

District I

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

District II

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

District III

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

District IV

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

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

Form C-101
August 1, 2011

Permit 291649

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 229137
		3. API Number 30-015-47994
4. Property Code 38521	5. Property Name MYOX 21 STATE COM	6. Well No. 501H

7. Surface Location

UL - Lot C	Section 28	Township 25S	Range 28E	Lot Idn C	Feet From 240	N/S Line N	Feet From 2585	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot B	Section 16	Township 25S	Range 28E	Lot Idn B	Feet From 50	N/S Line N	Feet From 1485	E/W Line E	County Eddy
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9. Pool Information

SAN LORENZO;BONE SPRING	53600
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type Private	15. Ground Level Elevation 2968
16. Multiple N	17. Proposed Depth 18802	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 5/1/2021
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	500	400	0
Int1	12.25	9.625	40	2450	800	0
Prod	8.75	5.5	17	18802	3200	2250

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	CAMERON

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.	OIL CONSERVATION DIVISION	
Signature:		
Printed Name: Electronically filed by Robyn Russell	Approved By: Kurt Simmons	
Title: Regulatory Compliance Lead	Title: Petroleum Specialist - A	
Email Address: rrussell@concho.com	Approved Date: 2/3/2021	Expiration Date: 2/3/2023
Date: 1/26/2021	Phone: 432-685-4385	Conditions of Approval Attached

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-		2 Pool Code 53600		3 Pool Name San Lorenzo; Bone Spring	
4 Property Code		5 Property Name MYOX 21 STATE COM			6 Well Number 501H
7 OGRID No. 229137		8 Operator Name COG OPERATING LLC			9 Elevation 2968'

10 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	28	25-S	28-E		240'	NORTH	2585'	WEST	EDDY

11 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
B	16	25-S	28-E		50'	NORTH	1485'	EAST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
640			

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.

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=617109.44 LAT.= 32.13722485° N
Y=413744.20 LONG.= 104.08853333° W
50' FNL, 1485' FEL - SECTION 16

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=617109.82 LAT.= 32.13708740° N
Y=413694.20 LONG.= 104.08853248° W
100' FNL, 1485' FEL - SECTION 16

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=617109.19 LAT.= 32.10823120° N
Y=403196.93 LONG.= 104.08861153° W
10' FSL, 1485' FEL - SECTION 21

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=615935.48 LAT.= 32.10750445° N
Y=402929.91 LONG.= 104.09240419° W
240' FNL, 2585' FWL - SECTION 28

17 OPERATOR CERTIFICATION
I hereby certify that the information contained 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 a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 1/26/21
Signature Date

Stan Wagner
Printed Name

E-mail Address

18 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.

Garrett J. Smelker
Date of Survey
Signature and Seal of Professional Surveyor

PROFESSIONAL SURVEYOR
NEW MEXICO
25036
12/19/19

Certificate Number

Intent ☒ As Drilled ☐

API # 30-015-		
Operator Name: COG Operating LLC	Property Name: Myox 21 State Com	Well Number 501H

Kick Off Point (KOP)

UL C	Section 10	Township 25S	Range 28E	Lot	Feet	From N/S	Feet	From E/W	County Eddy
Latitude					Longitude				NAD 83

First Take Point (FTP)

UL O	Section 21	Township 25S	Range 28E	Lot	Feet 10	From N/S South	Feet 1485	From E/W East	County Eddy
Latitude 32.10823120					Longitude -104.08861153				NAD 83

Last Take Point (LTP)

UL B	Section 16	Township 25S	Range 28E	Lot	Feet 100	From N/S North	Feet 1485	From E/W East	County Eddy
Latitude 32.13708740					Longitude -104.08853248				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ YesIs this well an infill well? ☐ No

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

API # 30-015-		
Operator Name: COG Operating LLC	Property Name: Myox 21 State Com	Well Number 501H

KZ 06/29/2018

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GAS CAPTURE PLAN

Date: 2/3/2021

☒ Original

Operator & OGRID No.: [229137] COG OPERATING LLC

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
MYOX 21 STATE COM #501H	30-015-47994	C-28-25S-28E	0240N 2585W	3000	None	Processing Plant Location: Sec 35, Blk 57 T2S, Culberson Co TX

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to ETC Texas Pipeline, Ltd. and will be connected to ETC Texas Pipeline, Ltd. Low Pressure gathering system located in Eddy County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. COG OPERATING LLC provides (periodically) to ETC Texas Pipeline, Ltd. a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG OPERATING LLC and ETC Texas Pipeline, Ltd. have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at ETC Texas Pipeline, Ltd. Processing Plant located in Sec. 28, Twn. 25S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on ETC Texas Pipeline, Ltd. system at that time. Based on current information, it is COG OPERATING LLC's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

Alternatives to Reduce Flaring

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
 - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
 - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
 - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines

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Form APD Comments

Permit 291649

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-47994
		Well: MYOX 21 STATE COM #501H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 291649

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-47994
	Well: MYOX 21 STATE COM #501H

OCD Reviewer	Condition
ksimmons	Notify OCD 24 hours prior to casing & cement
ksimmons	Will require a File As Drilled C-102 and a Directional Survey with the C-104
ksimmons	Cement is required to circulate on both surface and intermediate1 strings of casing
kpickford	Will require a administrative order for non-standard location prior to placing the well on production
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
kpickford	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
kpickford	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 21 STATE PROJECT (ATLAS 2528)

MYOX 21 ST COM #501H

OWB

PWP2

Anticollision Report

13 January, 2021

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 2,000.0 usft	Error Surface:	Pedal Curve
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program		Date	1/13/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	18,801.4	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						
MYOX 21 STATE PROJECT (ATLAS 2528)						
MYOX 21 ST COM #34H - OWB - AWP	2,287.7	2,291.1	974.5	962.5	81.150	CC
MYOX 21 ST COM #34H - OWB - AWP	2,300.0	2,300.0	974.5	962.4	80.851	ES
MYOX 21 ST COM #34H - OWB - AWP	2,700.0	2,683.1	993.9	980.4	73.972	SF
MYOX 21 ST COM #35H - OWB - AWP	5,994.9	6,082.9	879.7	851.9	31.689	CC
MYOX 21 ST COM #35H - OWB - AWP	6,000.0	6,086.6	879.7	851.9	31.662	ES
MYOX 21 ST COM #35H - OWB - AWP	7,750.0	7,801.4	955.1	919.1	26.557	SF
MYOX 21 ST COM #502H - OWB - PWP2	2,500.0	2,500.0	30.0	17.3	2.366	CC, ES, SF
MYOX 21 ST COM #503H - OWB - PWP2	2,500.0	2,500.0	60.0	47.3	4.733	CC, ES, SF
MYOX 21 ST COM #703H - OWB - AWP	8,088.3	8,014.4	729.8	693.9	20.303	CC, ES, SF
MYOX 28 STATE PROJECT (ATLAS 2528)						
MYOX 28 ST COM #4H - OWB - AWP	7,525.7	7,491.0	151.1	116.0	4.308	CC, ES
MYOX 28 ST COM #4H - OWB - AWP	7,566.7	7,529.7	151.4	116.1	4.292	SF
MYOX 28 ST COM #702H - OWB - AWP	8,287.4	7,994.9	687.9	652.5	19.382	CC, ES
MYOX 28 ST COM #702H - OWB - AWP	8,300.0	7,995.0	688.1	652.6	19.376	SF
MYOX 28 ST COM #703H - OWB - AWP	8,150.0	7,997.3	214.7	176.6	5.635	ES, SF
MYOX 28 ST COM #703H - OWB - AWP	8,150.9	7,997.5	214.7	176.6	5.636	CC
MYOX 30 & 31 STATE PROJECT (ATLAS 2528)						
MYOX 19 STATE #3H - OWB - ACTUAL WELLPATH	9,779.2	9,317.6	422.1	386.1	11.727	CC
MYOX 19 STATE #3H - OWB - ACTUAL WELLPATH	10,400.0	9,946.7	423.2	383.9	10.763	ES
MYOX 19 STATE #3H - OWB - ACTUAL WELLPATH	12,800.0	12,279.0	494.8	437.5	8.630	SF

Offset Design MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #34H - OWB - AWP													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8716-MWD+IFR1+MS													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Minimum Separation		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	2.9	2.9	3.0	3.0	-62.80	452.1	-879.7	989.1					
100.0	100.0	102.8	102.8	3.0	3.0	-62.77	452.6	-879.5	989.1	983.1	6.00	164.770		
200.0	200.0	217.0	216.9	3.0	3.0	-62.71	453.1	-878.3	988.3	982.3	6.04	163.606		
300.0	300.0	317.1	317.1	3.1	3.0	-62.66	453.2	-876.6	986.9	980.8	6.13	161.119		
400.0	400.0	413.0	413.0	3.2	3.0	-62.61	453.4	-875.2	985.7	979.4	6.25	157.683		
500.0	500.0	510.1	510.0	3.4	3.1	-62.55	453.9	-873.9	984.8	978.4	6.41	153.541		

