8	7.7	180.00	0.0	382.6	475.3	444.5	30.77	15.448		
6,800.0	6,796.0	6,768.9	6,753.2	24.2	7.8	180.00	0.0	391.2	492.3	461.1	31.22	15.771		
6,900.0	6,895.6	6,867.4	6,851.4	24.5	7.9	180.00	0.0	399.8	509.4	477.7	31.67	16.084		
7,000.0	6,995.2	6,965.9	6,949.6	24.9	8.0	180.00	0.0	408.3	526.5	494.4	32.13	16.388		
7,100.0	7,094.9	7,064.5	7,047.7	25.2	8.1	180.00	0.0	416.9	543.6	511.0	32.58	16.683		
7,200.0	7,194.5	7,163.0	7,145.9	25.6	8.3	180.00	0.0	425.5	560.6	527.6	33.04	16.970		
7,300.0	7,294.2	7,261.5	7,244.0	25.9	8.4	180.00	0.0	434.1	577.7	544.2	33.49	17.248		
7,400.0	7,393.8	7,360.0	7,342.2	26.3	8.5	180.00	0.0	442.7	594.8	560.8	33.95	17.518		
7,500.0	7,493.5	7,458.6	7,440.3	26.6	8.6	180.00	0.0	451.3	611.8	577.4	34.41	17.781		
7,600.0	7,593.1	7,557.1	7,538.5	27.0	8.7	180.00	0.0	459.9	628.9	594.0	34.87	18.036		
7,700.0	7,692.8	7,655.6	7,636.7	27.3	8.8	180.00	0.0	468.5	646.0	610.7	35.33	18.284		
7,800.0	7,792.4	7,754.2	7,734.8	27.7	8.9	180.00	0.0	477.0	663.1	627.3	35.79	18.526		
7,900.0	7,892.0	7,852.7	7,833.0	28.0	9.0	180.00	0.0	485.6	680.1	643.9	36.25	18.761		
8,000.0	7,991.7	7,951.2	7,931.1	28.4	9.2	180.00	0.0	494.2	697.2	660.5	36.72	18.989		
8,100.0	8,091.3	8,049.8	8,029.3	28.7	9.3	180.00	0.0	502.8	714.3	677.1	37.18	19.212		
8,200.0	8,191.0	8,148.3	8,127.4	29.1	9.4	180.00	0.0	511.4	731.4	693.7	37.64	19.429		
8,300.0	8,290.6	8,246.8	8,225.6	29.4	9.5	180.00	0.0	520.0	748.4	710.3	38.11	19.640		
8,400.0	8,390.3	8,345.4	8,323.8	29.8	9.6	180.00	0.0	528.6	765.5	726.9	38.57	19.846		
8,500.0	8,489.9	8,443.9	8,421.9	30.1	9.7	180.00	0.0	537.2	782.6	743.5	39.04	20.046		
8,600.0	8,589.6	8,542.4	8,520.1	30.5	9.8	180.00	0.0	545.7	799.6	760.1	39.50	20.242		
8,700.0	8,689.2	8,641.0	8,618.2	30.8	10.0	180.00	0.0	554.3	816.7	776.7	39.97	20.433		
8,800.0	8,788.9	8,739.5	8,716.4	31.2	10.1	180.00	0.0	562.9	833.8	793.4	40.44	20.619		
8,900.0	8,888.5	8,838.0	8,814.5	31.5	10.2	180.00	0.0	571.5	850.9	810.0	40.91	20.800		
9,000.0	8,988.1	8,936.6	8,912.7	31.9	10.3	180.00	0.0	580.1	867.9	826.6	41.37	20.977		
9,100.0	9,087.8	9,035.1	9,010.9	32.2	10.4	180.00	0.0	588.7	885.0	843.2	41.84	21.150		
9,200.0	9,187.4	9,133.6	9,109.0	32.6	10.6	180.00	0.0	597.3	902.1	859.8	42.31	21.319		
9,300.0	9,287.1	9,232.2	9,207.2	32.9	10.7	180.00	0.0	605.9	919.2	876.4	42.78	21.484		
9,400.0	9,386.7	9,330.7	9,305.3	33.3	10.8	180.00	0.0	614.4	936.2	893.0	43.25	21.645		
9,500.0	9,486.4	9,429.2	9,403.5	33.7	10.9	180.00	0.0	623.0	953.3	909.6	43.72	21.803		
9,600.0	9,586.0	9,527.7	9,501.6	34.0	11.0	180.00	0.0	631.6	970.4	926.2	44.20	21.957		
9,700.0	9,685.7	9,626.3	9,599.8	34.4	11.1	180.00	0.0	640.2	987.4	942.8	44.65	22.114		
9,735.4	9,720.9	9,661.1	9,634.5	34.5	11.2	180.00	0.0	643.2	993.5	948.7	44.80	22.177		
9,750.0	9,735.5	9,675.5	9,648.9	34.5	11.2	-162.74	0.0	644.5	996.0	951.1	44.86	22.203		

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27' @ 3004.8usft (N 893)

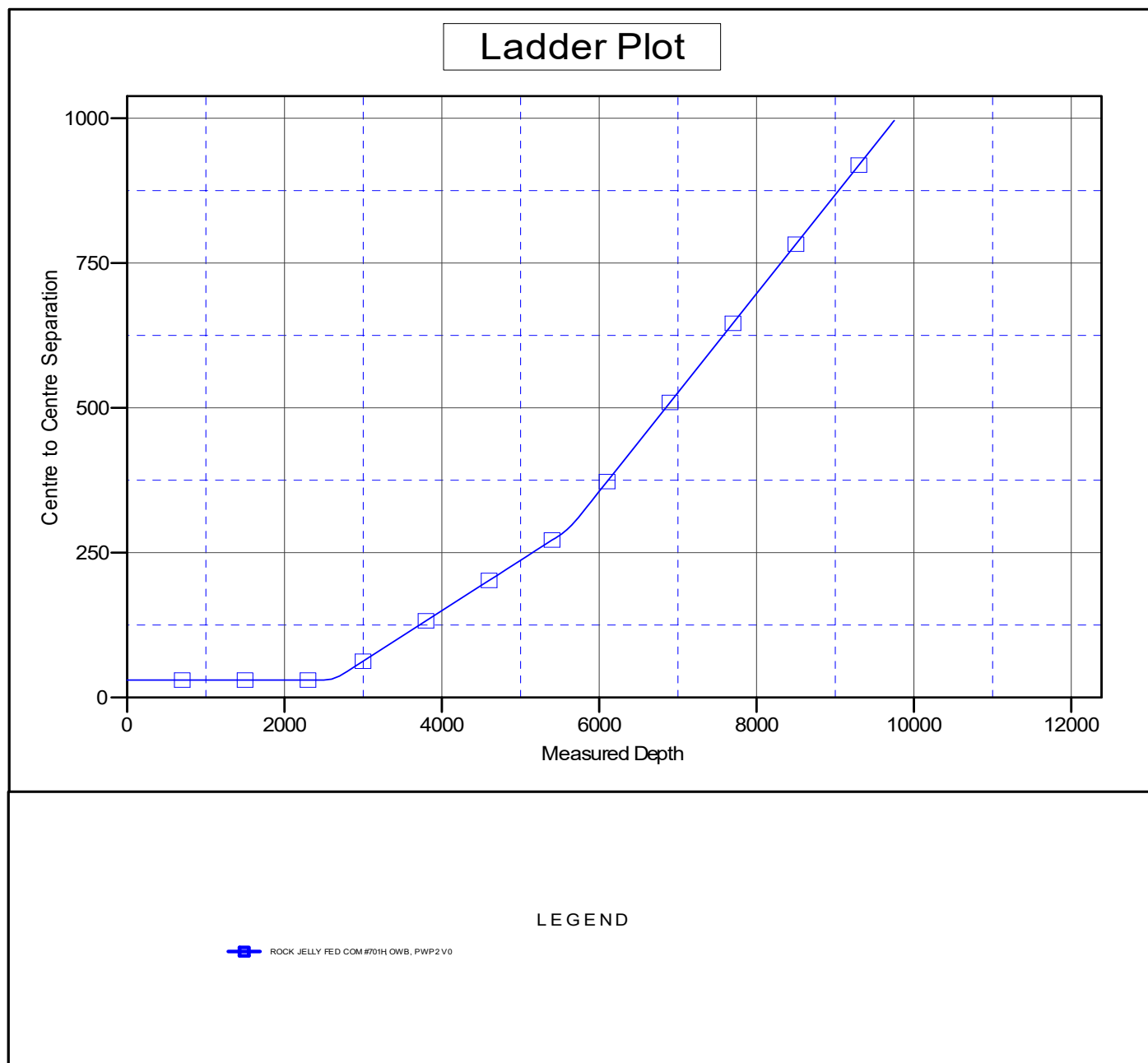
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

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

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

Grid Convergence at Surface is: 0.19°



Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Reference Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	ROCK JELLY FED COM #702H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=27' @ 3004.8usft (N 893)

Offset Depths are relative to Offset Datum

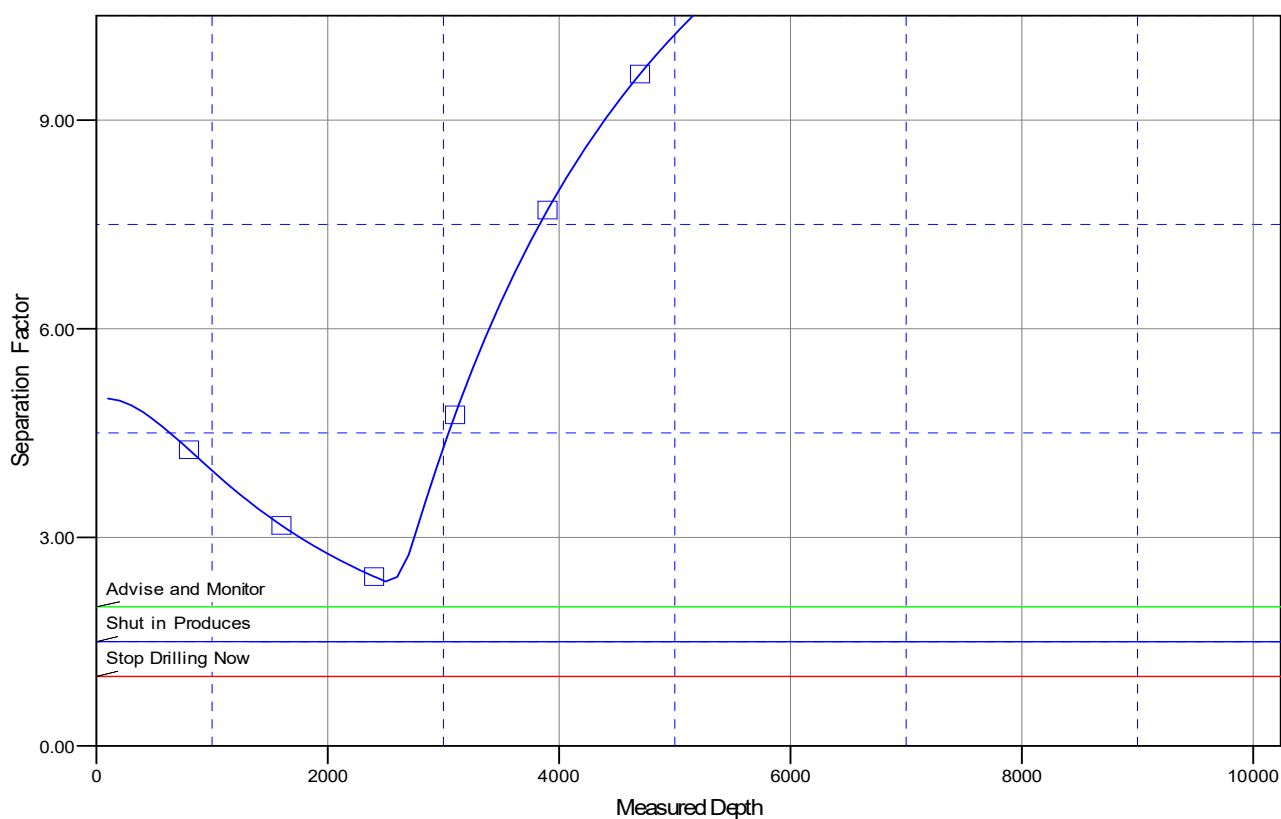
Central Meridian is 104° 20' 0.000 W

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

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

Grid Convergence at Surface is: 0.19°

Separation Factor Plot



LEGEND

ROCK JELLY FED COM #701H OWB, PWP2 V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

ROCK JELLY FEDERAL PROJECT (ATLAS 2629)

ROCK JELLY FED COM #702H

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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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 #702H			
Well Position	+N/-S	0.0 usft	Northing:	392,391.50 usft
	+E/-W	0.0 usft	Easting:	613,585.90 usft
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft
			Latitude:	32° 4' 41.769 N
			Longitude:	103° 57' 59.797 W
			Ground Level:	2,977.8 usft

Wellbore	OWB
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	7/2/2020	6.83	59.74	47,468.74449289