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #34H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8716-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
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
562.3	562.3	565.2	565.2	3.5	3.1	-62.52	454.2	-873.4	984.5	978.0	6.53	150.787	
600.0	600.0	598.0	598.0	3.6	3.1	-62.50	454.6	-873.4	984.6	978.0	6.60	149.141	
700.0	700.0	690.4	690.3	3.8	3.1	-62.49	455.1	-873.9	985.4	978.6	6.81	144.759	
800.0	800.0	783.3	783.1	4.0	3.1	-62.65	453.5	-876.6	987.1	980.1	7.04	140.225	
900.0	900.0	884.0	883.8	4.2	3.1	-62.92	450.2	-880.5	989.1	981.8	7.29	135.585	
1,000.0	1,000.0	1,003.5	1,003.2	4.5	3.1	-63.11	447.8	-883.0	990.0	982.5	7.57	130.755	
1,100.0	1,100.0	1,113.5	1,113.1	4.8	3.1	-63.07	448.1	-882.0	989.4	981.5	7.87	125.783	
1,200.0	1,200.0	1,212.8	1,212.4	5.1	3.1	-62.99	448.8	-880.5	988.4	980.2	8.17	120.956	
1,300.0	1,300.0	1,313.4	1,313.1	5.3	3.2	-62.92	449.5	-879.1	987.4	978.9	8.49	116.310	
1,400.0	1,400.0	1,414.0	1,413.6	5.6	3.2	-62.84	450.2	-877.5	986.3	977.5	8.82	111.851	
1,500.0	1,500.0	1,515.0	1,514.6	6.0	3.3	-62.77	450.8	-875.8	985.1	975.9	9.16	107.579	
1,571.7	1,571.7	1,575.0	1,574.6	6.2	3.3	-62.73	451.1	-875.0	984.5	975.1	9.40	104.745	
1,600.0	1,600.0	1,600.0	1,599.6	6.3	3.3	-62.73	451.1	-875.1	984.5	975.0	9.49	103.735	
1,700.0	1,700.0	1,695.6	1,695.2	6.6	3.3	-62.76	451.0	-875.9	985.2	975.4	9.82	100.345	
1,800.0	1,800.0	1,816.3	1,815.9	6.9	3.3	-62.78	450.7	-876.0	985.2	975.1	10.17	96.884	
1,900.0	1,900.0	1,926.7	1,926.3	7.2	3.3	-62.77	449.8	-874.2	983.4	972.8	10.54	93.310	
2,000.0	2,000.0	2,028.2	2,027.8	7.6	3.4	-62.77	448.6	-871.8	980.7	969.8	10.91	89.863	
2,100.0	2,100.0	2,126.9	2,126.4	7.9	3.4	-62.82	446.7	-870.1	978.4	967.1	11.29	86.633	
2,200.0	2,200.0	2,229.4	2,228.9	8.2	3.5	-62.89	444.5	-868.1	975.6	964.0	11.68	83.531	
2,287.7	2,287.7	2,291.1	2,290.6	8.5	3.5	-62.89	444.1	-867.4	974.5	962.5	12.01	81.150 CC	
2,300.0	2,300.0	2,300.0	2,299.5	8.6	3.5	-62.88	444.2	-867.4	974.5	962.4	12.05	80.851 ES	
2,400.0	2,400.0	2,367.8	2,367.2	8.9	3.5	-62.91	444.4	-868.9	976.6	964.2	12.39	78.821	
2,500.0	2,500.0	2,464.7	2,464.1	9.2	3.5	-63.03	444.4	-873.2	980.6	967.9	12.74	76.984	
2,600.0	2,600.0	2,562.5	2,561.8	9.6	3.5	-153.13	444.5	-877.7	986.3	973.2	13.08	75.387	
2,700.0	2,699.8	2,683.1	2,682.3	9.9	3.6	-153.29	445.1	-881.4	993.9	980.4	13.44	73.972 SF	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #35H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8840-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	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	3.4	3.4	3.0	3.0	-61.97	452.4	-849.7	962.6				
100.0	100.0	100.0	100.0	3.0	3.0	-61.96	452.6	-849.8	962.9	956.9	6.00	160.398	
200.0	200.0	198.9	198.9	3.0	3.0	-61.95	452.9	-850.1	963.3	957.2	6.04	159.393	
300.0	300.0	295.8	295.8	3.1	3.0	-61.97	453.0	-850.9	964.0	957.9	6.13	157.269	
400.0	400.0	396.5	396.4	3.2	3.0	-61.99	453.1	-851.7	964.8	958.5	6.26	154.138	
500.0	500.0	495.8	495.8	3.4	3.0	-62.00	453.3	-852.5	965.6	959.1	6.43	150.198	
600.0	600.0	596.7	596.7	3.6	3.1	-62.02	453.3	-853.3	966.3	959.7	6.63	145.689	
700.0	700.0	699.5	699.4	3.8	3.1	-62.04	453.3	-854.1	967.0	960.1	6.87	140.829	
800.0	800.0	803.9	803.9	4.0	3.1	-62.08	452.8	-854.6	967.1	960.0	7.11	136.042	
900.0	900.0	905.9	905.9	4.2	3.1	-62.12	452.2	-854.8	967.0	959.7	7.36	131.321	
1,000.0	1,000.0	1,022.7	1,022.7	4.5	3.2	-62.16	450.9	-853.7	965.7	958.0	7.62	126.743	
1,100.0	1,100.0	1,121.5	1,121.4	4.8	3.2	-62.20	449.5	-852.4	963.8	955.9	7.89	122.129	
1,200.0	1,200.0	1,221.8	1,221.7	5.1	3.2	-62.23	448.1	-851.0	961.9	953.7	8.18	117.603	
1,300.0	1,300.0	1,323.1	1,323.0	5.3	3.2	-62.20	447.6	-849.0	960.0	951.5	8.48	113.186	
1,400.0	1,400.0	1,424.5	1,424.3	5.6	3.2	-62.16	447.2	-846.8	957.9	949.1	8.80	108.900	
1,500.0	1,500.0	1,525.6	1,525.5	6.0	3.2	-62.12	446.8	-844.5	955.7	946.6	9.12	104.765	
1,600.0	1,600.0	1,627.5	1,627.3	6.3	3.2	-62.07	446.4	-841.9	953.3	943.8	9.46	100.777	
1,700.0	1,700.0	1,730.8	1,730.6	6.6	3.2	-62.01	446.0	-839.1	950.7	940.9	9.81	96.956	
1,800.0	1,800.0	1,850.7	1,850.4	6.9	3.3	-61.90	445.4	-834.3	946.9	936.7	10.16	93.185	
1,900.0	1,900.0	1,945.8	1,945.4	7.2	3.3	-61.79	444.7	-829.2	941.9	931.3	10.52	89.493	
2,000.0	2,000.0	2,045.7	2,045.1	7.6	3.4	-61.74	443.5	-825.2	937.8	926.9	10.90	86.074	
2,100.0	2,100.0	2,144.5	2,143.9	7.9	3.4	-61.70	442.0	-821.0	933.3	922.0	11.27	82.789	
2,200.0	2,200.0	2,233.6	2,232.8	8.2	3.4	-61.67	440.9	-817.7	929.5	917.8	11.66	79.743	
2,300.0	2,300.0	2,310.0	2,309.3	8.6	3.5	-61.67	440.3	-816.7	927.9	915.9	12.04	77.092	
2,400.0	2,400.0	2,407.2	2,406.5	8.9	3.5	-61.70	439.6	-816.6	927.4	915.0	12.42	74.669	
2,500.0	2,500.0	2,507.4	2,506.6	9.2	3.6	-61.75	438.9	-816.7	927.1	914.3	12.80	72.415	
2,512.4	2,512.4	2,520.3	2,519.6	9.3	3.6	-151.76	438.7	-816.7	927.1	914.3	12.85	72.149	
2,600.0	2,600.0	2,607.8	2,607.0	9.6	3.7	-151.85	437.8	-816.8	928.3	915.2	13.18	70.449	
2,700.0	2,699.8	2,707.8	2,707.1	9.9	3.7	-152.03	436.7	-817.0	932.5	919.0	13.55	68.840	
2,775.0	2,774.6	2,782.6	2,781.9	10.1	3.8	-152.20	435.9	-817.1	937.7	923.9	13.83	67.823	
2,800.0	2,799.5	2,806.4	2,805.6	10.2	3.8	-152.28	435.6	-817.1	939.8	925.8	13.92	67.518	
2,900.0	2,899.0	2,900.5	2,899.7	10.5	3.8	-152.57	435.3	-817.4	948.4	934.1	14.27	66.451	
3,000.0	2,998.5	2,999.2	2,998.5	10.9	3.9	-152.85	435.1	-817.9	957.2	942.6	14.62	65.488	
3,100.0	3,098.1	3,119.4	3,118.7	11.2	3.9	-153.14	435.2	-817.3	965.5	950.5	14.99	64.405	
3,200.0	3,197.6	3,284.1	3,283.1	11.6	4.0	-153.37	434.3	-808.5	969.1	953.7	15.41	62.906	
3,300.0	3,297.2	3,420.1	3,418.2	11.9	4.1	-153.42	432.5	-793.6	967.2	951.4	15.80	61.206	
3,400.0	3,396.7	3,542.1	3,539.0	12.2	4.1	-153.42	429.6	-776.3	961.9	945.7	16.20	59.373	
3,500.0	3,496.2	3,644.8	3,640.4	12.6	4.2	-153.41	427.0	-760.9	955.9	939.2	16.61	57.533	
3,600.0	3,595.8	3,747.8	3,742.2	12.9	4.3	-153.39	424.4	-745.0	949.4	932.4	17.03	55.750	
3,700.0	3,695.3	3,849.4	3,842.5	13.3	4.4	-153.36	421.8	-729.0	942.8	925.3	17.45	54.027	
3,800.0	3,794.9	3,950.2	3,941.9	13.6	4.4	-153.32	419.3	-713.0	936.1	918.2	17.87	52.368	
3,900.0	3,894.4	4,046.8	4,037.3	14.0	4.5	-153.28	417.1	-697.7	929.4	911.1	18.30	50.773	
4,000.0	3,993.9	4,136.9	4,126.4	14.3	4.6	-153.24	415.0	-683.9	923.1	904.4	18.74	49.259	
4,100.0	4,093.5	4,230.1	4,218.6	14.6	4.7	-153.23	413.2	-670.8	918.3	899.1	19.18	47.883	
4,200.0	4,193.0	4,330.7	4,318.2	15.0	4.8	-153.21	411.2	-656.8	913.5	893.9	19.61	46.575	
4,300.0	4,292.6	4,419.3	4,405.9	15.3	4.8	-153.21	409.5	-644.8	909.1	889.0	20.06	45.326	
4,400.0	4,392.1	4,510.5	4,496.5	15.7	4.9	-153.25	407.6	-634.0	906.1	885.6	20.50	44.203	
4,500.0	4,491.6	4,606.2	4,591.6	16.0	5.0	-153.33	405.5	-623.4	903.8	882.8	20.94	43.156	
4,600.0	4,591.2	4,703.0	4,687.8	16.4	5.1	-153.44	403.2	-613.2	901.9	880.5	21.39	42.167	
4,700.0	4,690.7	4,798.0	4,782.3	16.7	5.2	-153.58	400.6	-603.8	900.4	878.5	21.83	41.235	
4,800.0	4,790.3	4,894.1	4,878.0	17.1	5.3	-153.74	398.0	-595.0	899.5	877.2	22.28	40.364	
4,900.0	4,889.8	4,990.2	4,973.7	17.5	5.4	-153.90	395.5	-586.5	899.0	876.2	22.73	39.544	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #35H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8840-MWD+IFR1+MS												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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,989.3	5,089.8	5,072.9	17.8	5.5	-154.06	393.2	-577.7	898.7	875.5	23.19	38.759	
5,100.0	5,088.9	5,203.4	5,185.9	18.2	5.6	-154.24	390.3	-567.4	898.0	874.4	23.64	37.984	
5,200.0	5,188.4	5,308.6	5,290.5	18.5	5.7	-154.39	387.2	-556.4	896.0	871.9	24.10	37.181	
5,300.0	5,288.0	5,418.9	5,400.1	18.9	5.8	-154.52	383.9	-543.6	892.9	868.4	24.55	36.365	
5,400.0	5,387.5	5,514.0	5,494.4	19.2	5.9	-154.64	380.9	-532.4	889.6	864.5	25.01	35.563	
5,500.0	5,487.0	5,613.1	5,592.9	19.6	6.0	-154.80	377.3	-521.5	886.7	861.2	25.47	34.808	
5,600.0	5,586.6	5,714.1	5,693.2	19.9	6.1	-155.00	373.4	-510.4	883.7	857.8	25.93	34.077	
5,700.0	5,686.1	5,806.7	5,785.1	20.3	6.2	-155.18	369.6	-500.3	880.9	854.5	26.40	33.372	
5,800.0	5,785.7	5,888.7	5,866.8	20.7	6.3	-155.38	366.7	-493.2	880.1	853.2	26.86	32.771	
5,900.0	5,885.2	5,990.3	5,967.9	21.0	6.4	-155.63	363.2	-484.9	880.0	852.6	27.32	32.210	
5,994.9	5,979.6	6,082.9	6,060.2	21.3	6.6	-155.86	359.8	-477.2	879.7	851.9	27.76	31.689 CC	
6,000.0	5,984.7	6,086.6	6,063.9	21.4	6.6	-155.87	359.7	-476.9	879.7	851.9	27.78	31.662 ES	
6,100.0	6,084.3	6,162.8	6,139.9	21.7	6.6	-156.07	357.3	-472.2	881.4	853.2	28.23	31.216	
6,200.0	6,183.8	6,265.7	6,242.6	22.1	6.8	-156.39	354.1	-466.9	884.2	855.5	28.70	30.806	
6,300.0	6,283.3	6,369.0	6,345.7	22.4	6.9	-156.72	350.2	-461.2	886.5	857.3	29.17	30.392	
6,400.0	6,382.9	6,461.3	6,437.8	22.8	7.0	-157.02	346.8	-456.1	888.8	859.2	29.63	29.998	
6,500.0	6,482.4	6,550.0	6,526.4	23.2	7.1	-157.24	345.1	-452.2	892.8	862.7	30.09	29.674	
6,600.0	6,582.0	6,643.9	6,620.1	23.5	7.2	-157.46	343.6	-448.6	897.5	866.9	30.55	29.378	
6,700.0	6,681.5	6,739.5	6,715.8	23.9	7.3	-157.65	342.7	-445.1	902.7	871.6	31.01	29.106	
6,800.0	6,781.0	6,840.6	6,816.8	24.2	7.4	-157.84	342.1	-441.7	908.1	876.7	31.48	28.845	
6,900.0	6,880.6	6,946.8	6,922.9	24.6	7.5	-158.02	341.4	-437.5	913.2	881.2	31.96	28.572	
7,000.0	6,980.1	7,046.9	7,022.9	25.0	7.6	-158.18	340.8	-433.1	917.8	885.3	32.43	28.299	
7,100.0	7,079.7	7,141.9	7,117.8	25.3	7.7	-158.34	340.1	-429.3	922.7	889.8	32.90	28.048	
7,200.0	7,179.2	7,236.2	7,212.1	25.7	7.8	-158.51	339.5	-426.0	928.1	894.7	33.36	27.818	
7,300.0	7,278.7	7,340.6	7,316.4	26.0	8.0	-158.71	338.6	-422.8	933.9	900.0	33.84	27.596	
7,400.0	7,378.3	7,446.6	7,422.2	26.4	8.1	-158.91	337.3	-416.3	937.7	903.3	34.34	27.303	
7,500.0	7,477.8	7,562.8	7,538.2	26.8	8.2	-159.09	335.4	-410.5	940.2	905.4	34.81	27.007	
7,566.7	7,544.2	7,631.5	7,606.7	27.0	8.3	-159.24	333.8	-406.6	942.1	907.0	35.13	26.817	
7,575.0	7,552.5	7,640.2	7,615.4	27.0	8.3	-151.24	333.6	-406.1	942.4	907.2	35.17	26.793	
7,600.0	7,577.3	7,665.8	7,641.0	27.1	8.3	-135.25	333.0	-404.6	943.3	908.0	35.29	26.727	
7,625.0	7,601.9	7,690.4	7,665.6	27.2	8.4	-126.50	332.3	-403.2	944.4	909.0	35.41	26.670	
7,650.0	7,626.3	7,712.8	7,687.9	27.3	8.4	-121.26	331.8	-401.9	945.8	910.2	35.52	26.623	
7,675.0	7,650.5	7,733.3	7,708.4	27.4	8.4	-117.84	331.2	-400.8	947.5	911.9	35.64	26.589	
7,700.0	7,674.3	7,753.3	7,728.4	27.5	8.4	-115.48	330.6	-399.8	949.7	914.0	35.74	26.569	
7,725.0	7,697.6	7,776.2	7,751.2	27.6	8.5	-113.84	330.0	-398.8	952.3	916.4	35.85	26.559	
7,750.0	7,720.5	7,801.4	7,776.4	27.6	8.5	-112.71	329.3	-397.6	955.1	919.1	35.96	26.557 SF	
7,775.0	7,742.8	7,827.9	7,802.9	27.7	8.5	-111.94	328.5	-396.2	958.3	922.2	36.07	26.564	
7,800.0	7,764.5	7,854.5	7,829.4	27.8	8.6	-111.42	327.8	-394.8	961.7	925.5	36.18	26.581	
7,825.0	7,785.5	7,881.9	7,856.7	27.9	8.6	-111.11	327.0	-393.1	965.5	929.2	36.29	26.608	
7,850.0	7,805.8	7,914.2	7,889.0	28.0	8.6	-111.12	326.1	-390.8	969.6	933.2	36.39	26.642	
7,875.0	7,825.4	7,945.3	7,919.9	28.0	8.7	-111.22	325.2	-388.2	973.8	937.3	36.49	26.686	
7,900.0	7,844.1	7,968.5	7,943.0	28.1	8.7	-111.12	324.5	-386.1	978.5	941.9	36.58	26.748	
7,925.0	7,861.9	7,988.1	7,962.5	28.2	8.7	-110.92	323.8	-384.3	983.7	947.1	36.67	26.830	
7,950.0	7,878.7	8,006.0	7,980.3	28.2	8.7	-110.68	323.2	-382.6	989.5	952.8	36.74	26.931	
7,975.0	7,894.6	8,023.0	7,997.2	28.3	8.8	-110.40	322.7	-381.0	995.9	959.1	36.81	27.052	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #502H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 7432-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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.52	-0.3	-30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.00	4.998	
200.0	200.0	200.0	200.0	3.0	3.0	-90.52	-0.3	-30.0	30.0	24.0	6.04	4.967	
300.0	300.0	300.0	300.0	3.1	3.0	-90.52	-0.3	-30.0	30.0	23.9	6.12	4.902	
400.0	400.0	400.0	400.0	3.2	3.0	-90.52	-0.3	-30.0	30.0	23.8	6.24	4.807	
500.0	500.0	500.0	500.0	3.4	3.1	-90.52	-0.3	-30.0	30.0	23.6	6.40	4.690	
600.0	600.0	600.0	600.0	3.6	3.1	-90.52	-0.3	-30.0	30.0	23.4	6.58	4.557	
700.0	700.0	700.0	700.0	3.8	3.1	-90.52	-0.3	-30.0	30.0	23.2	6.80	4.413	
800.0	800.0	800.0	800.0	4.0	3.2	-90.52	-0.3	-30.0	30.0	23.0	7.04	4.264	
900.0	900.0	900.0	900.0	4.2	3.2	-90.52	-0.3	-30.0	30.0	22.7	7.29	4.113	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	-90.52	-0.3	-30.0	30.0	22.4	7.57	3.964	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	-90.52	-0.3	-30.0	30.0	22.1	7.86	3.818	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	-90.52	-0.3	-30.0	30.0	21.8	8.16	3.678	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	-90.52	-0.3	-30.0	30.0	21.5	8.47	3.542	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	-90.52	-0.3	-30.0	30.0	21.2	8.79	3.413	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	-90.52	-0.3	-30.0	30.0	20.9	9.12	3.290	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	-90.52	-0.3	-30.0	30.0	20.5	9.45	3.174	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	-90.52	-0.3	-30.0	30.0	20.2	9.79	3.063	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	-90.52	-0.3	-30.0	30.0	19.9	10.14	2.959	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	-90.52	-0.3	-30.0	30.0	19.5	10.49	2.859	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	-90.52	-0.3	-30.0	30.0	19.2	10.85	2.766	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	-90.52	-0.3	-30.0	30.0	18.8	11.21	2.677	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	-90.52	-0.3	-30.0	30.0	18.4	11.57	2.593	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	-90.52	-0.3	-30.0	30.0	18.1	11.94	2.513	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	-90.52	-0.3	-30.0	30.0	17.7	12.31	2.438	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	-90.52	-0.3	-30.0	30.0	17.3	12.68	2.366 CC, ES, SF	
2,600.0	2,600.0	2,600.3	2,600.2	9.6	4.4	176.43	-1.9	-29.5	31.3	18.2	13.05	2.398	
2,700.0	2,699.8	2,700.3	2,700.1	9.9	4.4	168.72	-7.0	-27.9	35.6	22.1	13.45	2.646	
2,775.0	2,774.6	2,774.9	2,774.6	10.1	4.4	163.15	-11.9	-26.4	41.3	27.6	13.77	3.001	
2,800.0	2,799.5	2,799.8	2,799.4	10.2	4.4	161.77	-13.6	-25.9	43.6	29.7	13.87	3.144	
2,900.0	2,899.0	2,899.3	2,898.7	10.5	4.3	157.47	-20.2	-23.8	53.0	38.7	14.28	3.710	
3,000.0	2,998.5	2,998.8	2,997.9	10.9	4.3	154.46	-26.8	-21.7	62.5	47.9	14.67	4.262	
3,100.0	3,098.1	3,098.3	3,097.2	11.2	4.3	152.26	-33.5	-19.7	72.2	57.2	15.06	4.795	
3,200.0	3,197.6	3,197.8	3,196.4	11.6	4.3	150.58	-40.1	-17.6	82.0	66.6	15.45	5.309	
3,300.0	3,297.2	3,297.3	3,295.7	11.9	4.3	149.26	-46.7	-15.5	91.8	76.0	15.83	5.802	
3,400.0	3,396.7	3,396.8	3,394.9	12.2	4.3	148.19	-53.3	-13.5	101.7	85.5	16.21	6.275	
3,500.0	3,496.2	3,496.3	3,494.2	12.6	4.3	147.31	-60.0	-11.4	111.6	95.0	16.59	6.727	
3,600.0	3,595.8	3,595.8	3,593.4	12.9	4.3	146.58	-66.6	-9.4	121.5	104.5	16.97	7.161	
3,700.0	3,695.3	3,695.3	3,692.7	13.3	4.3	145.96	-73.2	-7.3	131.5	114.1	17.35	7.575	
3,800.0	3,794.9	3,794.8	3,792.0	13.6	4.3	145.42	-79.9	-5.2	141.4	123.7	17.74	7.973	
3,900.0	3,894.4	3,894.3	3,891.2	14.0	4.3	144.96	-86.5	-3.2	151.4	133.2	18.12	8.353	
4,000.0	3,993.9	3,993.8	3,990.5	14.3	4.3	144.55	-93.1	-1.1	161.3	142.8	18.51	8.717	
4,100.0	4,093.5	4,093.3	4,089.7	14.6	4.3	144.19	-99.7	1.0	171.3	152.4	18.90	9.065	
4,200.0	4,193.0	4,192.8	4,189.0	15.0	4.4	143.87	-106.4	3.0	181.3	162.0	19.29	9.400	
4,300.0	4,292.6	4,292.3	4,288.2	15.3	4.4	143.58	-113.0	5.1	191.3	171.6	19.68	9.720	
4,400.0	4,392.1	4,391.8	4,387.5	15.7	4.4	143.32	-119.6	7.1	201.3	181.2	20.07	10.027	
4,500.0	4,491.6	4,491.3	4,486.7	16.0	4.5	143.09	-126.2	9.2	211.2	190.8	20.47	10.321	
4,600.0	4,591.2	4,590.7	4,586.0	16.4	4.5	142.88	-132.9	11.3	221.2	200.4	20.87	10.604	
4,700.0	4,690.7	4,690.2	4,685.2	16.7	4.6	142.68	-139.5	13.3	231.2	210.0	21.26	10.875	
4,800.0	4,790.3	4,789.7	4,784.5	17.1	4.6	142.50	-146.1	15.4	241.2	219.6	21.67	11.135	
4,900.0	4,889.8	4,889.2	4,883.7	17.5	4.7	142.34	-152.7	17.5	251.3	229.2	22.07	11.385	
5,000.0	4,989.3	4,988.7	4,983.0	17.8	4.7	142.19	-159.4	19.5	261.3	238.8	22.47	11.625	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #502H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 7432-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	
5,100.0	5,088.9	5,088.2	5,082.2	18.2	4.8	142.05	-166.0	21.6	271.3	248.4	22.88	11.856	
5,200.0	5,188.4	5,187.7	5,181.5	18.5	4.8	141.92	-172.6	23.7	281.3	258.0	23.29	12.078	
5,300.0	5,288.0	5,287.2	5,280.8	18.9	4.9	141.79	-179.3	25.7	291.3	267.6	23.70	12.291	
5,400.0	5,387.5	5,386.7	5,380.0	19.2	5.0	141.68	-185.9	27.8	301.3	277.2	24.11	12.497	
5,500.0	5,487.0	5,486.2	5,479.3	19.6	5.0	141.57	-192.5	29.8	311.3	286.8	24.52	12.695	
5,600.0	5,586.6	5,585.7	5,578.5	19.9	5.1	141.47	-199.1	31.9	321.3	296.4	24.94	12.885	
5,700.0	5,686.1	5,685.2	5,677.8	20.3	5.2	141.38	-205.8	34.0	331.3	306.0	25.35	13.068	
5,800.0	5,785.7	5,784.7	5,777.0	20.7	5.3	141.29	-212.4	36.0	341.4	315.6	25.77	13.245	
5,900.0	5,885.2	5,884.2	5,876.3	21.0	5.3	141.21	-219.0	38.1	351.4	325.2	26.19	13.416	
6,000.0	5,984.7	5,983.7	5,975.5	21.4	5.4	141.13	-225.6	40.2	361.4	334.8	26.61	13.580	
6,100.0	6,084.3	6,083.2	6,074.8	21.7	5.5	141.06	-232.3	42.2	371.4	344.4	27.03	13.739	
6,200.0	6,183.8	6,182.7	6,174.0	22.1	5.6	140.99	-238.9	44.3	381.4	354.0	27.46	13.892	
6,300.0	6,283.3	6,283.1	6,274.3	22.4	5.6	140.93	-245.5	46.3	391.4	363.5	27.88	14.037	
6,400.0	6,382.9	6,388.0	6,379.0	22.8	5.7	141.21	-250.0	47.7	400.5	372.2	28.32	14.141	
6,500.0	6,482.4	6,491.4	6,482.4	23.2	5.8	141.95	-251.0	48.0	408.4	379.6	28.75	14.204	
6,600.0	6,582.0	6,591.0	6,582.0	23.5	5.8	142.77	-251.0	48.0	416.0	386.8	29.17	14.260	
6,700.0	6,681.5	6,690.5	6,681.5	23.9	5.9	143.55	-251.0	48.0	423.7	394.1	29.59	14.317	
6,800.0	6,781.0	6,790.1	6,781.0	24.2	5.9	144.30	-251.0	48.0	431.4	401.4	30.02	14.374	
6,900.0	6,880.6	6,889.6	6,880.6	24.6	6.0	145.03	-251.0	48.0	439.3	408.8	30.44	14.431	
7,000.0	6,980.1	6,989.1	6,980.1	25.0	6.0	145.74	-251.0	48.0	447.2	416.3	30.86	14.489	
7,100.0	7,079.7	7,088.7	7,079.7	25.3	6.1	146.41	-251.0	48.0	455.1	423.8	31.29	14.547	
7,200.0	7,179.2	7,188.2	7,179.2	25.7	6.1	147.07	-251.0	48.0	463.2	431.4	31.71	14.605	
7,300.0	7,278.7	7,287.8	7,278.7	26.0	6.2	147.70	-251.0	48.0	471.2	439.1	32.14	14.663	
7,400.0	7,378.3	7,387.3	7,378.3	26.4	6.3	148.31	-251.0	48.0	479.4	446.8	32.57	14.720	
7,500.0	7,477.8	7,486.8	7,477.8	26.8	6.3	148.90	-251.0	48.0	487.6	454.6	32.97	14.787	
7,566.7	7,544.2	7,580.7	7,571.6	27.0	6.3	149.74	-248.0	48.0	492.3	459.0	33.30	14.785	
7,575.0	7,552.5	7,597.7	7,588.4	27.0	6.3	158.05	-245.8	48.0	492.6	459.2	33.35	14.769	
7,600.0	7,577.3	7,647.7	7,637.4	27.1	6.4	175.26	-235.9	47.9	493.2	459.7	33.50	14.720	
7,625.0	7,601.9	7,695.9	7,683.4	27.2	6.4	-174.43	-221.6	47.8	493.7	460.1	33.65	14.674	
7,650.0	7,626.3	7,742.2	7,726.0	27.3	6.4	-167.37	-203.5	47.7	494.4	460.6	33.79	14.634	
7,675.0	7,650.5	7,786.2	7,764.7	27.4	6.5	-161.93	-182.6	47.5	495.3	461.4	33.92	14.602	
7,700.0	7,674.3	7,827.9	7,799.4	27.5	6.5	-157.40	-159.6	47.4	496.5	462.5	34.05	14.581	
7,725.0	7,697.6	7,867.3	7,830.3	27.6	6.6	-153.41	-135.1	47.2	498.2	464.0	34.19	14.573	
7,750.0	7,720.5	7,904.5	7,857.5	27.6	6.6	-149.78	-109.7	47.0	500.5	466.2	34.33	14.580	
7,775.0	7,742.8	7,939.6	7,881.3	27.7	6.7	-146.39	-83.9	46.8	503.4	469.0	34.47	14.605	
7,800.0	7,764.5	7,972.8	7,902.0	27.8	6.7	-143.18	-57.9	46.6	507.1	472.5	34.61	14.651	
7,825.0	7,785.5	8,004.2	7,919.9	27.9	6.8	-140.09	-32.1	46.4	511.5	476.8	34.76	14.717	
7,850.0	7,805.8	8,034.1	7,935.2	28.0	6.9	-137.10	-6.6	46.3	516.8	481.9	34.90	14.807	
7,875.0	7,825.4	8,062.4	7,948.3	28.0	6.9	-134.18	18.6	46.1	522.9	487.8	35.04	14.921	
7,900.0	7,844.1	8,089.5	7,959.4	28.1	7.0	-131.30	43.3	45.9	529.8	494.6	35.18	15.059	
7,925.0	7,861.9	8,115.4	7,968.7	28.2	7.0	-128.45	67.5	45.7	537.5	502.2	35.31	15.220	
7,950.0	7,878.7	8,140.4	7,976.4	28.2	7.1	-125.61	91.2	45.5	546.0	510.5	35.44	15.404	
7,975.0	7,894.6	8,164.4	7,982.6	28.3	7.2	-122.78	114.4	45.4	555.2	519.6	35.57	15.609	
8,000.0	7,909.5	8,187.6	7,987.5	28.3	7.3	-119.95	137.1	45.2	565.1	529.4	35.69	15.835	
8,025.0	7,923.2	8,210.1	7,991.2	28.4	7.3	-117.11	159.3	45.0	575.7	539.9	35.80	16.078	
8,050.0	7,935.9	8,232.1	7,993.8	28.4	7.4	-114.27	181.1	44.9	586.8	550.9	35.92	16.338	
8,075.0	7,947.5	8,253.5	7,995.4	28.5	7.5	-111.43	202.4	44.7	598.5	562.4	36.02	16.613	
8,100.0	7,957.8	8,274.4	7,996.0	28.5	7.6	-108.58	223.4	44.6	610.6	574.5	36.13	16.900	
8,125.0	7,967.0	8,293.8	7,996.0	28.6	7.7	-105.84	242.7	44.4	623.1	586.9	36.23	17.200	
8,150.0	7,975.0	8,313.5	7,996.1	28.6	7.8	-103.16	262.5	44.3	636.0	599.6	36.34	17.503	
8,175.0	7,981.7	8,333.6	7,996.2	28.7	7.9	-100.56	282.5	44.1	649.1	612.7	36.45	17.810	
8,200.0	7,987.1	8,354.0	7,996.3	28.7	7.9	-98.07	303.0	44.0	662.4	625.9	36.56	18.118	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #502H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 7432-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						
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
8,225.0	7,991.3	8,374.7	7,996.4	28.8	8.0	-95.71	323.6	43.8	675.8	639.1	36.68	18.427	
8,250.0	7,994.1	8,395.6	7,996.5	28.8	8.1	-93.49	344.5	43.7	689.3	652.5	36.79	18.733	
8,275.0	7,995.7	8,416.6	7,996.6	28.9	8.2	-91.42	365.6	43.5	702.7	665.8	36.92	19.032	
8,290.2	7,996.0	8,429.4	7,996.7	28.9	8.3	-90.24	378.4	43.4	710.8	673.8	37.00	19.211	
8,300.0	7,996.1	8,437.7	7,996.7	28.9	8.4	-90.24	386.7	43.4	716.0	679.0	37.05	19.325	
8,400.0	7,996.5	8,523.4	7,997.1	29.1	8.8	-90.21	472.3	42.8	767.7	730.1	37.61	20.409	
8,500.0	7,997.0	8,610.7	7,997.5	29.2	9.3	-90.19	559.7	42.1	816.3	778.0	38.24	21.344	
8,600.0	7,997.5	8,699.8	7,998.0	29.5	9.9	-90.17	648.7	41.5	861.8	822.9	38.94	22.134	
8,700.0	7,998.0	8,790.3	7,998.4	29.7	10.5	-90.15	739.3	40.8	904.2	864.5	39.69	22.782	
8,800.0	7,998.5	8,882.3	7,998.8	29.9	11.1	-90.14	831.2	40.1	943.4	902.9	40.50	23.295	
8,900.0	7,999.0	8,975.6	7,999.3	30.2	11.8	-90.12	924.5	39.5	979.4	938.1	41.36	23.681	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #503H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 7461-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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.52	-0.5	-60.0	60.0				
100.0	100.0	100.0	100.0	3.0	3.0	-90.52	-0.5	-60.0	60.0	54.0	6.00	9.996	
200.0	200.0	200.0	200.0	3.0	3.0	-90.52	-0.5	-60.0	60.0	54.0	6.04	9.934	
300.0	300.0	300.0	300.0	3.1	3.0	-90.52	-0.5	-60.0	60.0	53.9	6.12	9.803	
400.0	400.0	400.0	400.0	3.2	3.0	-90.52	-0.5	-60.0	60.0	53.8	6.24	9.615	
500.0	500.0	500.0	500.0	3.4	3.1	-90.52	-0.5	-60.0	60.0	53.6	6.40	9.381	
600.0	600.0	600.0	600.0	3.6	3.1	-90.52	-0.5	-60.0	60.0	53.4	6.58	9.114	
700.0	700.0	700.0	700.0	3.8	3.1	-90.52	-0.5	-60.0	60.0	53.2	6.80	8.826	
800.0	800.0	800.0	800.0	4.0	3.2	-90.52	-0.5	-60.0	60.0	53.0	7.04	8.528	
900.0	900.0	900.0	900.0	4.2	3.2	-90.52	-0.5	-60.0	60.0	52.7	7.29	8.226	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	-90.52	-0.5	-60.0	60.0	52.4	7.57	7.928	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	-90.52	-0.5	-60.0	60.0	52.1	7.86	7.637	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	-90.52	-0.5	-60.0	60.0	51.8	8.16	7.355	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	-90.52	-0.5	-60.0	60.0	51.5	8.47	7.085	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	-90.52	-0.5	-60.0	60.0	51.2	8.79	6.826	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	-90.52	-0.5	-60.0	60.0	50.9	9.12	6.581	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	-90.52	-0.5	-60.0	60.0	50.5	9.45	6.348	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	-90.52	-0.5	-60.0	60.0	50.2	9.79	6.126	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	-90.52	-0.5	-60.0	60.0	49.9	10.14	5.917	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	-90.52	-0.5	-60.0	60.0	49.5	10.49	5.719	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	-90.52	-0.5	-60.0	60.0	49.2	10.85	5.531	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	-90.52	-0.5	-60.0	60.0	48.8	11.21	5.354	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	-90.52	-0.5	-60.0	60.0	48.4	11.57	5.186	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	-90.52	-0.5	-60.0	60.0	48.1	11.94	5.027	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	-90.52	-0.5	-60.0	60.0	47.7	12.31	4.876	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	-90.52	-0.5	-60.0	60.0	47.3	12.68	4.733 CC, ES, SF	
2,600.0	2,600.0	2,597.8	2,597.8	9.6	4.5	179.51	-0.5	-61.7	63.5	50.4	13.04	4.867	
2,700.0	2,699.8	2,695.0	2,694.8	9.9	4.5	179.58	-0.5	-66.6	73.8	60.4	13.39	5.512	
2,775.0	2,774.6	2,767.0	2,766.6	10.1	4.5	179.63	-0.5	-72.4	86.0	72.4	13.64	6.304	
2,800.0	2,799.5	2,791.3	2,790.8	10.2	4.5	179.65	-0.5	-74.7	90.8	77.0	13.73	6.609	
2,900.0	2,899.0	2,889.4	2,888.5	10.5	4.6	179.71	-0.5	-84.2	109.8	95.7	14.10	7.789	
3,000.0	2,998.5	2,987.6	2,986.2	10.9	4.6	179.76	-0.5	-93.6	128.9	114.4	14.48	8.906	
3,100.0	3,098.1	3,085.7	3,083.9	11.2	4.6	179.79	-0.5	-103.0	148.0	133.1	14.86	9.962	
3,200.0	3,197.6	3,183.9	3,181.6	11.6	4.7	179.81	-0.5	-112.4	167.1	151.8	15.24	10.962	
3,300.0	3,297.2	3,282.1	3,279.3	11.9	4.7	179.83	-0.5	-121.8	186.2	170.5	15.63	11.908	
3,400.0	3,396.7	3,380.2	3,377.0	12.2	4.8	179.85	-0.5	-131.2	205.2	189.2	16.03	12.804	
3,500.0	3,496.2	3,478.4	3,474.7	12.6	4.8	179.86	-0.5	-140.6	224.3	207.9	16.43	13.654	
3,600.0	3,595.8	3,576.6	3,572.5	12.9	4.9	179.87	-0.5	-150.0	243.4	226.6	16.83	14.459	
3,700.0	3,695.3	3,674.7	3,670.2	13.3	5.0	179.88	-0.5	-159.4	262.5	245.2	17.24	15.223	
3,800.0	3,794.9	3,772.9	3,767.9	13.6	5.0	179.89	-0.5	-168.8	281.6	263.9	17.65	15.948	
3,900.0	3,894.4	3,871.1	3,865.6	14.0	5.1	179.90	-0.5	-178.2	300.6	282.6	18.07	16.637	
4,000.0	3,993.9	3,969.2	3,963.3	14.3	5.2	179.90	-0.5	-187.6	319.7	301.2	18.49	17.292	
4,100.0	4,093.5	4,067.4	4,061.0	14.6	5.2	179.91	-0.5	-197.1	338.8	319.9	18.91	17.914	
4,200.0	4,193.0	4,165.5	4,158.7	15.0	5.3	179.91	-0.5	-206.5	357.9	338.5	19.34	18.507	
4,300.0	4,292.6	4,263.7	4,256.4	15.3	5.4	179.92	-0.5	-215.9	377.0	357.2	19.77	19.071	
4,400.0	4,392.1	4,361.9	4,354.1	15.7	5.5	179.92	-0.5	-225.3	396.0	375.8	20.20	19.609	
4,500.0	4,491.6	4,460.0	4,451.8	16.0	5.6	179.92	-0.5	-234.7	415.1	394.5	20.63	20.122	
4,600.0	4,591.2	4,558.2	4,549.6	16.4	5.6	179.93	-0.5	-244.1	434.2	413.1	21.07	20.612	
4,700.0	4,690.7	4,656.4	4,647.3	16.7	5.7	179.93	-0.5	-253.5	453.3	431.8	21.50	21.080	
4,800.0	4,790.3	4,754.5	4,745.0	17.1	5.8	179.93	-0.5	-262.9	472.4	450.4	21.94	21.527	
4,900.0	4,889.8	4,852.7	4,842.7	17.5	5.9	179.94	-0.5	-272.3	491.4	469.1	22.39	21.954	
5,000.0	4,989.3	4,950.8	4,940.4	17.8	6.0	179.94	-0.5	-281.7	510.5	487.7	22.83	22.363	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #503H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-Standard Keeper 104, 7461-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
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
5,100.0	5,088.9	5,049.0	5,038.1	18.2	6.1	179.94	-0.5	-291.1	529.6	506.3	23.27	22.755	
5,200.0	5,188.4	5,147.2	5,135.8	18.5	6.2	179.94	-0.5	-300.6	548.7	525.0	23.72	23.131	
5,300.0	5,288.0	5,245.3	5,233.5	18.9	6.3	179.94	-0.5	-310.0	567.8	543.6	24.17	23.491	
5,400.0	5,387.5	5,343.5	5,331.2	19.2	6.4	179.95	-0.5	-319.4	586.9	562.2	24.62	23.836	
5,500.0	5,487.0	5,441.7	5,429.0	19.6	6.4	179.95	-0.5	-328.8	605.9	580.9	25.07	24.168	
5,600.0	5,586.6	5,539.8	5,526.7	19.9	6.5	179.95	-0.5	-338.2	625.0	599.5	25.52	24.486	
5,700.0	5,686.1	5,638.0	5,624.4	20.3	6.6	179.95	-0.5	-347.6	644.1	618.1	25.98	24.793	
5,800.0	5,785.7	5,736.1	5,722.1	20.7	6.7	179.95	-0.5	-357.0	663.2	636.7	26.43	25.087	
5,900.0	5,885.2	5,834.3	5,819.8	21.0	6.8	179.95	-0.5	-366.4	682.3	655.4	26.89	25.371	
6,000.0	5,984.7	5,932.5	5,917.5	21.4	6.9	179.96	-0.5	-375.8	701.3	674.0	27.35	25.644	
6,100.0	6,084.3	6,030.6	6,015.2	21.7	7.0	179.96	-0.5	-385.2	720.4	692.6	27.81	25.907	