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	180.72

Survey Tool Program		Date	7/2/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	25,713.0	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR 1 + 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 #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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)
5,600.0	2.00	270.00	5,600.0	0.0	-1.7	0.0	2.00	2.00	0.00
5,700.0	4.00	270.00	5,699.8	0.0	-7.0	0.1	2.00	2.00	0.00
5,741.5	4.83	270.00	5,741.2	0.0	-10.2	0.1	2.00	2.00	0.00
Start 3993.9 hold at 5741.5 MD									
5,800.0	4.83	270.00	5,799.5	0.0	-15.1	0.2	0.00	0.00	0.00
5,900.0	4.83	270.00	5,899.2	0.0	-23.5	0.3	0.00	0.00	0.00
6,000.0	4.83	270.00	5,998.8	0.0	-31.9	0.4	0.00	0.00	0.00
6,100.0	4.83	270.00	6,098.4	0.0	-40.4	0.5	0.00	0.00	0.00
6,200.0	4.83	270.00	6,198.1	0.0	-48.8	0.6	0.00	0.00	0.00
6,300.0	4.83	270.00	6,297.7	0.0	-57.2	0.7	0.00	0.00	0.00
6,400.0	4.83	270.00	6,397.4	0.0	-65.6	0.8	0.00	0.00	0.00
6,500.0	4.83	270.00	6,497.0	0.0	-74.0	0.9	0.00	0.00	0.00
6,600.0	4.83	270.00	6,596.7	0.0	-82.5	1.0	0.00	0.00	0.00
6,700.0	4.83	270.00	6,696.3	0.0	-90.9	1.1	0.00	0.00	0.00
6,800.0	4.83	270.00	6,796.0	0.0	-99.3	1.2	0.00	0.00	0.00
6,900.0	4.83	270.00	6,895.6	0.0	-107.7	1.3	0.00	0.00	0.00
7,000.0	4.83	270.00	6,995.2	0.0	-116.1	1.5	0.00	0.00	0.00
7,100.0	4.83	270.00	7,094.9	0.0	-124.6	1.6	0.00	0.00	0.00
7,200.0	4.83	270.00	7,194.5	0.0	-133.0	1.7	0.00	0.00	0.00
7,300.0	4.83	270.00	7,294.2	0.0	-141.4	1.8	0.00	0.00	0.00
7,400.0	4.83	270.00	7,393.8	0.0	-149.8	1.9	0.00	0.00	0.00
7,500.0	4.83	270.00	7,493.5	0.0	-158.2	2.0	0.00	0.00	0.00
7,600.0	4.83	270.00	7,593.1	0.0	-166.7	2.1	0.00	0.00	0.00
7,700.0	4.83	270.00	7,692.8	0.0	-175.1	2.2	0.00	0.00	0.00
7,800.0	4.83	270.00	7,792.4	0.0	-183.5	2.3	0.00	0.00	0.00
7,900.0	4.83	270.00	7,892.0	0.0	-191.9	2.4	0.00	0.00	0.00
8,000.0	4.83	270.00	7,991.7	0.0	-200.3	2.5	0.00	0.00	0.00
8,100.0	4.83	270.00	8,091.3	0.0	-208.8	2.6	0.00	0.00	0.00
8,200.0	4.83	270.00	8,191.0	0.0	-217.2	2.7	0.00	0.00	0.00
8,300.0	4.83	270.00	8,290.6	0.0	-225.6	2.8	0.00	0.00	0.00
8,400.0	4.83	270.00	8,390.3	0.0	-234.0	2.9	0.00	0.00	0.00
8,500.0	4.83	270.00	8,489.9	0.0	-242.4	3.0	0.00	0.00	0.00
8,600.0	4.83	270.00	8,589.6	0.0	-250.9	3.1	0.00	0.00	0.00
8,700.0	4.83	270.00	8,689.2	0.0	-259.3	3.2	0.00	0.00	0.00
8,800.0	4.83	270.00	8,788.9	0.0	-267.7	3.4	0.00	0.00	0.00
8,900.0	4.83	270.00	8,888.5	0.0	-276.1	3.5	0.00	0.00	0.00
9,000.0	4.83	270.00	8,988.1	0.0	-284.5	3.6	0.00	0.00	0.00
9,100.0	4.83	270.00	9,087.8	0.0	-293.0	3.7	0.00	0.00	0.00
9,200.0	4.83	270.00	9,187.4	0.0	-301.4	3.8	0.00	0.00	0.00
9,300.0	4.83	270.00	9,287.1	0.0	-309.8	3.9	0.00	0.00	0.00
9,400.0	4.83	270.00	9,386.7	0.0	-318.2	4.0	0.00	0.00	0.00
9,500.0	4.83	270.00	9,486.4	0.0	-326.6	4.1	0.00	0.00	0.00
9,600.0	4.83	270.00	9,586.0	0.0	-335.1	4.2	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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)
9,700.0	4.83	270.00	9,685.7	0.0	-343.5	4.3	0.00	0.00	0.00
9,735.4	4.83	270.00	9,720.9	0.0	-346.5	4.3	0.00	0.00	0.00
Start DLS 10.00 TFO -92.61									
9,800.0	7.88	214.94	9,785.2	-3.6	-351.7	8.0	10.00	4.73	-85.19
9,900.0	16.93	193.49	9,882.8	-23.5	-359.1	28.0	10.00	9.04	-21.45
10,000.0	26.65	187.07	9,975.5	-60.0	-365.2	64.5	10.00	9.73	-6.42
10,100.0	36.52	183.93	10,060.6	-112.0	-370.0	116.7	10.00	9.87	-3.14
10,200.0	46.44	181.99	10,135.5	-178.1	-373.3	182.8	10.00	9.92	-1.94
10,300.0	56.38	180.60	10,197.8	-256.1	-375.0	260.8	10.00	9.94	-1.39
10,400.0	66.33	179.50	10,245.6	-343.8	-375.1	348.5	10.00	9.95	-1.10
10,500.0	76.29	178.56	10,277.6	-438.4	-373.5	443.0	10.00	9.96	-0.94
10,600.0	86.26	177.70	10,292.8	-537.1	-370.2	541.6	10.00	9.96	-0.86
10,639.9	90.23	177.36	10,294.0	-576.9	-368.5	581.4	10.00	9.96	-0.84
Start 4573.5 hold at 10639.9 MD									
10,700.0	90.23	177.36	10,293.8	-636.9	-365.8	641.5	0.00	0.00	0.00
10,800.0	90.23	177.36	10,293.4	-736.8	-361.2	741.3	0.00	0.00	0.00
10,900.0	90.23	177.36	10,293.0	-836.7	-356.6	841.1	0.00	0.00	0.00
11,000.0	90.23	177.36	10,292.6	-936.6	-352.0	940.9	0.00	0.00	0.00
11,100.0	90.23	177.36	10,292.2	-1,036.5	-347.4	1,040.8	0.00	0.00	0.00
11,200.0	90.23	177.36	10,291.8	-1,136.4	-342.8	1,140.6	0.00	0.00	0.00
11,300.0	90.23	177.36	10,291.4	-1,236.3	-338.2	1,240.4	0.00	0.00	0.00
11,400.0	90.23	177.36	10,291.0	-1,336.2	-333.6	1,340.3	0.00	0.00	0.00
11,500.0	90.23	177.36	10,290.6	-1,436.1	-329.0	1,440.1	0.00	0.00	0.00
11,600.0	90.23	177.36	10,290.2	-1,536.0	-324.4	1,539.9	0.00	0.00	0.00
11,700.0	90.23	177.36	10,289.8	-1,635.9	-319.8	1,639.7	0.00	0.00	0.00
11,800.0	90.23	177.36	10,289.4	-1,735.8	-315.2	1,739.6	0.00	0.00	0.00
11,900.0	90.23	177.36	10,289.0	-1,835.6	-310.6	1,839.4	0.00	0.00	0.00
12,000.0	90.23	177.36	10,288.6	-1,935.5	-306.0	1,939.2	0.00	0.00	0.00
12,100.0	90.23	177.36	10,288.2	-2,035.4	-301.4	2,039.0	0.00	0.00	0.00
12,200.0	90.23	177.36	10,287.8	-2,135.3	-296.8	2,138.9	0.00	0.00	0.00
12,300.0	90.23	177.36	10,287.4	-2,235.2	-292.2	2,238.7	0.00	0.00	0.00
12,400.0	90.23	177.36	10,287.0	-2,335.1	-287.6	2,338.5	0.00	0.00	0.00
12,500.0	90.23	177.36	10,286.6	-2,435.0	-283.0	2,438.4	0.00	0.00	0.00
12,600.0	90.23	177.36	10,286.2	-2,534.9	-278.4	2,538.2	0.00	0.00	0.00
12,700.0	90.23	177.36	10,285.8	-2,634.8	-273.8	2,638.0	0.00	0.00	0.00
12,800.0	90.23	177.36	10,285.4	-2,734.7	-269.2	2,737.8	0.00	0.00	0.00
12,900.0	90.23	177.36	10,285.0	-2,834.6	-264.6	2,837.7	0.00	0.00	0.00
13,000.0	90.23	177.36	10,284.6	-2,934.5	-260.0	2,937.5	0.00	0.00	0.00
13,100.0	90.23	177.36	10,284.2	-3,034.4	-255.4	3,037.3	0.00	0.00	0.00
13,200.0	90.23	177.36	10,283.8	-3,134.3	-250.8	3,137.2	0.00	0.00	0.00
13,300.0	90.23	177.36	10,283.4	-3,234.2	-246.2	3,237.0	0.00	0.00	0.00
13,400.0	90.23	177.36	10,283.0	-3,334.0	-241.6	3,336.8	0.00	0.00	0.00
13,500.0	90.23	177.36	10,282.6	-3,433.9	-237.0	3,436.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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)
13,600.0	90.23	177.36	10,282.2	-3,533.8	-232.4	3,536.5	0.00	0.00	0.00
13,700.0	90.23	177.36	10,281.8	-3,633.7	-227.8	3,636.3	0.00	0.00	0.00
13,800.0	90.23	177.36	10,281.4	-3,733.6	-223.2	3,736.1	0.00	0.00	0.00
13,900.0	90.23	177.36	10,281.0	-3,833.5	-218.6	3,836.0	0.00	0.00	0.00
14,000.0	90.23	177.36	10,280.6	-3,933.4	-214.0	3,935.8	0.00	0.00	0.00
14,100.0	90.23	177.36	10,280.2	-4,033.3	-209.4	4,035.6	0.00	0.00	0.00
14,200.0	90.23	177.36	10,279.8	-4,133.2	-204.8	4,135.4	0.00	0.00	0.00
14,300.0	90.23	177.36	10,279.4	-4,233.1	-200.2	4,235.3	0.00	0.00	0.00
14,400.0	90.23	177.36	10,279.0	-4,333.0	-195.6	4,335.1	0.00	0.00	0.00
14,500.0	90.23	177.36	10,278.6	-4,432.9	-191.0	4,434.9	0.00	0.00	0.00
14,600.0	90.23	177.36	10,278.2	-4,532.8	-186.4	4,534.7	0.00	0.00	0.00
14,700.0	90.23	177.36	10,277.8	-4,632.7	-181.8	4,634.6	0.00	0.00	0.00
14,800.0	90.23	177.36	10,277.4	-4,732.6	-177.2	4,734.4	0.00	0.00	0.00
14,900.0	90.23	177.36	10,277.0	-4,832.4	-172.6	4,834.2	0.00	0.00	0.00
15,000.0	90.23	177.36	10,276.6	-4,932.3	-168.0	4,934.1	0.00	0.00	0.00
15,100.0	90.23	177.36	10,276.3	-5,032.2	-163.4	5,033.9	0.00	0.00	0.00
15,200.0	90.23	177.36	10,275.9	-5,132.1	-158.8	5,133.7	0.00	0.00	0.00
15,213.3	90.23	177.36	10,275.8	-5,145.5	-158.2	5,147.0	0.00	0.00	0.00
Start DLS 2.00 TFO 90.02									
15,300.0	90.23	179.10	10,275.5	-5,232.1	-155.5	5,233.6	2.00	0.00	2.00
15,394.1	90.23	180.98	10,275.1	-5,326.1	-155.5	5,327.6	2.00	0.00	2.00
Start 2496.3 hold at 15394.1 MD									
15,400.0	90.23	180.98	10,275.1	-5,332.1	-155.6	5,333.6	0.00	0.00	0.00
15,500.0	90.23	180.98	10,274.7	-5,432.0	-157.3	5,433.6	0.00	0.00	0.00
15,600.0	90.23	180.98	10,274.3	-5,532.0	-159.1	5,533.6	0.00	0.00	0.00
15,700.0	90.23	180.98	10,273.9	-5,632.0	-160.8	5,633.6	0.00	0.00	0.00
15,800.0	90.23	180.98	10,273.5	-5,732.0	-162.5	5,733.6	0.00	0.00	0.00
15,900.0	90.23	180.98	10,273.1	-5,832.0	-164.2	5,833.6	0.00	0.00	0.00
16,000.0	90.23	180.98	10,272.7	-5,932.0	-165.9	5,933.6	0.00	0.00	0.00
16,100.0	90.23	180.98	10,272.3	-6,032.0	-167.6	6,033.6	0.00	0.00	0.00
16,200.0	90.23	180.98	10,271.9	-6,131.9	-169.3	6,133.6	0.00	0.00	0.00
16,300.0	90.23	180.98	10,271.5	-6,231.9	-171.0	6,233.6	0.00	0.00	0.00
16,400.0	90.23	180.98	10,271.1	-6,331.9	-172.7	6,333.6	0.00	0.00	0.00
16,500.0	90.23	180.98	10,270.7	-6,431.9	-174.4	6,433.6	0.00	0.00	0.00
16,600.0	90.23	180.98	10,270.3	-6,531.9	-176.1	6,533.6	0.00	0.00	0.00
16,700.0	90.23	180.98	10,269.9	-6,631.9	-177.8	6,633.6	0.00	0.00	0.00
16,800.0	90.23	180.98	10,269.5	-6,731.8	-179.5	6,733.6	0.00	0.00	0.00
16,900.0	90.23	180.98	10,269.1	-6,831.8	-181.2	6,833.6	0.00	0.00	0.00
17,000.0	90.23	180.98	10,268.7	-6,931.8	-182.9	6,933.6	0.00	0.00	0.00