6,200.0	6,183.8	6,128.8	6,112.9	22.1	7.1	179.96	-0.5	-394.6	739.5	711.2	28.27	26.161	
6,300.0	6,283.3	6,227.0	6,210.6	22.4	7.3	179.96	-0.5	-404.0	758.6	729.9	28.73	26.405	
6,400.0	6,382.9	6,325.1	6,308.4	22.8	7.4	179.96	-0.5	-413.5	777.7	748.5	29.19	26.641	
6,500.0	6,482.4	6,423.3	6,406.1	23.2	7.5	179.96	-0.5	-422.9	796.7	767.1	29.65	26.869	
6,600.0	6,582.0	6,521.4	6,503.8	23.5	7.6	179.96	-0.5	-432.3	815.8	785.7	30.12	27.090	
6,700.0	6,681.5	6,619.6	6,601.5	23.9	7.7	179.96	-0.5	-441.7	834.9	804.3	30.58	27.302	
6,800.0	6,781.0	6,717.8	6,699.2	24.2	7.8	179.96	-0.5	-451.1	854.0	822.9	31.04	27.508	
6,900.0	6,880.6	6,815.9	6,796.9	24.6	7.9	179.96	-0.5	-460.5	873.1	841.6	31.51	27.707	
7,000.0	6,980.1	6,914.1	6,894.6	25.0	8.0	179.96	-0.5	-469.9	892.1	860.2	31.98	27.900	
7,100.0	7,079.7	7,012.3	6,992.3	25.3	8.1	179.97	-0.5	-479.3	911.2	878.8	32.44	28.086	
7,200.0	7,179.2	7,110.4	7,090.0	25.7	8.2	179.97	-0.5	-488.7	930.3	897.4	32.91	28.267	
7,300.0	7,278.7	7,208.6	7,187.8	26.0	8.3	179.97	-0.5	-498.1	949.4	916.0	33.38	28.442	
7,400.0	7,378.3	7,306.7	7,285.5	26.4	8.4	179.97	-0.5	-507.5	968.5	934.6	33.85	28.612	
7,500.0	7,477.8	7,404.9	7,383.2	26.8	8.6	179.97	-0.5	-516.9	987.6	953.2	34.32	28.779	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #703H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8794-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,400.0	6,382.9	6,462.3	6,444.7	22.8	8.3	12.12	-205.5	1,328.7	992.5	962.8	29.67	33.452	
6,500.0	6,482.4	6,550.0	6,532.2	23.2	8.4	12.24	-204.4	1,322.8	976.2	946.1	30.14	32.393	
6,600.0	6,582.0	6,647.2	6,629.3	23.5	8.5	12.37	-203.4	1,317.3	961.2	930.6	30.60	31.414	
6,700.0	6,681.5	6,750.0	6,731.8	23.9	8.6	12.54	-202.5	1,310.3	945.0	914.0	31.05	30.436	
6,800.0	6,781.0	6,855.5	6,837.1	24.2	8.7	12.70	-201.4	1,303.1	928.8	897.3	31.50	29.487	
6,900.0	6,880.6	6,948.0	6,929.3	24.6	8.8	12.85	-200.3	1,296.5	912.3	880.4	31.97	28.540	
7,000.0	6,980.1	7,039.8	7,021.0	25.0	8.9	13.01	-199.5	1,290.6	896.6	864.2	32.44	27.644	
7,100.0	7,079.7	7,130.1	7,111.2	25.3	9.0	13.20	-199.2	1,285.5	881.8	848.9	32.91	26.797	
7,200.0	7,179.2	7,220.7	7,201.6	25.7	9.1	13.42	-199.7	1,281.2	867.9	834.5	33.37	26.008	
7,300.0	7,278.7	7,318.5	7,299.3	26.0	9.2	13.77	-201.6	1,276.7	854.6	820.8	33.81	25.275	
7,400.0	7,378.3	7,411.6	7,392.3	26.4	9.3	14.14	-204.0	1,272.6	841.6	807.4	34.26	24.569	
7,500.0	7,477.8	7,502.6	7,483.2	26.8	9.4	14.49	-206.2	1,269.6	829.8	795.1	34.70	23.915	
7,566.7	7,544.2	7,566.7	7,547.2	27.0	9.5	14.73	-207.7	1,267.9	822.3	787.3	34.98	23.506	
7,575.0	7,552.5	7,575.5	7,556.0	27.0	9.5	22.87	-207.9	1,267.7	821.3	786.3	35.02	23.456	
7,600.0	7,577.3	7,618.1	7,598.6	27.1	9.6	39.55	-208.5	1,266.1	817.9	782.8	35.10	23.305	
7,625.0	7,601.9	7,648.0	7,628.5	27.2	9.6	49.15	-208.9	1,264.6	813.8	778.6	35.19	23.125	
7,650.0	7,626.3	7,671.5	7,651.9	27.3	9.6	55.33	-209.2	1,263.3	809.3	774.0	35.29	22.932	
7,675.0	7,650.5	7,696.7	7,677.1	27.4	9.7	59.85	-209.6	1,262.0	804.5	769.1	35.38	22.739	
7,700.0	7,674.3	7,721.9	7,702.2	27.5	9.7	63.46	-209.9	1,260.5	799.4	763.9	35.46	22.542	
7,725.0	7,697.6	7,746.5	7,726.8	27.6	9.7	66.54	-210.2	1,259.1	794.1	758.5	35.54	22.343	
7,750.0	7,720.5	7,780.4	7,760.6	27.6	9.8	69.60	-210.3	1,257.0	788.5	752.9	35.59	22.152	
7,775.0	7,742.8	7,815.3	7,795.4	27.7	9.8	72.59	-210.1	1,254.2	782.3	746.6	35.63	21.954	
7,800.0	7,764.5	7,837.4	7,817.4	27.8	9.8	75.06	-210.0	1,252.2	776.0	740.3	35.69	21.742	
7,825.0	7,785.5	7,858.2	7,838.1	27.9	9.8	77.40	-209.8	1,250.4	769.8	734.0	35.74	21.536	
7,850.0	7,805.8	7,878.0	7,857.9	28.0	9.9	79.64	-209.6	1,248.7	763.7	727.9	35.79	21.339	
7,875.0	7,825.4	7,896.6	7,876.4	28.0	9.9	81.77	-209.4	1,247.1	757.8	722.0	35.83	21.152	
7,900.0	7,844.1	7,913.4	7,893.1	28.1	9.9	83.75	-209.2	1,245.6	752.3	716.5	35.86	20.977	
7,925.0	7,861.9	7,929.3	7,909.0	28.2	9.9	85.62	-208.9	1,244.3	747.2	711.4	35.89	20.819	
7,950.0	7,878.7	7,944.8	7,924.5	28.2	9.9	87.39	-208.7	1,243.0	742.7	706.7	35.91	20.678	
7,975.0	7,894.6	7,959.2	7,938.7	28.3	9.9	89.02	-208.5	1,241.9	738.7	702.7	35.93	20.558	
8,000.0	7,909.5	7,972.4	7,952.0	28.3	10.0	90.51	-208.3	1,240.9	735.3	699.4	35.94	20.458	
8,025.0	7,923.2	7,985.6	7,965.1	28.4	10.0	91.89	-208.1	1,239.8	732.7	696.8	35.95	20.383	
8,050.0	7,935.9	7,997.9	7,977.3	28.4	10.0	93.12	-207.8	1,238.9	730.9	695.0	35.95	20.332	
8,075.0	7,947.5	8,009.0	7,988.4	28.5	10.0	94.16	-207.6	1,238.0	730.0	694.0	35.95	20.306	
8,088.3	7,953.1	8,014.4	7,993.8	28.5	10.0	94.63	-207.5	1,237.6	729.8	693.9	35.95	20.303 CC, ES, SF	
8,100.0	7,957.8	8,018.8	7,998.2	28.5	10.0	95.00	-207.5	1,237.3	729.9	694.0	35.95	20.306	
8,125.0	7,967.0	8,027.2	8,006.5	28.6	10.0	95.61	-207.3	1,236.6	730.9	694.9	35.94	20.334	
8,150.0	7,975.0	8,033.7	8,013.0	28.6	10.0	95.95	-207.2	1,236.1	732.8	696.9	35.94	20.389	
8,175.0	7,981.7	8,039.1	8,018.4	28.7	10.0	96.08	-207.1	1,235.7	735.8	699.9	35.94	20.473	
8,200.0	7,987.1	8,043.4	8,022.7	28.7	10.0	95.99	-207.0	1,235.4	739.8	703.9	35.94	20.585	
8,225.0	7,991.3	8,046.6	8,025.9	28.8	10.0	95.67	-206.9	1,235.2	744.9	709.0	35.94	20.725	
8,250.0	7,994.1	8,048.7	8,028.0	28.8	10.0	95.12	-206.9	1,235.0	751.0	715.0	35.94	20.893	
8,275.0	7,995.7	8,050.0	8,029.3	28.9	10.0	94.37	-206.9	1,234.9	758.0	722.1	35.95	21.087	
8,290.2	7,996.0	8,050.0	8,029.3	28.9	10.0	93.77	-206.9	1,234.9	762.8	726.8	35.95	21.217	
8,300.0	7,996.1	8,050.0	8,029.3	28.9	10.0	93.78	-206.9	1,234.9	766.1	730.1	35.96	21.305	
8,400.0	7,996.5	8,047.9	8,027.2	29.1	10.0	93.68	-206.9	1,235.1	807.0	771.0	36.05	22.387	
8,500.0	7,997.0	8,046.6	8,025.9	29.2	10.0	93.66	-206.9	1,235.2	860.6	824.4	36.21	23.767	
8,600.0	7,997.5	8,045.5	8,024.8	29.5	10.0	93.69	-207.0	1,235.2	924.6	888.2	36.40	25.397	
8,700.0	7,998.0	8,044.6	8,023.9	29.7	10.0	93.76	-207.0	1,235.3	996.9	960.3	36.60	27.237	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #4H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 6563-MWD												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	0.0	0.0	3.0	3.0	99.86	-83.3	479.1	486.6				
100.0	100.0	85.6	85.6	3.0	3.0	99.89	-83.5	478.9	486.1	480.1	6.00	80.985	
200.0	200.0	186.1	186.1	3.0	3.0	99.93	-83.7	478.4	485.7	479.6	6.04	80.371	
300.0	300.0	296.8	296.8	3.1	3.0	99.93	-83.5	476.8	484.2	478.1	6.13	78.972	
400.0	400.0	398.5	398.5	3.2	3.0	99.91	-82.8	473.8	481.2	475.0	6.27	76.799	
500.0	500.0	498.8	498.7	3.4	3.1	99.89	-82.1	470.8	478.1	471.7	6.44	74.202	
600.0	600.0	599.0	598.8	3.6	3.1	99.93	-81.9	467.6	474.9	468.3	6.66	71.329	
700.0	700.0	700.3	700.1	3.8	3.1	99.95	-81.5	464.2	471.6	464.7	6.91	68.281	
800.0	800.0	801.0	800.7	4.0	3.2	99.94	-80.7	460.7	468.0	460.8	7.18	65.151	
900.0	900.0	901.1	900.7	4.2	3.3	99.90	-79.8	457.1	464.3	456.9	7.49	62.036	
1,000.0	1,000.0	1,001.3	1,000.9	4.5	3.3	99.92	-79.3	453.4	460.6	452.8	7.81	58.990	
1,100.0	1,100.0	1,100.4	1,099.9	4.8	3.4	100.00	-79.3	449.7	457.0	448.8	8.15	56.073	
1,200.0	1,200.0	1,200.0	1,199.4	5.1	3.5	100.12	-79.6	446.0	453.3	444.8	8.51	53.296	
1,300.0	1,300.0	1,295.4	1,294.8	5.3	3.5	100.24	-80.0	442.9	450.2	441.4	8.87	50.745	
1,400.0	1,400.0	1,396.9	1,396.3	5.6	3.6	100.38	-80.6	440.1	447.6	438.4	9.25	48.378	
1,500.0	1,500.0	1,499.0	1,498.3	6.0	3.7	100.57	-81.5	436.8	444.5	434.9	9.64	46.106	
1,600.0	1,600.0	1,596.7	1,595.9	6.3	3.8	100.81	-82.8	433.5	441.5	431.5	10.03	44.003	
1,700.0	1,700.0	1,691.0	1,690.1	6.6	3.9	101.08	-84.5	431.1	439.3	428.9	10.42	42.172	
1,800.0	1,800.0	1,784.7	1,783.8	6.9	3.9	101.36	-86.4	430.0	438.6	427.8	10.77	40.704	
1,803.7	1,803.7	1,788.2	1,787.3	6.9	3.9	101.37	-86.5	429.9	438.6	427.8	10.79	40.654	
1,900.0	1,900.0	1,879.1	1,878.3	7.2	3.9	101.55	-87.9	430.2	439.2	428.1	11.09	39.597	
2,000.0	2,000.0	1,972.8	1,971.9	7.6	3.9	101.67	-89.2	431.8	441.1	429.7	11.38	38.754	
2,100.0	2,100.0	2,065.1	2,064.2	7.9	3.9	101.82	-91.0	434.7	444.5	432.9	11.67	38.101	
2,200.0	2,200.0	2,159.5	2,158.4	8.2	3.9	101.96	-93.0	439.2	449.6	437.7	11.96	37.600	
2,300.0	2,300.0	2,256.6	2,255.4	8.6	3.8	102.05	-95.0	444.7	455.6	443.4	12.26	37.171	
2,400.0	2,400.0	2,356.9	2,355.4	8.9	3.8	102.15	-97.0	450.7	461.9	449.3	12.57	36.753	
2,500.0	2,500.0	2,460.9	2,459.3	9.2	3.8	102.35	-99.8	456.2	467.6	454.7	12.89	36.280	
2,600.0	2,600.0	2,566.8	2,565.1	9.6	3.8	12.66	-103.1	460.4	470.5	457.3	13.21	35.606	
2,700.0	2,699.8	2,669.7	2,667.9	9.9	3.8	13.09	-106.2	463.4	468.9	455.4	13.54	34.639	
2,775.0	2,774.6	2,745.0	2,743.0	10.1	3.8	13.50	-108.4	465.4	465.3	451.5	13.78	33.757	
2,800.0	2,799.5	2,769.8	2,767.9	10.2	3.9	13.64	-109.1	466.1	463.8	449.9	13.87	33.446	
2,900.0	2,899.0	2,869.5	2,867.5	10.5	3.9	14.19	-112.0	468.7	457.7	443.5	14.20	32.232	
3,000.0	2,998.5	2,970.3	2,968.2	10.9	3.9	14.70	-114.4	471.5	451.7	437.1	14.54	31.055	
3,100.0	3,098.1	3,071.9	3,069.8	11.2	4.0	15.20	-116.5	474.0	445.3	430.4	14.90	29.893	
3,200.0	3,197.6	3,172.8	3,170.7	11.6	4.0	15.76	-118.9	475.9	438.6	423.3	15.26	28.747	
3,300.0	3,297.2	3,274.4	3,272.2	11.9	4.1	16.35	-121.1	477.6	431.6	416.0	15.62	27.623	
3,400.0	3,396.7	3,375.7	3,373.5	12.2	4.1	16.87	-122.7	479.1	424.2	408.2	16.00	26.514	
3,500.0	3,496.2	3,476.3	3,474.0	12.6	4.2	17.37	-123.9	480.2	416.5	400.1	16.38	25.428	
3,600.0	3,595.8	3,576.5	3,574.2	12.9	4.3	17.87	-125.0	481.3	408.7	391.9	16.77	24.374	
3,700.0	3,695.3	3,674.8	3,672.5	13.3	4.3	18.34	-125.8	482.5	400.9	383.8	17.16	23.363	
3,800.0	3,794.9	3,773.6	3,771.3	13.6	4.4	18.90	-127.2	483.8	393.6	376.0	17.56	22.410	
3,900.0	3,894.4	3,875.8	3,873.5	14.0	4.5	19.45	-128.1	485.2	386.1	368.1	17.97	21.482	
4,000.0	3,993.9	3,977.0	3,974.7	14.3	4.6	20.00	-128.8	485.9	378.0	359.6	18.38	20.560	
4,100.0	4,093.5	4,075.6	4,073.3	14.6	4.7	20.59	-129.6	486.5	369.8	351.0	18.80	19.666	
4,200.0	4,193.0	4,174.7	4,172.4	15.0	4.8	21.23	-130.7	487.3	362.0	342.7	19.23	18.824	
4,300.0	4,292.6	4,274.8	4,272.4	15.3	4.9	21.91	-131.7	488.1	354.2	334.5	19.66	18.017	
4,400.0	4,392.1	4,374.4	4,372.0	15.7	5.0	22.69	-133.2	488.6	346.3	326.2	20.09	17.241	
4,500.0	4,491.6	4,473.2	4,470.8	16.0	5.1	23.53	-134.8	489.2	338.7	318.1	20.52	16.503	
4,600.0	4,591.2	4,573.1	4,570.8	16.4	5.2	24.37	-136.3	490.0	331.2	310.2	20.97	15.797	
4,700.0	4,690.7	4,674.2	4,671.8	16.7	5.3	25.11	-136.9	490.8	323.5	302.1	21.42	15.103	
4,800.0	4,790.3	4,772.3	4,769.9	17.1	5.4	25.90	-137.6	491.5	315.8	293.9	21.88	14.431	
4,900.0	4,889.8	4,872.8	4,870.4	17.5	5.5	26.79	-138.6	492.4	308.4	286.1	22.34	13.803	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #4H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 6563-MWD												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	
5,000.0	4,989.3	4,972.3	4,969.9	17.8	5.6	27.69	-139.4	492.9	300.8	277.9	22.81	13.185	
5,100.0	5,088.9	5,071.7	5,069.3	18.2	5.7	28.59	-140.0	493.8	293.4	270.1	23.29	12.598	
5,200.0	5,188.4	5,171.3	5,168.9	18.5	5.9	29.57	-140.8	494.6	286.1	262.3	23.77	12.037	
5,300.0	5,288.0	5,271.9	5,269.5	18.9	6.0	30.71	-142.0	495.1	278.8	254.5	24.24	11.499	
5,400.0	5,387.5	5,371.5	5,369.0	19.2	6.1	31.99	-143.3	495.1	271.2	246.5	24.71	10.978	
5,500.0	5,487.0	5,468.9	5,466.5	19.6	6.2	33.42	-145.3	495.1	264.3	239.1	25.19	10.492	
5,600.0	5,586.6	5,567.6	5,565.1	19.9	6.4	34.98	-147.7	495.6	258.2	232.5	25.68	10.056	
5,700.0	5,686.1	5,667.2	5,664.6	20.3	6.5	36.67	-150.5	496.1	252.4	226.2	26.17	9.643	
5,800.0	5,785.7	5,766.2	5,763.6	20.7	6.6	38.47	-153.4	496.5	246.9	220.2	26.68	9.254	
5,900.0	5,885.2	5,865.6	5,863.0	21.0	6.8	40.24	-156.0	497.4	241.9	214.7	27.20	8.893	
6,000.0	5,984.7	5,965.0	5,962.3	21.4	6.9	41.91	-158.2	498.7	237.0	209.3	27.72	8.551	
6,100.0	6,084.3	6,065.1	6,062.4	21.7	7.0	43.73	-160.6	500.0	232.5	204.3	28.25	8.231	
6,200.0	6,183.8	6,164.9	6,162.2	22.1	7.2	45.86	-163.4	500.3	227.9	199.2	28.77	7.923	
6,300.0	6,283.3	6,265.5	6,263.7	22.4	7.3	48.48	-167.1	499.4	223.5	194.2	29.29	7.631	
6,400.0	6,382.9	6,368.9	6,366.0	22.8	7.4	51.41	-170.2	497.0	218.1	188.3	29.78	7.324	
6,500.0	6,482.4	6,478.2	6,475.2	23.2	7.4	54.91	-171.6	492.2	210.8	180.5	30.23	6.972	
6,600.0	6,582.0	6,583.0	6,579.7	23.5	7.6	58.39	-168.5	485.3	199.3	168.6	30.66	6.500	
6,700.0	6,681.5	6,675.4	6,671.9	23.9	7.6	61.38	-165.3	480.7	189.0	157.8	31.18	6.061	
6,800.0	6,781.0	6,772.8	6,769.3	24.2	7.6	64.42	-163.8	478.2	182.0	150.3	31.66	5.749	
6,900.0	6,880.6	6,870.2	6,866.7	24.6	7.7	67.53	-162.3	476.2	175.8	143.7	32.13	5.473	
7,000.0	6,980.1	6,970.5	6,967.0	25.0	7.7	70.73	-161.0	475.0	170.8	138.2	32.59	5.242	
7,100.0	7,079.7	7,070.9	7,067.3	25.3	7.8	74.13	-159.1	473.6	165.7	132.6	33.05	5.013	
7,200.0	7,179.2	7,170.3	7,166.7	25.7	7.9	77.76	-157.1	471.9	160.9	127.4	33.52	4.801	
7,300.0	7,278.7	7,269.9	7,266.3	26.0	8.0	81.65	-155.0	470.1	156.7	122.7	33.99	4.611	
7,400.0	7,378.3	7,369.1	7,365.4	26.4	8.2	85.76	-152.7	468.2	153.2	118.8	34.47	4.445	
7,500.0	7,477.8	7,466.5	7,462.8	26.8	8.3	89.95	-151.2	466.3	151.2	116.3	34.95	4.326	
7,525.7	7,503.4	7,491.0	7,487.3	26.8	8.3	90.97	-151.1	466.0	151.1	116.0	35.07	4.308 CC, ES	
7,566.7	7,544.2	7,529.7	7,526.0	27.0	8.4	92.53	-151.2	465.6	151.4	116.1	35.27	4.292 SF	
7,575.0	7,552.5	7,537.3	7,533.5	27.0	8.4	100.82	-151.3	465.5	151.6	116.3	35.30	4.294	
7,600.0	7,577.3	7,559.6	7,555.9	27.1	8.4	117.77	-151.8	465.3	153.3	117.9	35.42	4.329	
7,625.0	7,601.9	7,581.0	7,577.3	27.2	8.5	127.55	-152.7	465.1	156.7	121.2	35.52	4.411	
7,650.0	7,626.3	7,601.5	7,597.7	27.3	8.5	133.84	-154.0	464.9	161.8	126.2	35.62	4.542	
7,675.0	7,650.5	7,619.0	7,615.1	27.4	8.6	138.11	-155.5	464.7	168.8	133.1	35.70	4.729	
7,700.0	7,674.3	7,639.5	7,635.5	27.5	8.6	141.50	-157.8	464.4	177.6	141.8	35.79	4.961	
7,725.0	7,697.6	7,657.1	7,653.0	27.6	8.7	143.98	-160.2	464.2	188.2	152.3	35.86	5.247	
7,750.0	7,720.5	7,673.9	7,669.5	27.6	8.7	145.90	-163.0	464.0	200.5	164.5	35.92	5.581	
7,775.0	7,742.8	7,689.9	7,685.2	27.7	8.8	147.36	-165.9	463.8	214.3	178.4	35.97	5.959	
7,800.0	7,764.5	7,704.8	7,699.8	27.8	8.8	148.44	-169.0	463.7	229.7	193.7	36.00	6.379	
7,825.0	7,785.5	7,718.7	7,713.3	27.9	8.9	149.19	-172.1	463.5	246.4	210.3	36.04	6.837	
7,850.0	7,805.8	7,731.5	7,725.7	28.0	8.9	149.61	-175.2	463.4	264.3	228.3	36.06	7.330	
7,875.0	7,825.4	7,746.0	7,739.8	28.0	8.9	149.95	-178.9	463.2	283.4	247.3	36.13	7.845	
7,900.0	7,844.1	7,753.6	7,747.1	28.1	9.0	149.46	-181.0	463.1	303.5	267.4	36.10	8.408	
7,925.0	7,861.9	7,763.0	7,756.1	28.2	9.0	148.84	-183.6	463.0	324.5	288.4	36.11	8.986	
7,950.0	7,878.7	7,771.3	7,764.1	28.2	9.0	147.77	-186.1	462.9	346.3	310.1	36.12	9.587	
7,975.0	7,894.6	7,777.0	7,769.5	28.3	9.0	145.94	-187.8	462.9	368.7	332.6	36.10	10.214	
8,000.0	7,909.5	7,784.7	7,776.8	28.3	9.0	143.81	-190.2	462.8	391.8	355.7	36.13	10.844	
8,025.0	7,923.2	7,789.9	7,781.7	28.4	9.1	140.45	-191.8	462.7	415.3	379.2	36.14	11.494	
8,050.0	7,935.9	7,794.1	7,785.7	28.4	9.1	135.59	-193.2	462.7	439.3	403.2	36.14	12.156	
8,075.0	7,947.5	7,797.3	7,788.7	28.5	9.1	128.46	-194.2	462.7	463.6	427.4	36.14	12.827	
8,100.0	7,957.8	7,799.5	7,790.8	28.5	9.1	117.80	-195.0	462.7	488.1	452.0	36.14	13.505	
8,125.0	7,967.0	7,800.9	7,792.1	28.6	9.1	102.21	-195.4	462.7	512.8	476.6	36.14	14.187	
8,150.0	7,975.0	7,801.4	7,792.6	28.6	9.1	81.84	-195.6	462.7	537.5	501.4	36.14	14.871	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #4H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 6563-MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
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
8,175.0	7,981.7	7,801.0	7,792.2	28.7	9.1	60.83	-195.5	462.7	562.3	526.1	36.14	15.556	
8,200.0	7,987.1	7,799.9	7,791.2	28.7	9.1	44.00	-195.1	462.7	587.0	550.8	36.14	16.240	
8,225.0	7,991.3	7,798.1	7,789.5	28.8	9.1	32.25	-194.5	462.7	611.6	575.4	36.15	16.920	
8,250.0	7,994.1	7,795.5	7,787.0	28.8	9.1	24.26	-193.6	462.7	636.0	599.8	36.15	17.595	
8,275.0	7,995.7	7,792.3	7,784.0	28.9	9.1	18.71	-192.6	462.7	660.1	624.0	36.15	18.262	
8,290.2	7,996.0	7,790.0	7,781.8	28.9	9.1	16.13	-191.9	462.7	674.7	638.5	36.15	18.664	
8,300.0	7,996.1	7,788.5	7,780.4	28.9	9.1	15.35	-191.4	462.8	684.1	647.9	36.15	18.922	
8,400.0	7,996.5	7,777.0	7,769.5	29.1	9.0	7.60	-187.8	462.9	780.0	743.7	36.21	21.540	
8,500.0	7,997.0	7,760.4	7,753.6	29.2	9.0	-0.63	-182.9	463.0	876.4	840.2	36.21	24.201	
8,600.0	7,997.5	7,746.0	7,739.8	29.5	8.9	-8.49	-178.9	463.2	973.3	937.1	36.24	26.860	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #702H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8755-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,300.0	6,283.3	6,322.4	6,317.6	22.4	6.1	-4.47	76.8	1,342.5	995.5	967.6	27.86	35.733	
6,400.0	6,382.9	6,402.1	6,397.3	22.8	6.1	-4.45	75.7	1,339.9	982.5	954.2	28.31	34.702	
6,500.0	6,482.4	6,487.7	6,482.8	23.2	6.1	-4.35	73.2	1,338.5	971.1	942.4	28.75	33.777	
6,600.0	6,582.0	6,575.8	6,570.8	23.5	6.2	-4.19	69.8	1,338.3	961.1	931.9	29.18	32.941	
6,700.0	6,681.5	6,676.0	6,670.9	23.9	6.2	-3.97	65.6	1,338.6	951.5	921.9	29.59	32.156	
6,800.0	6,781.0	6,778.8	6,773.6	24.2	6.2	-3.75	61.3	1,338.7	941.7	911.7	30.00	31.386	
6,900.0	6,880.6	6,877.9	6,872.7	24.6	6.2	-3.54	57.2	1,338.5	931.7	901.3	30.42	30.627	
7,000.0	6,980.1	6,976.5	6,971.2	25.0	6.2	-3.31	52.9	1,338.5	921.9	891.0	30.84	29.892	
7,100.0	7,079.7	7,070.5	7,065.0	25.3	6.3	-2.97	47.1	1,339.0	912.5	881.2	31.26	29.190	
7,200.0	7,179.2	7,169.0	7,163.3	25.7	6.3	-2.58	40.5	1,339.7	903.3	871.6	31.68	28.517	
7,300.0	7,278.7	7,266.5	7,260.6	26.0	6.3	-2.25	34.9	1,340.7	894.5	862.4	32.09	27.875	
7,400.0	7,378.3	7,373.2	7,367.3	26.4	6.3	-2.04	31.4	1,341.1	885.2	852.7	32.50	27.238	
7,500.0	7,477.8	7,473.7	7,467.7	26.8	6.4	-1.88	28.5	1,341.2	875.6	842.7	32.91	26.602	
7,566.7	7,544.2	7,543.8	7,537.8	27.0	6.4	-1.75	26.4	1,341.1	869.1	835.9	33.19	26.185	
7,575.0	7,552.5	7,553.9	7,547.8	27.0	6.4	6.35	26.2	1,341.1	868.2	835.0	33.22	26.132	
7,600.0	7,577.3	7,582.3	7,576.2	27.1	6.4	22.80	25.6	1,340.8	864.9	831.6	33.33	25.953	
7,625.0	7,601.9	7,607.3	7,601.2	27.2	6.4	32.18	25.1	1,340.5	861.0	827.5	33.44	25.749	
7,650.0	7,626.3	7,631.3	7,625.2	27.3	6.5	38.22	24.6	1,340.2	856.3	822.8	33.55	25.526	
7,675.0	7,650.5	7,655.3	7,649.2	27.4	6.5	42.59	24.2	1,340.0	851.0	817.3	33.65	25.286	
7,700.0	7,674.3	7,679.1	7,673.0	27.5	6.5	46.07	23.6	1,339.7	845.1	811.3	33.76	25.031	
7,725.0	7,697.6	7,701.7	7,695.6	27.6	6.5	49.03	23.1	1,339.5	838.5	804.7	33.87	24.761	
7,750.0	7,720.5	7,724.5	7,718.4	27.6	6.5	51.73	22.6	1,339.2	831.5	797.5	33.97	24.479	
7,775.0	7,742.8	7,746.6	7,740.5	27.7	6.5	54.27	22.1	1,339.0	824.0	789.9	34.07	24.185	
7,800.0	7,764.5	7,768.0	7,761.9	27.8	6.5	56.73	21.6	1,338.7	816.0	781.8	34.17	23.883	
7,825.0	7,785.5	7,788.1	7,782.0	27.9	6.6	59.12	21.1	1,338.5	807.7	773.4	34.26	23.573	
7,850.0	7,805.8	7,807.8	7,801.7	28.0	6.6	61.52	20.7	1,338.3	799.1	764.7	34.36	23.258	
7,875.0	7,825.4	7,827.8	7,821.6	28.0	6.6	63.96	20.2	1,338.1	790.2	755.8	34.44	22.942	
7,900.0	7,844.1	7,845.6	7,839.5	28.1	6.6	66.35	19.8	1,337.9	781.2	746.7	34.53	22.623	
7,925.0	7,861.9	7,862.9	7,856.8	28.2	6.6	68.74	19.4	1,337.7	772.2	737.6	34.62	22.307	
7,950.0	7,878.7	7,879.3	7,873.2	28.2	6.6	71.10	19.0	1,337.6	763.2	728.5	34.70	21.995	
7,975.0	7,894.6	7,894.6	7,888.5	28.3	6.6	73.41	18.6	1,337.4	754.2	719.5	34.77	21.690	
8,000.0	7,909.5	7,908.7	7,902.5	28.3	6.6	75.64	18.3	1,337.3	745.5	710.7	34.85	21.394	
8,025.0	7,923.2	7,921.7	7,915.5	28.4	6.6	77.78	18.0	1,337.1	737.1	702.2	34.92	21.109	
8,050.0	7,935.9	7,933.8	7,927.7	28.4	6.6	79.81	17.8	1,337.0	729.1	694.1	34.99	20.839	
8,075.0	7,947.5	7,945.2	7,939.0	28.5	6.7	81.73	17.6	1,336.9	721.6	686.6	35.06	20.585	
8,100.0	7,957.8	7,955.4	7,949.3	28.5	6.7	83.49	17.6	1,336.9	714.7	679.5	35.12	20.350	
8,125.0	7,967.0	7,964.4	7,958.3	28.6	6.7	85.07	17.5	1,336.9	708.3	673.2	35.18	20.135	
8,150.0	7,975.0	7,972.4	7,966.2	28.6	6.7	86.47	17.6	1,336.8	702.8	667.5	35.24	19.944	
8,175.0	7,981.7	7,979.4	7,973.2	28.7	6.7	87.68	17.6	1,336.8	698.0	662.7	35.29	19.778	
8,200.0	7,987.1	7,985.2	7,979.0	28.7	6.7	88.68	17.6	1,336.8	694.1	658.7	35.34	19.638	
8,225.0	7,991.3	7,989.6	7,983.5	28.8	6.7	89.45	17.6	1,336.8	691.1	655.7	35.39	19.527	
8,250.0	7,994.1	7,992.8	7,986.6	28.8	6.7	89.98	17.7	1,336.8	689.1	653.7	35.44	19.446	
8,275.0	7,995.7	7,994.5	7,988.4	28.9	6.7	90.27	17.7	1,336.8	688.1	652.6	35.48	19.395	
8,287.4	7,996.0	7,994.9	7,988.7	28.9	6.7	90.31	17.7	1,336.8	687.9	652.5	35.49	19.382 CC, ES	
8,290.2	7,996.0	7,994.9	7,988.8	28.9	6.7	90.32	17.7	1,336.8	688.0	652.5	35.50	19.380	
8,300.0	7,996.1	7,995.0	7,988.9	28.9	6.7	90.32	17.7	1,336.8	688.1	652.6	35.51	19.376 SF	
8,400.0	7,996.5	7,996.0	7,989.9	29.1	6.7	90.42	17.7	1,336.8	699.2	663.6	35.67	19.605	
8,500.0	7,997.0	7,997.0	7,990.9	29.2	6.7	90.52	17.7	1,336.8	727.4	691.6	35.81	20.312	
8,600.0	7,997.5	7,998.1	7,992.0	29.5	6.7	90.63	17.7	1,336.8	770.8	734.9	35.94	21.447	
8,700.0	7,998.0	7,999.2	7,993.1	29.7	6.7	90.76	17.7	1,336.8	826.9	790.9	36.04	22.944	
8,800.0	7,998.5	8,000.4	7,994.3	29.9	6.7	90.90	17.7	1,336.8	893.3	857.1	36.11	24.734	
8,900.0	7,999.0	8,001.6	7,995.5	30.2	6.7	91.06	17.7	1,336.8	967.7	931.6	36.17	26.756	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #703H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8704-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	
4,400.0	4,392.1	4,472.7	4,460.9	15.7	6.0	-5.60	94.7	1,147.2	986.0	964.5	21.54	45.773	
4,500.0	4,491.6	4,570.6	4,558.4	16.0	6.1	-5.76	95.7	1,139.1	968.4	946.4	21.99	44.030	
4,600.0	4,591.2	4,669.4	4,656.8	16.4	6.2	-5.89	96.0	1,131.0	950.9	928.4	22.45	42.357	
4,700.0	4,690.7	4,767.8	4,755.0	16.7	6.3	-6.00	96.1	1,123.1	933.4	910.5	22.91	40.752	
4,800.0	4,790.3	4,873.4	4,860.1	17.1	6.5	-6.15	96.5	1,113.9	915.3	891.9	23.36	39.189	
4,900.0	4,889.8	4,964.6	4,950.9	17.5	6.6	-6.27	96.4	1,106.1	897.3	873.5	23.82	37.670	
5,000.0	4,989.3	5,069.2	5,055.3	17.8	6.7	-6.38	96.1	1,097.5	879.7	855.4	24.27	36.241	
5,100.0	5,088.9	5,174.0	5,159.6	18.2	6.8	-6.60	97.2	1,087.5	860.9	836.2	24.72	34.820	
5,200.0	5,188.4	5,267.5	5,252.7	18.5	6.9	-6.78	97.8	1,078.7	842.1	816.9	25.19	33.432	
5,300.0	5,288.0	5,354.9	5,339.7	18.9	7.0	-6.92	97.9	1,071.4	824.4	798.7	25.67	32.121	
5,400.0	5,387.5	5,457.4	5,442.0	19.2	7.1	-7.16	99.1	1,063.8	807.8	781.7	26.12	30.925	
5,500.0	5,487.0	5,562.9	5,546.9	19.6	7.3	-7.65	103.3	1,053.9	789.5	763.0	26.56	29.722	
5,600.0	5,586.6	5,659.9	5,643.4	19.9	7.4	-8.10	106.8	1,044.7	771.2	744.2	27.02	28.541	
5,700.0	5,686.1	5,756.6	5,739.7	20.3	7.5	-8.51	109.7	1,035.8	753.1	725.6	27.48	27.406	
5,800.0	5,785.7	5,862.8	5,845.3	20.7	7.6	-9.02	113.1	1,025.8	734.8	706.9	27.92	26.320	
5,900.0	5,885.2	5,960.2	5,942.0	21.0	7.7	-9.62	117.4	1,015.6	715.9	687.5	28.37	25.229	
6,000.0	5,984.7	6,055.4	6,036.7	21.4	7.8	-10.18	121.1	1,006.0	697.2	668.3	28.84	24.177	
6,100.0	6,084.3	6,150.6	6,131.5	21.7	7.9	-10.68	123.9	997.0	679.1	649.8	29.30	23.176	
6,200.0	6,183.8	6,258.6	6,238.8	22.1	8.1	-11.32	127.2	986.3	660.5	630.8	29.73	22.217	
6,300.0	6,283.3	6,354.6	6,334.2	22.4	8.2	-11.99	130.8	975.8	641.2	611.1	30.19	21.240	
6,400.0	6,382.9	6,443.5	6,422.7	22.8	8.3	-12.48	132.5	967.3	623.0	592.4	30.68	20.309	
6,500.0	6,482.4	6,537.6	6,516.4	23.2	8.4	-13.02	134.6	959.3	606.0	574.8	31.15	19.455	
6,600.0	6,582.0	6,625.0	6,603.6	23.5	8.5	-13.57	136.9	952.9	590.2	558.5	31.63	18.657	
6,700.0	6,681.5	6,728.8	6,707.2	23.9	8.6	-14.19	139.3	946.6	575.5	543.5	32.07	17.946	
6,800.0	6,781.0	6,825.0	6,803.0	24.2	8.7	-14.94	142.7	939.5	560.1	527.5	32.53	17.219	
6,900.0	6,880.6	6,918.7	6,896.4	24.6	8.9	-15.65	145.7	933.4	545.4	512.4	32.99	16.533	
7,000.0	6,980.1	7,020.3	6,997.9	25.0	9.0	-16.37	148.2	927.6	531.4	498.0	33.42	15.898	
7,100.0	7,079.7	7,130.1	7,107.3	25.3	9.1	-17.13	149.6	919.3	515.3	481.4	33.84	15.227	
7,200.0	7,179.2	7,228.6	7,205.5	25.7	9.2	-17.81	150.4	911.3	498.7	464.4	34.29	14.540	
7,300.0	7,278.7	7,327.0	7,303.6	26.0	9.3	-18.48	150.7	903.5	482.2	447.4	34.75	13.875	
7,400.0	7,378.3	7,424.6	7,400.9	26.4	9.5	-19.14	150.7	896.0	465.8	430.6	35.21	13.229	
7,500.0	7,477.8	7,525.5	7,501.5	26.8	9.6	-19.92	150.9	887.8	449.3	413.6	35.65	12.601	
7,566.7	7,544.2	7,588.6	7,564.4	27.0	9.7	-20.42	151.0	882.8	438.3	402.3	35.97	12.186	
7,575.0	7,552.5	7,596.3	7,572.0	27.0	9.7	-12.38	151.0	882.2	436.9	400.9	36.01	12.134	
7,600.0	7,577.3	7,618.7	7,594.4	27.1	9.7	3.90	151.0	880.6	432.1	396.0	36.13	11.960	
7,625.0	7,601.9	7,641.4	7,617.1	27.2	9.7	13.16	150.9	879.1	426.5	390.2	36.26	11.761	
7,650.0	7,626.3	7,664.6	7,640.2	27.3	9.8	19.13	150.9	877.6	419.9	383.5	36.39	11.539	
7,675.0	7,650.5	7,687.9	7,663.5	27.4	9.8	23.50	150.8	876.2	412.4	375.9	36.52	11.293	
7,700.0	7,674.3	7,711.2	7,686.7	27.5	9.8	27.06	150.6	874.8	404.0	367.3	36.64	11.024	
7,725.0	7,697.6	7,733.9	7,709.4	27.6	9.8	30.22	150.5	873.4	394.6	357.9	36.77	10.732	
7,750.0	7,720.5	7,755.7	7,731.2	27.6	9.9	33.21	150.5	872.1	384.5	347.6	36.91	10.418	
7,775.0	7,742.8	7,777.5	7,752.9	27.7	9.9	36.21	150.4	870.9	373.6	336.5	37.04	10.087	
7,800.0	7,764.5	7,798.5	7,773.8	27.8	9.9	39.30	150.3	869.7	362.0	324.8	37.17	9.738	
7,825.0	7,785.5	7,819.0	7,794.4	27.9	9.9	42.60	150.2	868.5	349.7	312.4	37.30	9.376	
7,850.0	7,805.8	7,839.2	7,814.5	28.0	10.0	46.17	150.1	867.3	336.9	299.5	37.43	9.002	
7,875.0	7,825.4	7,858.3	7,833.5	28.0	10.0	50.00	149.9	866.2	323.7	286.2	37.56	8.619	
7,900.0	7,844.1	7,876.1	7,851.4	28.1	10.0	54.07	149.7	865.2	310.2	272.5	37.69	8.231	
7,925.0	7,861.9	7,893.2	7,868.4	28.2	10.0	58.40	149.5	864.2	296.7	258.8	37.82	7.844	
7,950.0	7,878.7	7,909.1	7,884.3	28.2	10.1	62.89	149.3	863.3	283.2	245.3	37.94	7.463	
7,975.0	7,894.6	7,923.9	7,899.0	28.3	10.1	67.45	149.1	862.4	270.1	232.0	38.06	7.096	
8,000.0	7,909.5	7,937.6	7,912.8	28.3	10.1	71.99	148.9	861.6	257.6	219.4	38.17	6.748	
8,025.0	7,923.2	7,950.4	7,925.5	28.4	10.1	76.39	148.7	860.9	246.0	207.7	38.25	6.431	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 28 STATE PROJECT (ATLAS 2528) - MYOX 28 ST COM #703H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8704-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
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
8,050.0	7,935.9	7,962.1	7,937.2	28.4	10.1	80.54	148.6	860.3	235.7	197.4	38.31	6.152	
8,075.0	7,947.5	7,972.8	7,947.8	28.5	10.1	84.29	148.4	859.7	227.0	188.7	38.33	5.923	
8,100.0	7,957.8	7,982.2	7,957.2	28.5	10.1	87.55	148.3	859.2	220.4	182.1	38.31	5.754	
8,125.0	7,967.0	7,990.4	7,965.4	28.6	10.1	90.22	148.2	858.7	216.2	178.0	38.23	5.656	
8,150.0	7,975.0	7,997.3	7,972.3	28.6	10.2	92.27	148.1	858.3	214.7	176.6	38.10	5.635 ES, SF	
8,150.9	7,975.2	7,997.5	7,972.6	28.6	10.2	92.33	148.1	858.3	214.7	176.6	38.09	5.636 CC	
8,175.0	7,981.7	8,003.0	7,978.0	28.7	10.2	93.65	148.0	858.0	216.0	178.1	37.91	5.698	
8,200.0	7,987.1	8,007.4	7,982.4	28.7	10.2	94.35	147.9	857.8	220.3	182.6	37.70	5.845	
8,225.0	7,991.3	8,010.5	7,985.5	28.8	10.2	94.34	147.9	857.6	227.4	189.9	37.46	6.071	
8,250.0	7,994.1	8,012.3	7,987.3	28.8	10.2	93.61	147.9	857.5	237.1	199.9	37.23	6.369	
8,275.0	7,995.7	8,012.9	7,987.8	28.9	10.2	92.13	147.9	857.4	249.1	212.1	37.01	6.730	
8,290.2	7,996.0	8,012.5	7,987.5	28.9	10.2	90.87	147.9	857.5	257.3	220.5	36.89	6.976	
8,300.0	7,996.1	8,012.2	7,987.2	28.9	10.2	90.78	147.9	857.5	263.0	226.2	36.82	7.144	
8,400.0	7,996.5	8,008.6	7,983.6	29.1	10.2	89.81	147.9	857.7	333.4	297.0	36.35	9.170	
8,500.0	7,997.0	8,005.1	7,980.1	29.2	10.2	88.80	148.0	857.9	417.7	381.5	36.20	11.539	
8,600.0	7,997.5	8,001.9	7,976.9	29.5	10.2	87.67	148.0	858.1	509.1	472.9	36.17	14.076	
8,700.0	7,998.0	7,998.8	7,973.8	29.7	10.2	86.33	148.1	858.2	604.2	568.0	36.17	16.704	
8,800.0	7,998.5	7,995.9	7,971.0	29.9	10.2	84.59	148.1	858.4	701.5	665.3	36.19	19.383	
8,900.0	7,999.0	7,993.3	7,968.3	30.2	10.2	82.04	148.1	858.5	800.0	763.8	36.21	22.095	
9,000.0	7,999.5	7,990.8	7,965.8	30.5	10.1	77.67	148.2	858.7	899.3	863.1	36.23	24.824	
9,100.0	8,000.0	7,988.5	7,963.5	30.8	10.1	67.88	148.2	858.8	999.0	962.8	36.24	27.564	