17,100.0	90.23	180.98	10,268.3	-7,031.8	-184.6	7,033.6	0.00	0.00	0.00
17,200.0	90.23	180.98	10,267.9	-7,131.8	-186.4	7,133.6	0.00	0.00	0.00
17,300.0	90.23	180.98	10,267.5	-7,231.8	-188.1	7,233.6	0.00	0.00	0.00
17,400.0	90.23	180.98	10,267.1	-7,331.8	-189.8	7,333.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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)
17,500.0	90.23	180.98	10,266.7	-7,431.7	-191.5	7,433.6	0.00	0.00	0.00
17,600.0	90.23	180.98	10,266.3	-7,531.7	-193.2	7,533.6	0.00	0.00	0.00
17,700.0	90.23	180.98	10,266.0	-7,631.7	-194.9	7,633.6	0.00	0.00	0.00
17,800.0	90.23	180.98	10,265.6	-7,731.7	-196.6	7,733.6	0.00	0.00	0.00
17,890.4	90.23	180.98	10,265.2	-7,822.0	-198.1	7,823.9	0.00	0.00	0.00
Start DLS 2.00 TFO -89.90									
17,900.0	90.23	180.79	10,265.2	-7,831.7	-198.3	7,833.5	2.00	0.00	-2.00
17,938.1	90.23	180.02	10,265.0	-7,869.8	-198.6	7,871.7	2.00	0.00	-2.00
Start 2636.9 hold at 17938.1 MD									
18,000.0	90.23	180.02	10,264.8	-7,931.7	-198.6	7,933.5	0.00	0.00	0.00
18,100.0	90.23	180.02	10,264.4	-8,031.7	-198.6	8,033.5	0.00	0.00	0.00
18,200.0	90.23	180.02	10,264.0	-8,131.7	-198.7	8,133.5	0.00	0.00	0.00
18,300.0	90.23	180.02	10,263.6	-8,231.7	-198.7	8,233.5	0.00	0.00	0.00
18,400.0	90.23	180.02	10,263.2	-8,331.7	-198.7	8,333.5	0.00	0.00	0.00
18,500.0	90.23	180.02	10,262.8	-8,431.7	-198.8	8,433.5	0.00	0.00	0.00
18,600.0	90.23	180.02	10,262.4	-8,531.7	-198.8	8,533.5	0.00	0.00	0.00
18,700.0	90.23	180.02	10,262.0	-8,631.7	-198.9	8,633.5	0.00	0.00	0.00
18,800.0	90.23	180.02	10,261.6	-8,731.7	-198.9	8,733.5	0.00	0.00	0.00
18,900.0	90.23	180.02	10,261.2	-8,831.7	-198.9	8,833.5	0.00	0.00	0.00
19,000.0	90.23	180.02	10,260.8	-8,931.7	-199.0	8,933.5	0.00	0.00	0.00
19,100.0	90.23	180.02	10,260.4	-9,031.7	-199.0	9,033.5	0.00	0.00	0.00
19,200.0	90.23	180.02	10,260.0	-9,131.7	-199.0	9,133.4	0.00	0.00	0.00
19,300.0	90.23	180.02	10,259.6	-9,231.7	-199.1	9,233.4	0.00	0.00	0.00
19,400.0	90.23	180.02	10,259.2	-9,331.7	-199.1	9,333.4	0.00	0.00	0.00
19,500.0	90.23	180.02	10,258.8	-9,431.7	-199.2	9,433.4	0.00	0.00	0.00
19,600.0	90.23	180.02	10,258.4	-9,531.7	-199.2	9,533.4	0.00	0.00	0.00
19,700.0	90.23	180.02	10,258.0	-9,631.7	-199.2	9,633.4	0.00	0.00	0.00
19,800.0	90.23	180.02	10,257.6	-9,731.7	-199.3	9,733.4	0.00	0.00	0.00
19,900.0	90.23	180.02	10,257.2	-9,831.7	-199.3	9,833.4	0.00	0.00	0.00
20,000.0	90.23	180.02	10,256.8	-9,931.7	-199.4	9,933.4	0.00	0.00	0.00
20,100.0	90.23	180.02	10,256.4	-10,031.7	-199.4	10,033.4	0.00	0.00	0.00
20,200.0	90.23	180.02	10,256.0	-10,131.7	-199.4	10,133.4	0.00	0.00	0.00
20,300.0	90.23	180.02	10,255.6	-10,231.7	-199.5	10,233.4	0.00	0.00	0.00
20,400.0	90.23	180.02	10,255.2	-10,331.7	-199.5	10,333.3	0.00	0.00	0.00
20,500.0	90.23	180.02	10,254.8	-10,431.7	-199.6	10,433.3	0.00	0.00	0.00
20,575.0	90.23	180.02	10,254.5	-10,506.6	-199.6	10,508.3	0.00	0.00	0.00
Start DLS 2.00 TFO -89.67									
20,586.7	90.23	179.79	10,254.5	-10,518.3	-199.6	10,520.0	2.00	0.01	-2.00
Start 2657.0 hold at 20586.7 MD									
20,600.0	90.23	179.79	10,254.4	-10,531.7	-199.5	10,533.3	0.00	0.00	0.00
20,700.0	90.23	179.79	10,254.0	-10,631.7	-199.2	10,633.3	0.00	0.00	0.00
20,800.0	90.23	179.79	10,253.6	-10,731.7	-198.8	10,733.3	0.00	0.00	0.00
20,900.0	90.23	179.79	10,253.2	-10,831.7	-198.4	10,833.3	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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	179.79	10,252.8	-10,931.7	-198.0	10,933.3	0.00	0.00	0.00
21,100.0	90.23	179.79	10,252.4	-11,031.6	-197.7	11,033.3	0.00	0.00	0.00
21,200.0	90.23	179.79	10,252.0	-11,131.6	-197.3	11,133.2	0.00	0.00	0.00
21,300.0	90.23	179.79	10,251.6	-11,231.6	-196.9	11,233.2	0.00	0.00	0.00
21,400.0	90.23	179.79	10,251.2	-11,331.6	-196.6	11,333.2	0.00	0.00	0.00
21,500.0	90.23	179.79	10,250.8	-11,431.6	-196.2	11,433.2	0.00	0.00	0.00
21,600.0	90.23	179.79	10,250.4	-11,531.6	-195.8	11,533.2	0.00	0.00	0.00
21,700.0	90.23	179.79	10,250.0	-11,631.6	-195.5	11,633.2	0.00	0.00	0.00
21,800.0	90.23	179.79	10,249.6	-11,731.6	-195.1	11,733.2	0.00	0.00	0.00
21,900.0	90.23	179.79	10,249.2	-11,831.6	-194.7	11,833.1	0.00	0.00	0.00
22,000.0	90.23	179.79	10,248.8	-11,931.6	-194.4	11,933.1	0.00	0.00	0.00
22,100.0	90.23	179.79	10,248.4	-12,031.6	-194.0	12,033.1	0.00	0.00	0.00
22,200.0	90.23	179.79	10,248.0	-12,131.6	-193.6	12,133.1	0.00	0.00	0.00
22,300.0	90.23	179.79	10,247.6	-12,231.6	-193.3	12,233.1	0.00	0.00	0.00
22,400.0	90.23	179.79	10,247.2	-12,331.6	-192.9	12,333.1	0.00	0.00	0.00
22,500.0	90.23	179.79	10,246.8	-12,431.6	-192.5	12,433.1	0.00	0.00	0.00
22,600.0	90.23	179.79	10,246.4	-12,531.6	-192.1	12,533.1	0.00	0.00	0.00
22,700.0	90.23	179.79	10,246.0	-12,631.6	-191.8	12,633.0	0.00	0.00	0.00
22,800.0	90.23	179.79	10,245.6	-12,731.6	-191.4	12,733.0	0.00	0.00	0.00
22,900.0	90.23	179.79	10,245.2	-12,831.6	-191.0	12,833.0	0.00	0.00	0.00
23,000.0	90.23	179.79	10,244.8	-12,931.6	-190.7	12,933.0	0.00	0.00	0.00
23,100.0	90.23	179.79	10,244.4	-13,031.6	-190.3	13,033.0	0.00	0.00	0.00
23,200.0	90.23	179.79	10,244.0	-13,131.6	-189.9	13,133.0	0.00	0.00	0.00
23,243.7	90.23	179.79	10,243.8	-13,175.3	-189.8	13,176.6	0.00	0.00	0.00
Start DLS 2.00 TFO 90.38									
23,261.4	90.23	180.14	10,243.7	-13,193.0	-189.8	13,194.4	2.00	-0.01	2.00
Start 2451.6 hold at 23261.4 MD									
23,300.0	90.23	180.14	10,243.6	-13,231.6	-189.9	13,233.0	0.00	0.00	0.00
23,400.0	90.23	180.14	10,243.2	-13,331.6	-190.1	13,333.0	0.00	0.00	0.00
23,500.0	90.23	180.14	10,242.8	-13,431.6	-190.4	13,432.9	0.00	0.00	0.00
23,600.0	90.23	180.14	10,242.4	-13,531.6	-190.6	13,532.9	0.00	0.00	0.00
23,700.0	90.23	180.14	10,242.0	-13,631.6	-190.9	13,632.9	0.00	0.00	0.00
23,800.0	90.23	180.14	10,241.6	-13,731.6	-191.1	13,732.9	0.00	0.00	0.00
23,900.0	90.23	180.14	10,241.2	-13,831.6	-191.4	13,832.9	0.00	0.00	0.00
24,000.0	90.23	180.14	10,240.8	-13,931.6	-191.6	13,932.9	0.00	0.00	0.00
24,100.0	90.23	180.14	10,240.4	-14,031.6	-191.9	14,032.9	0.00	0.00	0.00
24,200.0	90.23	180.14	10,240.0	-14,131.6	-192.1	14,132.9	0.00	0.00	0.00
24,300.0	90.23	180.14	10,239.6	-14,231.6	-192.4	14,232.9	0.00	0.00	0.00
24,400.0	90.23	180.14	10,239.2	-14,331.6	-192.6	14,332.9	0.00	0.00	0.00
24,500.0	90.23	180.14	10,238.8	-14,431.6	-192.9	14,432.9	0.00	0.00	0.00
24,600.0	90.23	180.14	10,238.4	-14,531.6	-193.1	14,532.9	0.00	0.00	0.00
24,700.0	90.23	180.14	10,238.0	-14,631.6	-193.4	14,632.9	0.00	0.00	0.00
24,800.0	90.23	180.14	10,237.6	-14,731.6	-193.6	14,732.9	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	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)
24,900.0	90.23	180.14	10,237.2	-14,831.6	-193.9	14,832.9	0.00	0.00	0.00
25,000.0	90.23	180.14	10,236.8	-14,931.6	-194.1	14,932.9	0.00	0.00	0.00
25,100.0	90.23	180.14	10,236.4	-15,031.6	-194.4	15,032.9	0.00	0.00	0.00
25,200.0	90.23	180.14	10,236.0	-15,131.6	-194.6	15,132.8	0.00	0.00	0.00
25,300.0	90.23	180.14	10,235.6	-15,231.6	-194.9	15,232.8	0.00	0.00	0.00
25,400.0	90.23	180.14	10,235.2	-15,331.6	-195.1	15,332.8	0.00	0.00	0.00
25,500.0	90.23	180.14	10,234.8	-15,431.6	-195.4	15,432.8	0.00	0.00	0.00
25,600.0	90.23	180.14	10,234.4	-15,531.6	-195.6	15,532.8	0.00	0.00	0.00
25,700.0	90.23	180.14	10,234.1	-15,631.6	-195.9	15,632.8	0.00	0.00	0.00
25,713.0	90.23	180.14	10,234.0	-15,644.6	-195.9	15,645.8	0.00	0.00	0.00
TD at 25713.0									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (ROCK JELLY I - hit/miss target - Shape)	0.23	0.14	10,234.0	-15,644.6	-195.9	376,746.90	613,390.00	32° 2' 6.950 N	103° 58' 2.690 W
- plan hits target center - Rectangle (sides W100.0 H2,469.2 D20.0)									
LTP (ROCK JELLY FE - plan misses target center by 2.0usft at 25582.8usft MD (10234.5 TVD, -15514.4 N, -195.6 E) - Point)	0.00	0.01	10,234.0	-15,514.4	-197.5	376,877.10	613,388.40	32° 2' 8.238 N	103° 58' 2.703 W
T4 (ROCK JELLY FEI - plan hits target center - Rectangle (sides W100.0 H2,668.3 D20.0)	0.23	359.79	10,243.8	-13,175.3	-189.8	379,216.20	613,396.13	32° 2' 31.387 N	103° 58' 2.521 W
T3 (ROCK JELLY FEI - plan hits target center - Rectangle (sides W100.0 H2,684.3 D20.0)	0.23	0.02	10,254.5	-10,506.6	-199.6	381,884.87	613,386.31	32° 2' 57.798 N	103° 58' 2.530 W
T2 (ROCK JELLY FEI - plan hits target center - Rectangle (sides W100.0 H2,677.0 D20.0)	0.23	9.80	10,265.2	-7,822.0	-198.1	384,569.46	613,387.77	32° 3' 24.365 N	103° 58' 2.408 W
T1 (ROCK JELLY FEI - plan hits target center - Rectangle (sides W100.0 H5,147.0 D20.0)	0.23	357.36	10,275.8	-5,145.5	-158.2	387,246.04	613,427.75	32° 3' 50.853 N	103° 58' 1.838 W
FTP (ROCK JELLY FI - plan misses target center by 158.3usft at 10255.2usft MD (10171.5 TVD, -219.8 N, -374.5 E) - Circle (radius 50.0)	0.00	0.00	10,294.0	-121.6	-394.7	392,269.90	613,191.20	32° 4' 40.579 N	103° 58' 4.389 W