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 19 STATE #3H - OWB - ACTUAL WELLPATH													Offset Site Error:	0.0 usft
Survey Program: 100-GYD_DP_MS, 7262-													Offset Well Error:	0.0 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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,800.0	7,764.5	7,676.7	7,615.1	27.8	2.5	41.83	208.9	1,494.9	998.8	969.1	29.61	33.730		
7,825.0	7,785.5	7,691.1	7,624.9	27.9	2.5	42.79	219.6	1,494.9	992.4	962.7	29.69	33.423		
7,850.0	7,805.8	7,706.6	7,635.2	28.0	2.5	43.67	231.2	1,494.9	985.5	955.7	29.77	33.104		
7,875.0	7,825.4	7,726.8	7,648.4	28.0	2.5	44.45	246.4	1,494.9	977.9	948.1	29.85	32.765		
7,900.0	7,844.1	7,748.5	7,662.5	28.1	2.5	45.22	262.9	1,494.9	969.8	939.8	29.93	32.406		
7,925.0	7,861.9	7,766.0	7,673.7	28.2	2.6	46.12	276.3	1,494.8	960.9	930.9	30.00	32.033		
7,950.0	7,878.7	7,782.9	7,684.4	28.2	2.6	47.09	289.4	1,494.8	951.4	921.4	30.06	31.648		
7,975.0	7,894.6	7,797.0	7,693.2	28.3	2.6	48.17	300.4	1,494.9	941.5	911.4	30.13	31.254		
8,000.0	7,909.5	7,807.8	7,699.9	28.3	2.6	49.36	308.9	1,495.1	931.2	901.0	30.18	30.853		
8,025.0	7,923.2	7,818.8	7,706.6	28.4	2.6	50.60	317.6	1,495.4	920.4	890.2	30.23	30.444		
8,050.0	7,935.9	7,829.0	7,712.7	28.4	2.6	51.92	325.8	1,495.7	909.3	879.0	30.28	30.028		
8,075.0	7,947.5	7,844.2	7,721.7	28.5	2.7	53.28	338.0	1,496.3	897.8	867.4	30.33	29.596		
8,100.0	7,957.8	7,860.0	7,730.9	28.5	2.7	54.74	350.9	1,497.0	885.8	855.4	30.38	29.154		
8,125.0	7,967.0	7,883.4	7,744.1	28.6	2.7	56.32	370.1	1,498.1	873.4	842.9	30.45	28.688		
8,150.0	7,975.0	7,905.4	7,756.2	28.6	2.8	58.05	388.4	1,498.8	860.3	829.8	30.50	28.206		
8,175.0	7,981.7	7,925.1	7,766.8	28.7	2.8	59.95	405.0	1,499.4	846.8	816.2	30.55	27.715		
8,200.0	7,987.1	7,939.4	7,774.3	28.7	2.8	61.94	417.3	1,499.8	832.9	802.3	30.60	27.220		
8,225.0	7,991.3	7,953.2	7,781.2	28.8	2.8	64.04	429.2	1,500.2	818.7	788.1	30.64	26.720		
8,250.0	7,994.1	7,959.0	7,784.0	28.8	2.8	66.11	434.3	1,500.4	804.4	773.7	30.67	26.224		
8,275.0	7,995.7	7,974.8	7,791.3	28.9	2.9	68.43	448.3	1,500.9	789.9	759.2	30.72	25.715		
8,290.2	7,996.0	7,980.9	7,794.0	28.9	2.9	69.81	453.7	1,501.1	781.1	750.4	30.74	25.410		
8,300.0	7,996.1	7,991.0	7,798.3	28.9	2.9	70.08	462.9	1,501.6	775.5	744.7	30.76	25.212		
8,400.0	7,996.5	8,031.3	7,813.5	29.1	3.0	71.29	500.2	1,504.0	721.8	690.9	30.93	23.340		
8,500.0	7,997.0	8,107.3	7,836.3	29.2	3.1	72.77	572.4	1,509.1	674.2	643.0	31.14	21.650		
8,600.0	7,997.5	8,174.0	7,851.3	29.5	3.2	73.71	637.3	1,513.5	631.5	600.1	31.39	20.119		
8,700.0	7,998.0	8,242.2	7,860.0	29.7	3.2	74.11	704.6	1,519.4	596.0	564.3	31.70	18.804		
8,800.0	7,998.5	8,322.7	7,861.6	29.9	3.2	73.72	784.6	1,526.8	566.8	534.8	32.02	17.703		
8,900.0	7,999.0	8,420.5	7,858.1	30.2	3.3	72.67	882.0	1,535.8	542.3	510.1	32.29	16.798		
9,000.0	7,999.5	8,537.6	7,857.0	30.5	3.3	71.64	998.8	1,543.6	518.1	485.6	32.53	15.931		
9,100.0	8,000.0	8,637.0	7,857.2	30.8	3.4	70.89	1,098.1	1,549.0	496.0	463.1	32.84	15.104		
9,200.0	8,000.5	8,736.6	7,858.0	31.1	3.4	70.26	1,197.5	1,554.1	476.7	443.5	33.18	14.368		
9,300.0	8,001.0	8,833.6	7,858.8	31.4	3.5	69.73	1,294.4	1,559.1	460.7	427.1	33.56	13.727		
9,400.0	8,001.5	8,938.5	7,859.4	31.7	3.5	69.20	1,399.2	1,564.4	448.0	414.0	33.92	13.205		
9,500.0	8,002.0	9,043.9	7,859.8	32.1	3.6	68.69	1,504.5	1,567.5	436.6	402.3	34.31	12.728		
9,600.0	8,002.5	9,141.8	7,860.5	32.4	3.7	68.34	1,602.4	1,570.0	428.1	393.2	34.90	12.266		
9,700.0	8,003.0	9,240.8	7,861.9	32.8	3.7	68.28	1,701.4	1,573.4	423.3	387.8	35.58	11.898		
9,779.2	8,003.3	9,317.6	7,862.2	33.1	3.8	68.22	1,778.1	1,575.9	422.1	386.1	35.99	11.727 CC		
9,800.0	8,003.4	9,337.8	7,862.1	33.2	3.8	68.19	1,798.2	1,576.5	422.2	386.1	36.10	11.695		
9,861.7	8,003.7	9,405.0	7,861.6	33.4	3.8	68.13	1,865.4	1,578.4	423.0	386.6	36.35	11.635		
9,900.0	8,003.9	9,446.5	7,861.7	33.5	3.9	68.13	1,906.9	1,579.2	423.4	386.9	36.52	11.594		
10,000.0	8,004.4	9,546.5	7,861.4	33.9	3.9	68.07	2,006.9	1,580.6	424.3	387.2	37.03	11.459		
10,100.0	8,004.8	9,652.7	7,862.3	34.3	4.0	68.11	2,113.1	1,581.4	424.1	386.6	37.50	11.311		
10,200.0	8,005.3	9,752.6	7,862.8	34.7	4.1	68.08	2,213.0	1,581.4	423.4	385.4	38.05	11.127		
10,300.0	8,005.8	9,850.5	7,864.2	35.2	4.2	68.20	2,310.9	1,582.0	422.9	384.2	38.68	10.933		
10,317.0	8,005.9	9,866.7	7,864.4	35.3	4.2	68.22	2,327.1	1,582.2	422.9	384.1	38.79	10.901		
10,400.0	8,006.2	9,946.7	7,864.8	35.6	4.3	68.24	2,407.1	1,583.2	423.2	383.9	39.32	10.763 ES		
10,500.0	8,006.7	10,042.4	7,865.5	36.1	4.3	68.33	2,502.8	1,585.1	424.4	384.4	39.95	10.623		
10,600.0	8,007.2	10,136.9	7,864.8	36.6	4.4	68.29	2,597.2	1,587.9	426.8	386.2	40.60	10.513		
10,700.0	8,007.7	10,232.7	7,865.5	37.1	4.5	68.50	2,692.9	1,592.3	430.3	389.0	41.24	10.433		
10,800.0	8,008.1	10,339.4	7,863.8	37.6	4.6	68.41	2,799.5	1,596.8	434.3	392.5	41.81	10.388		
10,900.0	8,008.6	10,448.2	7,864.6	38.1	4.7	68.50	2,908.3	1,598.7	435.1	392.7	42.35	10.272		
11,000.0	8,009.1	10,548.0	7,865.4	38.7	4.8	68.56	3,008.0	1,600.1	435.5	392.5	43.00	10.128		