Concho Resources LLC

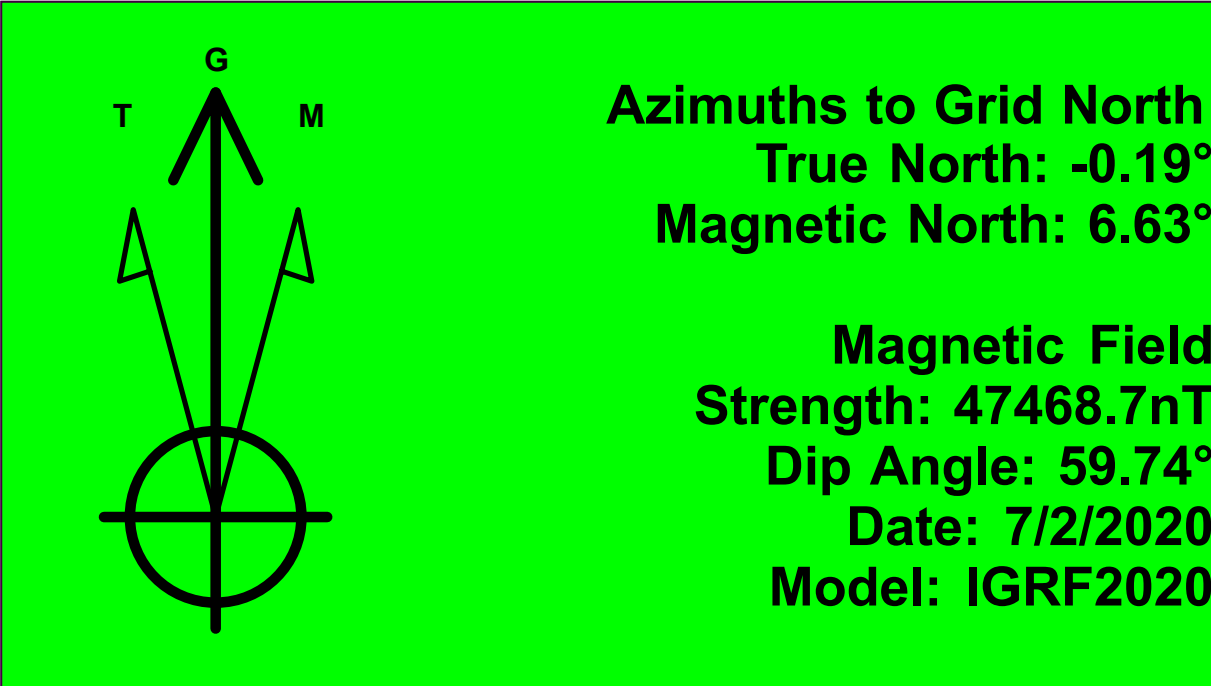
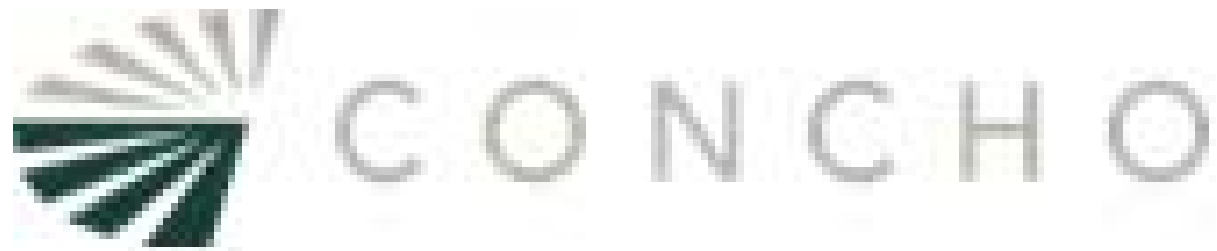
Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well ROCK JELLY FED COM #702H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	KB=27' @ 3004.8usft (N 893)
Site:	ROCK JELLY FEDERAL PROJECT (ATLAS 2629)	MD Reference:	KB=27' @ 3004.8usft (N 893)
Well:	ROCK JELLY FED COM #702H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5500	5500	0	0	Start Build 2.00
5742	5741	0	-10	Start 3993.9 hold at 5741.5 MD
9735	9721	0	-346	Start DLS 10.00 TFO -92.61
10,640	10,294	-577	-369	Start 4573.5 hold at 10639.9 MD
15,213	10,276	-5145	-158	Start DLS 2.00 TFO 90.02
15,394	10,275	-5326	-156	Start 2496.3 hold at 15394.1 MD
17,890	10,265	-7822	-198	Start DLS 2.00 TFO -89.90
17,938	10,265	-7870	-199	Start 2636.9 hold at 17938.1 MD
20,575	10,254	-10,507	-200	Start DLS 2.00 TFO -89.67
20,587	10,254	-10,518	-200	Start 2657.0 hold at 20586.7 MD
23,244	10,244	-13,175	-190	Start DLS 2.00 TFO 90.38
23,261	10,244	-13,193	-190	Start 2451.6 hold at 23261.4 MD
25,713	10,234	-15,645	-196	TD at 25713.0