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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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 MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 19 STATE #3H - OWB - ACTUAL WELLPATH												Offset Site Error:	0.0 usft
Survey Program: 100-GYD_DP_MS, 7262-												Offset Well Error:	0.0 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	
11,100.0	8,009.5	10,645.9	7,866.2	39.2	4.9	68.65	3,105.9	1,601.7	436.2	392.5	43.68	9.987	
11,200.0	8,010.0	10,734.8	7,866.3	39.8	4.9	68.70	3,194.8	1,604.2	438.3	393.8	44.46	9.859	
11,300.0	8,010.5	10,843.0	7,867.5	40.3	5.0	68.95	3,302.9	1,608.7	441.2	396.2	45.03	9.798	
11,400.0	8,010.9	10,940.2	7,868.7	40.9	5.1	69.15	3,400.0	1,611.7	443.1	397.4	45.74	9.689	
11,500.0	8,011.4	11,040.6	7,870.1	41.5	5.2	69.38	3,500.3	1,615.1	445.3	398.8	46.41	9.594	
11,600.0	8,011.9	11,131.3	7,871.0	42.1	5.3	69.58	3,591.0	1,619.1	448.5	401.3	47.18	9.505	
11,700.0	8,012.3	11,234.3	7,871.9	42.7	5.4	69.83	3,693.9	1,624.2	452.3	404.4	47.84	9.454	
11,800.0	8,012.8	11,331.8	7,871.1	43.3	5.5	69.82	3,791.3	1,628.5	456.1	407.5	48.58	9.388	
11,900.0	8,013.3	11,430.0	7,870.9	43.9	5.6	69.93	3,889.3	1,633.3	460.2	410.9	49.31	9.333	
12,000.0	8,013.8	11,525.3	7,870.3	44.6	5.7	70.02	3,984.5	1,639.1	465.5	415.5	50.07	9.297	
12,100.0	8,014.2	11,638.8	7,870.8	45.2	5.8	70.20	4,097.8	1,644.4	469.2	418.5	50.70	9.255	
12,200.0	8,014.7	11,740.8	7,874.5	45.9	5.9	70.71	4,199.6	1,648.7	471.4	419.8	51.58	9.139	
12,300.0	8,015.2	11,835.7	7,876.2	46.5	6.0	70.98	4,294.5	1,652.3	473.9	421.2	52.67	8.996	
12,400.0	8,015.6	11,936.5	7,875.6	47.2	6.1	70.99	4,395.2	1,656.7	477.6	424.0	53.55	8.918	
12,500.0	8,016.1	12,041.4	7,876.6	47.8	6.2	71.15	4,500.0	1,660.0	479.7	425.3	54.38	8.821	
12,600.0	8,016.6	12,132.2	7,877.6	48.5	6.3	71.31	4,590.8	1,663.4	482.4	426.9	55.43	8.702	
12,700.0	8,017.0	12,224.7	7,875.5	49.2	6.4	71.18	4,683.1	1,668.1	487.3	430.9	56.36	8.646	
12,800.0	8,017.5	12,279.0	7,873.6	49.9	6.4	71.03	4,737.3	1,670.9	494.8	437.5	57.34	8.630 SF	
12,900.0	8,018.0	12,279.0	7,873.6	50.6	6.4	71.03	4,737.3	1,670.9	519.0	461.4	57.57	9.015	
13,000.0	8,018.4	12,279.0	7,873.6	51.3	6.4	71.03	4,737.3	1,670.9	560.2	503.4	56.74	9.873	
13,100.0	8,018.9	12,279.0	7,873.6	52.0	6.4	71.03	4,737.3	1,670.9	615.0	559.7	55.32	11.118	
13,200.0	8,019.4	12,279.0	7,873.6	52.7	6.4	71.03	4,737.3	1,670.9	680.2	626.5	53.71	12.664	
13,300.0	8,019.9	12,279.0	7,873.6	53.4	6.4	71.03	4,737.3	1,670.9	753.1	700.9	52.15	14.441	
13,400.0	8,020.3	12,279.0	7,873.6	54.1	6.4	71.03	4,737.3	1,670.9	831.6	780.9	50.74	16.391	
13,501.4	8,020.8	12,279.0	7,873.6	54.8	6.4	71.03	4,737.3	1,670.9	915.6	866.1	49.49	18.502	
13,545.1	8,021.0	12,279.0	7,873.6	55.1	6.4	70.57	4,737.3	1,670.9	952.9	903.9	49.01	19.443	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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=30' @ 2998.0usft (TBD)

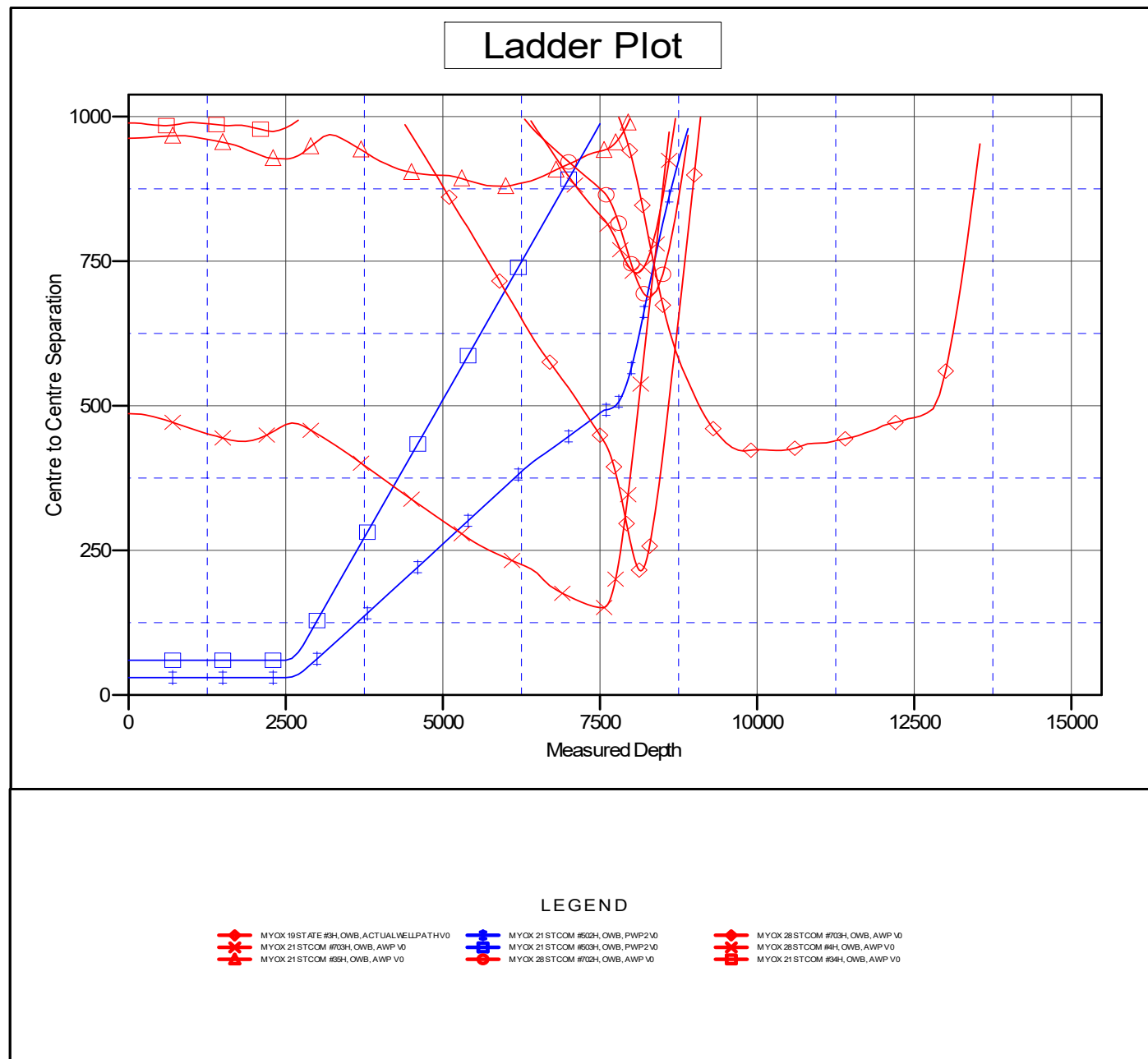
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 21 ST COM #501H