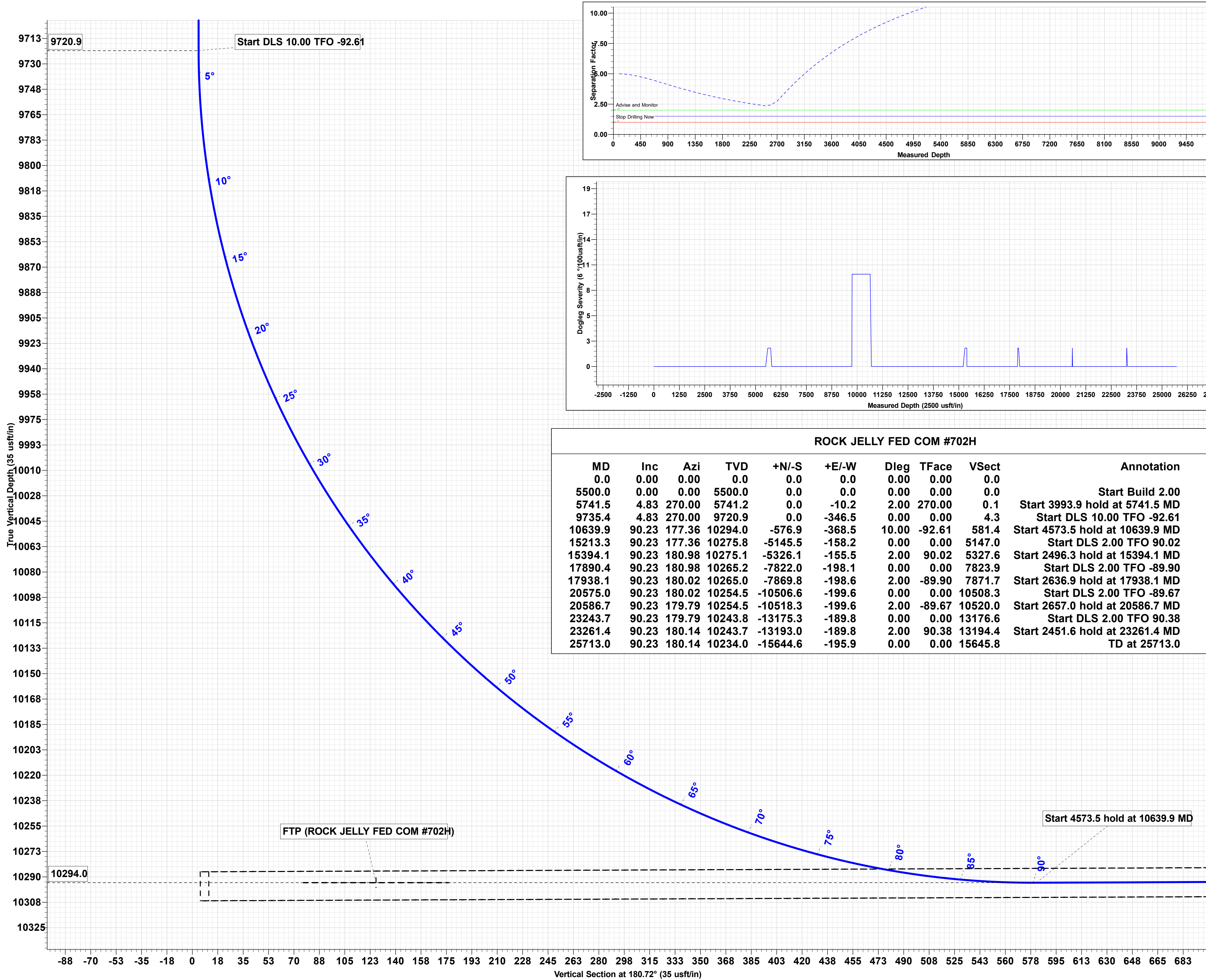
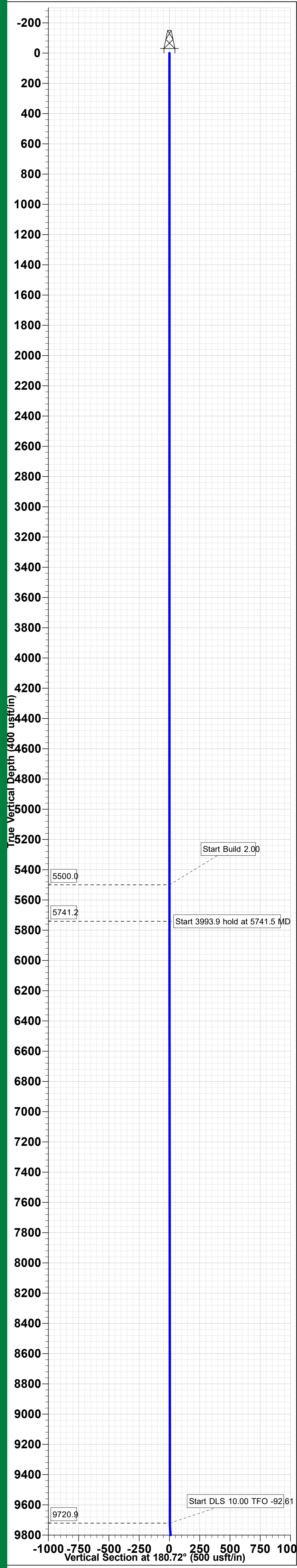
Checked By: _____ Approved By: _____ Date: _____



Project: ATLAS PROSPECT (NM-E)
Site: ROCK JELLY FEDERAL PROJECT (ATLAS 2629)
Well: ROCK JELLY FED COM #702H
Wellbore: OWPB
Design: PWP2
GL: 2977.8
KB=27' @ 3004.8usft (N 893)

WELL DETAILS: ROCK JELLY FED COM #702H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	392391.50	613885.90	32° 4' 41.769 N	103° 57' 59.797 W

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP (ROCK JELLY FED COM #702H)	10234.0	-15514.4	-197.5	376877.10	613388.40	32° 2' 8.238 N
PBHL (ROCK JELLY FED COM #702H)	10234.0	-15644.6	-195.9	376746.90	613390.00	32° 2' 6.950 N
T4 (ROCK JELLY FED COM #702H)	10243.8	-13175.3	-189.8	379216.20	613396.13	32° 2' 31.387 N
T3 (ROCK JELLY FED COM #702H)	10254.5	-10506.6	-199.6	381884.87	613386.31	32° 2' 57.798 N
T2 (ROCK JELLY FED COM #702H)	10265.2	-7822.0	-198.1	384569.46	613387.76	32° 3' 24.365 N
T1 (ROCK JELLY FED COM #702H)	10275.8	-5145.5	-158.2	387246.04	613427.75	32° 3' 50.853 N
FTP (ROCK JELLY FED COM #702H)	10294.0	-121.6	-394.7	392269.90	613191.20	32° 4' 40.579 N



ROCK JELLY FED COM #702H									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
5500.0	0.00	0.00	5500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
5741.5	4.83	270.00	5741.2	0.0	-10.2	2.00	270.00	0.1	Start 3993.9 hold at 5741.5 MD
9735.4	4.83	270.00	9720.9	0.0	-346.5	0.00	0.00	4.3	Start DLS 10.00 TFO -92.61
10639.9	90.23	177.36	10294.0	-576.9	-368.5	10.00	-92.61	581.4	Start 4573.5 hold at 10639.9 MD
15213.3	90.23	177.36	10275.8	-5145.5	-158.2	0.00	90.02	5147.0	Start DLS 2.00 TFO 90.02
15394.1	90.23	180.98	10275.1	-5326.1	-155.5	2.00	90.02	5327.6	Start 2496.3 hold at 15394.1 MD
17890.4	90.23	180.98	10265.2	-7822.0	-198.1	0.00	0.00	7823.9	Start DLS 2.00 TFO -89.90
17938.1	90.23	180.02	10265.0	-7869.8	-198.6	2.00	-89.90	7871.7	Start 2636.9 hold at 17938.1 MD
20575.0	90.23	180.02	10254.5	-10506.6	-199.6	0.00	0.00	10508.3	Start DLS 2.00 TFO -89.67
20586.7	90.23	179.79	10254.5	-10518.3	-199.6	2.00	-89.67	10520.0	Start 2657.0 hold at 20586.7 MD
23243.7	90.23	179.79	10243.8	-13175.3	-189.8	0.00	0.00	13176.6	Start DLS 2.00 TFO 90.38
23261.4	90.23	180.14	10243.7	-13193.0	-189.8	2.00	90.38	13194.4	Start 2451.6 hold at 23261.4 MD
25713.0	90.23	180.14	10234.0	-15644.6	-195.9	0.00	0.00	15645.8	TD at 25713.0