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

Grid Convergence at Surface is: 0.13°



Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Reference Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Site Error:	0.0 usft	North Reference:	Grid
Reference Well:	MYOX 21 ST COM #501H	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=30' @ 2998.0usft (TBD)

Offset Depths are relative to Offset Datum

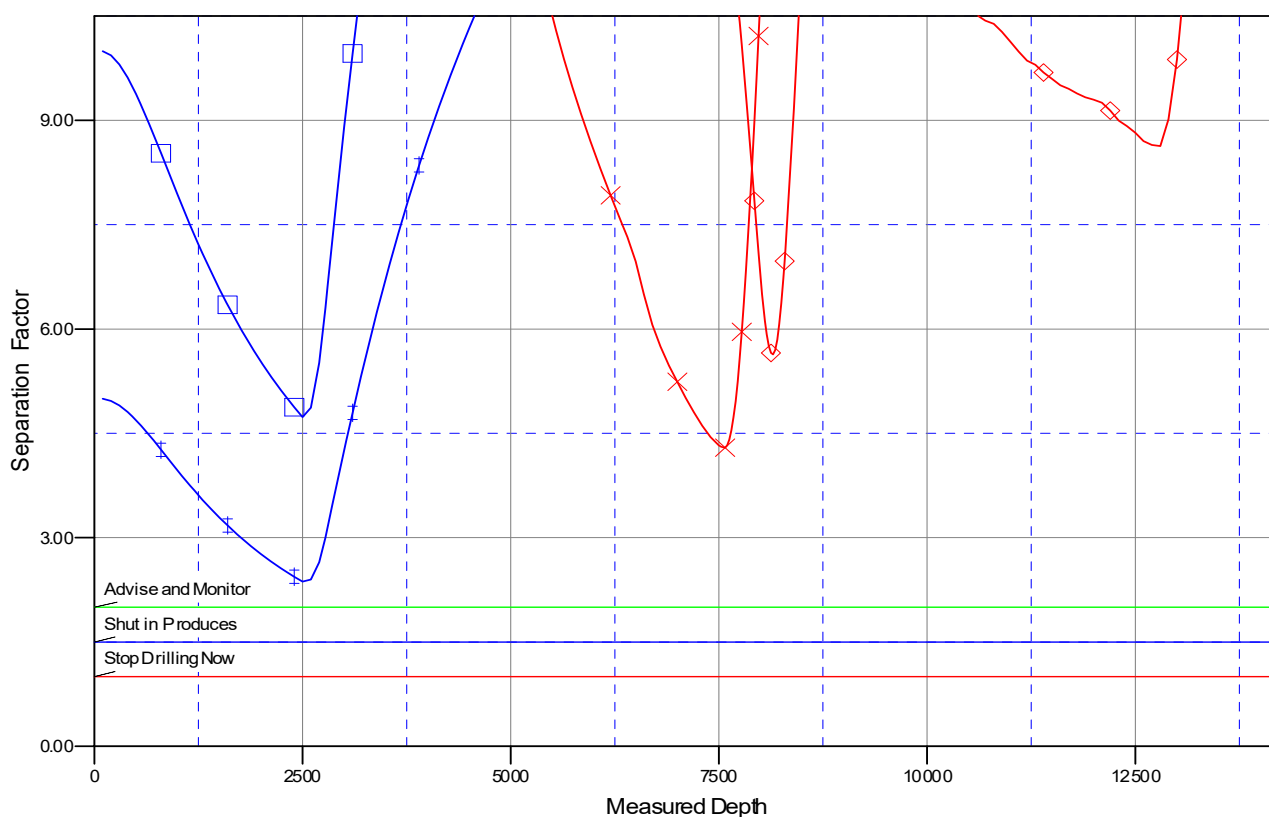
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 21 ST COM #501H

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

Grid Convergence at Surface is: 0.13°

Separation Factor Plot



LEGEND

	MYOX 19 STATE #3H, OWB, ACTUALWELLPATH V0		MYOX 21 STCOM #502H, OWB, PWP2 V0		MYOX 28 STCOM #703H, OWB, AWP V0
	MYOX 21 STCOM #703H, OWB, AWP V0		MYOX 21 STCOM #503H, OWB, PWP2 V0		MYOX 28 STCOM #8H, OWB, AWP V0
	MYOX 21 STCOM #55H, OWB, AWP V0		MYOX 28 STCOM #702H, OWB, AWP V0		MYOX 21 STCOM #56H, OWB, AWP V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 21 STATE PROJECT (ATLAS 2528)

MYOX 21 ST COM #501H

OWB

Plan: PWP2

Standard Survey Report

13 January, 2021

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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	MYOX 21 ST COM #501H				
Well Position	+N/-S	0.0 usft	Northing:	402,872.17 usft	Latitude: 32° 6' 26.574 N
	+E/-W	0.0 usft	Easting:	574,751.27 usft	Longitude: 104° 5' 30.893 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level: 2,968.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	10/5/2020	6.86	59.74	47,445.79490295

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	6.20	

Survey Tool Program	Date	1/13/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	18,801.4	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 MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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	90.00	2,600.0	0.0	1.7	0.2	2.00	2.00	0.00
2,700.0	4.00	90.00	2,699.8	0.0	7.0	0.8	2.00	2.00	0.00
2,775.0	5.50	90.00	2,774.6	0.0	13.2	1.4	2.00	2.00	0.00
Start 4791.7 hold at 2775.0 MD									
2,800.0	5.50	90.00	2,799.5	0.0	15.6	1.7	0.00	0.00	0.00
2,900.0	5.50	90.00	2,899.0	0.0	25.2	2.7	0.00	0.00	0.00
3,000.0	5.50	90.00	2,998.5	0.0	34.8	3.8	0.00	0.00	0.00
3,100.0	5.50	90.00	3,098.1	0.0	44.3	4.8	0.00	0.00	0.00
3,200.0	5.50	90.00	3,197.6	0.0	53.9	5.8	0.00	0.00	0.00
3,300.0	5.50	90.00	3,297.2	0.0	63.5	6.9	0.00	0.00	0.00
3,400.0	5.50	90.00	3,396.7	0.0	73.1	7.9	0.00	0.00	0.00
3,500.0	5.50	90.00	3,496.2	0.0	82.7	8.9	0.00	0.00	0.00
3,600.0	5.50	90.00	3,595.8	0.0	92.3	10.0	0.00	0.00	0.00
3,700.0	5.50	90.00	3,695.3	0.0	101.8	11.0	0.00	0.00	0.00
3,800.0	5.50	90.00	3,794.9	0.0	111.4	12.0	0.00	0.00	0.00
3,900.0	5.50	90.00	3,894.4	0.0	121.0	13.1	0.00	0.00	0.00
4,000.0	5.50	90.00	3,993.9	0.0	130.6	14.1	0.00	0.00	0.00
4,100.0	5.50	90.00	4,093.5	0.0	140.2	15.1	0.00	0.00	0.00
4,200.0	5.50	90.00	4,193.0	0.0	149.8	16.2	0.00	0.00	0.00
4,300.0	5.50	90.00	4,292.6	0.0	159.4	17.2	0.00	0.00	0.00
4,400.0	5.50	90.00	4,392.1	0.0	168.9	18.2	0.00	0.00	0.00
4,500.0	5.50	90.00	4,491.6	0.0	178.5	19.3	0.00	0.00	0.00
4,600.0	5.50	90.00	4,591.2	0.0	188.1	20.3	0.00	0.00	0.00
4,700.0	5.50	90.00	4,690.7	0.0	197.7	21.3	0.00	0.00	0.00
4,800.0	5.50	90.00	4,790.3	0.0	207.3	22.4	0.00	0.00	0.00
4,900.0	5.50	90.00	4,889.8	0.0	216.9	23.4	0.00	0.00	0.00
5,000.0	5.50	90.00	4,989.3	0.0	226.4	24.4	0.00	0.00	0.00
5,100.0	5.50	90.00	5,088.9	0.0	236.0	25.5	0.00	0.00	0.00
5,200.0	5.50	90.00	5,188.4	0.0	245.6	26.5	0.00	0.00	0.00
5,300.0	5.50	90.00	5,288.0	0.0	255.2	27.5	0.00	0.00	0.00
5,400.0	5.50	90.00	5,387.5	0.0	264.8	28.6	0.00	0.00	0.00
5,500.0	5.50	90.00	5,487.0	0.0	274.4	29.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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	5.50	90.00	5,586.6	0.0	284.0	30.7	0.00	0.00	0.00
5,700.0	5.50	90.00	5,686.1	0.0	293.5	31.7	0.00	0.00	0.00
5,800.0	5.50	90.00	5,785.7	0.0	303.1	32.7	0.00	0.00	0.00
5,900.0	5.50	90.00	5,885.2	0.0	312.7	33.8	0.00	0.00	0.00
6,000.0	5.50	90.00	5,984.7	0.0	322.3	34.8	0.00	0.00	0.00
6,100.0	5.50	90.00	6,084.3	0.0	331.9	35.8	0.00	0.00	0.00
6,200.0	5.50	90.00	6,183.8	0.0	341.5	36.9	0.00	0.00	0.00
6,300.0	5.50	90.00	6,283.3	0.0	351.0	37.9	0.00	0.00	0.00
6,400.0	5.50	90.00	6,382.9	0.0	360.6	38.9	0.00	0.00	0.00
6,500.0	5.50	90.00	6,482.4	0.0	370.2	40.0	0.00	0.00	0.00
6,600.0	5.50	90.00	6,582.0	0.0	379.8	41.0	0.00	0.00	0.00
6,700.0	5.50	90.00	6,681.5	0.0	389.4	42.0	0.00	0.00	0.00
6,800.0	5.50	90.00	6,781.0	0.0	399.0	43.1	0.00	0.00	0.00
6,900.0	5.50	90.00	6,880.6	0.0	408.6	44.1	0.00	0.00	0.00
7,000.0	5.50	90.00	6,980.1	0.0	418.1	45.1	0.00	0.00	0.00
7,100.0	5.50	90.00	7,079.7	0.0	427.7	46.2	0.00	0.00	0.00
7,200.0	5.50	90.00	7,179.2	0.0	437.3	47.2	0.00	0.00	0.00
7,300.0	5.50	90.00	7,278.7	0.0	446.9	48.2	0.00	0.00	0.00
7,400.0	5.50	90.00	7,378.3	0.0	456.5	49.3	0.00	0.00	0.00
7,500.0	5.50	90.00	7,477.8	0.0	466.1	50.3	0.00	0.00	0.00
7,566.7	5.50	90.00	7,544.2	0.0	472.5	51.0	0.00	0.00	0.00
Start DLS 12.00 TFO -58.27									
7,600.0	8.33	65.83	7,577.3	1.0	476.3	52.4	12.00	8.48	-72.56
7,700.0	19.45	45.24	7,674.3	15.7	494.7	69.0	12.00	11.12	-20.58
7,800.0	31.21	39.60	7,764.5	47.5	523.2	103.7	12.00	11.77	-5.64
7,900.0	43.10	36.86	7,844.1	95.0	560.3	154.9	12.00	11.89	-2.74
8,000.0	55.03	35.13	7,909.5	156.1	604.6	220.4	12.00	11.93	-1.73
8,100.0	66.98	33.84	7,957.8	228.1	653.9	297.3	12.00	11.95	-1.29
8,200.0	78.93	32.76	7,987.1	307.8	706.3	382.3	12.00	11.96	-1.08
8,290.2	89.72	31.87	7,996.0	383.6	754.2	462.8	12.00	11.96	-0.99
Start DLS 2.00 TFO -90.06									
8,300.0	89.72	31.67	7,996.1	391.9	759.4	471.6	2.00	0.00	-2.00
8,400.0	89.72	29.67	7,996.5	477.9	810.4	562.6	2.00	0.00	-2.00
8,500.0	89.72	27.67	7,997.0	565.7	858.4	655.0	2.00	0.00	-2.00
8,600.0	89.72	25.67	7,997.5	655.0	903.3	748.7	2.00	0.00	-2.00
8,700.0	89.71	23.67	7,998.0	745.9	945.0	843.5	2.00	0.00	-2.00
8,800.0	89.71	21.67	7,998.5	838.1	983.6	939.4	2.00	0.00	-2.00
8,900.0	89.71	19.67	7,999.0	931.7	1,018.9	1,036.2	2.00	0.00	-2.00
9,000.0	89.71	17.67	7,999.5	1,026.4	1,050.9	1,133.9	2.00	0.00	-2.00
9,100.0	89.72	15.67	8,000.0	1,122.2	1,079.6	1,232.2	2.00	0.00	-2.00
9,200.0	89.72	13.67	8,000.5	1,218.9	1,104.9	1,331.1	2.00	0.00	-2.00
9,300.0	89.72	11.67	8,001.0	1,316.5	1,126.8	1,430.4	2.00	0.00	-2.00
9,400.0	89.72	9.67	8,001.5	1,414.8	1,145.4	1,530.1	2.00	0.00	-2.00
9,500.0	89.72	7.67	8,002.0	1,513.6	1,160.4	1,630.0	2.00	0.00	-2.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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)
9,600.0	89.72	5.67	8,002.5	1,612.9	1,172.1	1,730.0	2.00	0.00	-2.00
9,700.0	89.73	3.67	8,003.0	1,712.6	1,180.2	1,830.0	2.00	0.00	-2.00
9,800.0	89.73	1.67	8,003.4	1,812.5	1,184.9	1,929.8	2.00	0.00	-2.00
9,861.7	89.73	0.44	8,003.7	1,874.2	1,186.0	1,991.2	2.00	0.00	-2.00
Start 3639.8 hold at 9861.7 MD									
9,900.0	89.73	0.44	8,003.9	1,912.5	1,186.3	2,029.3	0.00	0.00	0.00
10,000.0	89.73	0.44	8,004.4	2,012.5	1,187.1	2,128.8	0.00	0.00	0.00
10,100.0	89.73	0.44	8,004.8	2,112.5	1,187.8	2,228.3	0.00	0.00	0.00
10,200.0	89.73	0.44	8,005.3	2,212.5	1,188.6	2,327.8	0.00	0.00	0.00
10,300.0	89.73	0.44	8,005.8	2,312.5	1,189.4	2,427.3	0.00	0.00	0.00
10,400.0	89.73	0.44	8,006.2	2,412.4	1,190.1	2,526.8	0.00	0.00	0.00
10,500.0	89.73	0.44	8,006.7	2,512.4	1,190.9	2,626.3	0.00	0.00	0.00
10,600.0	89.73	0.44	8,007.2	2,612.4	1,191.7	2,725.8	0.00	0.00	0.00
10,700.0	89.73	0.44	8,007.7	2,712.4	1,192.4	2,825.3	0.00	0.00	0.00
10,800.0	89.73	0.44	8,008.1	2,812.4	1,193.2	2,924.8	0.00	0.00	0.00
10,900.0	89.73	0.44	8,008.6	2,912.4	1,194.0	3,024.3	0.00	0.00	0.00
11,000.0	89.73	0.44	8,009.1	3,012.4	1,194.7	3,123.8	0.00	0.00	0.00
11,100.0	89.73	0.44	8,009.5	3,112.4	1,195.5	3,223.3	0.00	0.00	0.00
11,200.0	89.73	0.44	8,010.0	3,212.4	1,196.3	3,322.8	0.00	0.00	0.00
11,300.0	89.73	0.44	8,010.5	3,312.4	1,197.0	3,422.3	0.00	0.00	0.00
11,400.0	89.73	0.44	8,010.9	3,412.4	1,197.8	3,521.8	0.00	0.00	0.00
11,500.0	89.73	0.44	8,011.4	3,512.4	1,198.6	3,621.3	0.00	0.00	0.00
11,600.0	89.73	0.44	8,011.9	3,612.4	1,199.3	3,720.8	0.00	0.00	0.00
11,700.0	89.73	0.44	8,012.3	3,712.4	1,200.1	3,820.2	0.00	0.00	0.00
11,800.0	89.73	0.44	8,012.8	3,812.4	1,200.9	3,919.7	0.00	0.00	0.00
11,900.0	89.73	0.44	8,013.3	3,912.4	1,201.6	4,019.2	0.00	0.00	0.00
12,000.0	89.73	0.44	8,013.8	4,012.4	1,202.4	4,118.7	0.00	0.00	0.00
12,100.0	89.73	0.44	8,014.2	4,112.4	1,203.2	4,218.2	0.00	0.00	0.00
12,200.0	89.73	0.44	8,014.7	4,212.4	1,203.9	4,317.7	0.00	0.00	0.00
12,300.0	89.73	0.44	8,015.2	4,312.4	1,204.7	4,417.2	0.00	0.00	0.00
12,400.0	89.73	0.44	8,015.6	4,412.4	1,205.5	4,516.7	0.00	0.00	0.00
12,500.0	89.73	0.44	8,016.1	4,512.4	1,206.2	4,616.2	0.00	0.00	0.00
12,600.0	89.73	0.44	8,016.6	4,612.4	1,207.0	4,715.7	0.00	0.00	0.00
12,700.0	89.73	0.44	8,017.0	4,712.4	1,207.8	4,815.2	0.00	0.00	0.00
12,800.0	89.73	0.44	8,017.5	4,812.4	1,208.5	4,914.7	0.00	0.00	0.00
12,900.0	89.73	0.44	8,018.0	4,912.3	1,209.3	5,014.2	0.00	0.00	0.00
13,000.0	89.73	0.44	8,018.4	5,012.3	1,210.1	5,113.7	0.00	0.00	0.00
13,100.0	89.73	0.44	8,018.9	5,112.3	1,210.8	5,213.2	0.00	0.00	0.00
13,200.0	89.73	0.44	8,019.4	5,212.3	1,211.6	5,312.7	0.00	0.00	0.00
13,300.0	89.73	0.44	8,019.9	5,312.3	1,212.4	5,412.2	0.00	0.00	0.00
13,400.0	89.73	0.44	8,020.3	5,412.3	1,213.1	5,511.7	0.00	0.00	0.00
13,500.0	89.73	0.44	8,020.8	5,512.3	1,213.9	5,611.1	0.00	0.00	0.00
13,501.4	89.73	0.44	8,020.8	5,513.8	1,213.9	5,612.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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)
Start DLS 2.00 TFO -90.24									
13,545.1	89.73	359.57	8,021.0	5,557.4	1,213.9	5,656.0	2.00	-0.01	-2.00
Start 5256.9 hold at 13545.1 MD									
13,600.0	89.73	359.57	8,021.3	5,612.3	1,213.5	5,710.5	0.00	0.00	0.00
13,700.0	89.73	359.57	8,021.7	5,712.3	1,212.8	5,809.8	0.00	0.00	0.00
13,800.0	89.73	359.57	8,022.2	5,812.3	1,212.0	5,909.2	0.00	0.00	0.00
13,900.0	89.73	359.57	8,022.7	5,912.3	1,211.2	6,008.5	0.00	0.00	0.00
14,000.0	89.73	359.57	8,023.2	6,012.3	1,210.5	6,107.8	0.00	0.00	0.00
14,100.0	89.73	359.57	8,023.6	6,112.3	1,209.7	6,207.2	0.00	0.00	0.00
14,200.0	89.73	359.57	8,024.1	6,212.3	1,209.0	6,306.5	0.00	0.00	0.00
14,300.0	89.73	359.57	8,024.6	6,312.3	1,208.2	6,405.8	0.00	0.00	0.00
14,400.0	89.73	359.57	8,025.1	6,412.3	1,207.5	6,505.2	0.00	0.00	0.00
14,500.0	89.73	359.57	8,025.5	6,512.3	1,206.7	6,604.5	0.00	0.00	0.00
14,600.0	89.73	359.57	8,026.0	6,612.3	1,205.9	6,703.8	0.00	0.00	0.00
14,700.0	89.73	359.57	8,026.5	6,712.3	1,205.2	6,803.1	0.00	0.00	0.00
14,800.0	89.73	359.57	8,027.0	6,812.3	1,204.4	6,902.5	0.00	0.00	0.00
14,900.0	89.73	359.57	8,027.4	6,912.3	1,203.7	7,001.8	0.00	0.00	0.00
15,000.0	89.73	359.57	8,027.9	7,012.3	1,202.9	7,101.1	0.00	0.00	0.00
15,100.0	89.73	359.57	8,028.4	7,112.3	1,202.2	7,200.5	0.00	0.00	0.00
15,200.0	89.73	359.57	8,028.9	7,212.3	1,201.4	7,299.8	0.00	0.00	0.00
15,300.0	89.73	359.57	8,029.3	7,312.3	1,200.6	7,399.1	0.00	0.00	0.00
15,400.0	89.73	359.57	8,029.8	7,412.2	1,199.9	7,498.5	0.00	0.00	0.00
15,500.0	89.73	359.57	8,030.3	7,512.2	1,199.1	7,597.8	0.00	0.00	0.00
15,600.0	89.73	359.57	8,030.8	7,612.2	1,198.4	7,697.1	0.00	0.00	0.00
15,700.0	89.73	359.57	8,031.3	7,712.2	1,197.6	7,796.4	0.00	0.00	0.00
15,800.0	89.73	359.57	8,031.7	7,812.2	1,196.9	7,895.8	0.00	0.00	0.00
15,900.0	89.73	359.57	8,032.2	7,912.2	1,196.1	7,995.1	0.00	0.00	0.00
16,000.0	89.73	359.57	8,032.7	8,012.2	1,195.4	8,094.4	0.00	0.00	0.00
16,100.0	89.73	359.57	8,033.2	8,112.2	1,194.6	8,193.8	0.00	0.00	0.00
16,200.0	89.73	359.57	8,033.6	8,212.2	1,193.8	8,293.1	0.00	0.00	0.00
16,300.0	89.73	359.57	8,034.1	8,312.2	1,193.1	8,392.4	0.00	0.00	0.00
16,400.0	89.73	359.57	8,034.6	8,412.2	1,192.3	8,491.8	0.00	0.00	0.00
16,500.0	89.73	359.57	8,035.1	8,512.2	1,191.6	8,591.1	0.00	0.00	0.00
16,600.0	89.73	359.57	8,035.5	8,612.2	1,190.8	8,690.4	0.00	0.00	0.00
16,700.0	89.73	359.57	8,036.0	8,712.2	1,190.1	8,789.7	0.00	0.00	0.00
16,800.0	89.73	359.57	8,036.5	8,812.2	1,189.3	8,889.1	0.00	0.00	0.00
16,900.0	89.73	359.57	8,037.0	8,912.2	1,188.5	8,988.4	0.00	0.00	0.00
17,000.0	89.73	359.57	8,037.4	9,012.2	1,187.8	9,087.7	0.00	0.00	0.00
17,100.0	89.73	359.57	8,037.9	9,112.2	1,187.0	9,187.1	0.00	0.00	0.00
17,200.0	89.73	359.57	8,038.4	9,212.2	1,186.3	9,286.4	0.00	0.00	0.00
17,300.0	89.73	359.57	8,038.9	9,312.2	1,185.5	9,385.7	0.00	0.00	0.00
17,400.0	89.73	359.57	8,039.3	9,412.2	1,184.8	9,485.1	0.00	0.00	0.00
17,500.0	89.73	359.57	8,039.8	9,512.2	1,184.0	9,584.4	0.00	0.00	0.00
17,600.0	89.73	359.57	8,040.3	9,612.2	1,183.3	9,683.7	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	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)
17,700.0	89.73	359.57	8,040.8	9,712.2	1,182.5	9,783.1	0.00	0.00	0.00
17,800.0	89.73	359.57	8,041.2	9,812.2	1,181.7	9,882.4	0.00	0.00	0.00
17,900.0	89.73	359.57	8,041.7	9,912.1	1,181.0	9,981.7	0.00	0.00	0.00
18,000.0	89.73	359.57	8,042.2	10,012.1	1,180.2	10,081.0	0.00	0.00	0.00
18,100.0	89.73	359.57	8,042.7	10,112.1	1,179.5	10,180.4	0.00	0.00	0.00
18,200.0	89.73	359.57	8,043.1	10,212.1	1,178.7	10,279.7	0.00	0.00	0.00
18,300.0	89.73	359.57	8,043.6	10,312.1	1,178.0	10,379.0	0.00	0.00	0.00
18,400.0	89.73	359.57	8,044.1	10,412.1	1,177.2	10,478.4	0.00	0.00	0.00
18,500.0	89.73	359.57	8,044.6	10,512.1	1,176.4	10,577.7	0.00	0.00	0.00
18,600.0	89.73	359.57	8,045.0	10,612.1	1,175.7	10,677.0	0.00	0.00	0.00
18,700.0	89.73	359.57	8,045.5	10,712.1	1,174.9	10,776.4	0.00	0.00	0.00
18,800.0	89.73	359.57	8,046.0	10,812.1	1,174.2	10,875.7	0.00	0.00	0.00
18,801.9	89.73	359.57	8,046.0	10,814.1	1,174.2	10,877.6	0.00	0.00	0.00
TD at 18801.9									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (MYOX 21 ST CC - plan misses target center by 420.1usft at 8400.0usft MD (7996.5 TVD, 477.9 N, 810.4 E) - Circle (radius 50.0)	0.00	0.00	7,996.0	267.0	1,173.7	403,139.17	575,924.96	32° 6' 29.190 N	104° 5' 17.240 W
T1 (MYOX 21 ST COI - plan hits target center - Rectangle (sides W100.0 H5,244.0 D20.0)	-0.27	180.44	8,020.8	5,513.8	1,213.9	408,385.93	575,965.19	32° 7' 21.114 N	104° 5' 16.633 W
PBHL (MYOX 21 ST C - plan hits target center - Rectangle (sides W100.0 H5,301.0 D20.0)	-0.27	179.57	8,046.0	10,814.1	1,174.2	413,686.23	575,925.43	32° 8' 13.569 N	104° 5' 16.955 W
LTP (MYOX 21 ST CC - plan misses target center by 0.2usft at 18751.9usft MD (8045.8 TVD, 10764.1 N, 1174.5 E) - Point	0.00	0.00	8,046.0	10,764.1	1,174.5	413,636.23	575,925.81	32° 8' 13.074 N	104° 5' 16.952 W

Plan Annotations

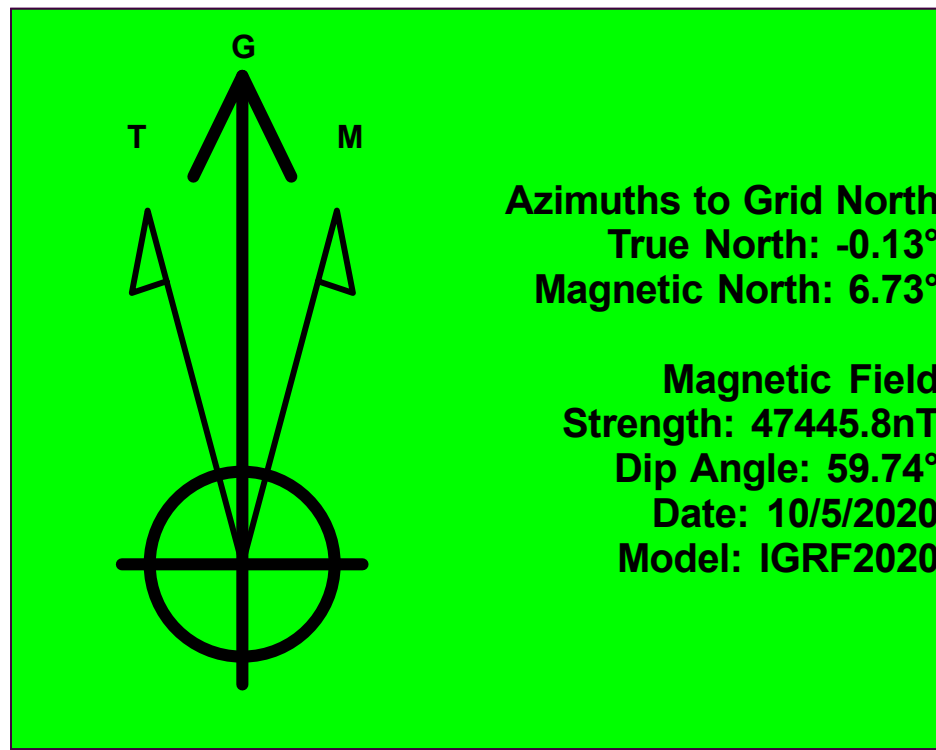
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2500	2500	0	0	Start Build 2.00
2775	2775	0	13	Start 4791.7 hold at 2775.0 MD
7567	7544	0	472	Start DLS 12.00 TFO -58.27
8290	7996	384	754	Start DLS 2.00 TFO -90.06
9862	8004	1874	1186	Start 3639.8 hold at 9861.7 MD
13,501	8021	5514	1214	Start DLS 2.00 TFO -90.24
13,545	8021	5557	1214	Start 5256.9 hold at 13545.1 MD
18,802	8046	10,814	1174	TD at 18801.9

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #501H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 2998.0usft (TBD)
Site:	MYOX 21 STATE PROJECT (ATLAS 2528)	MD Reference:	*KB=30' @ 2998.0usft (TBD)
Well:	MYOX 21 ST COM #501H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Checked By: _____ Approved By: _____ Date: _____



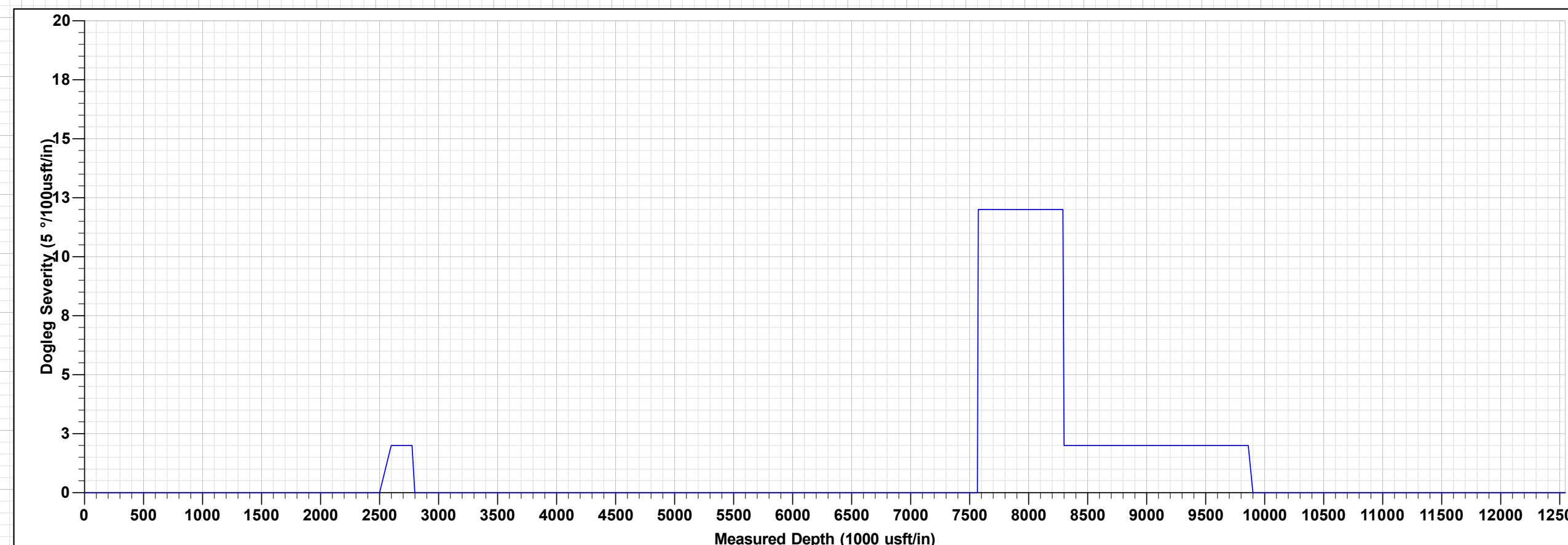
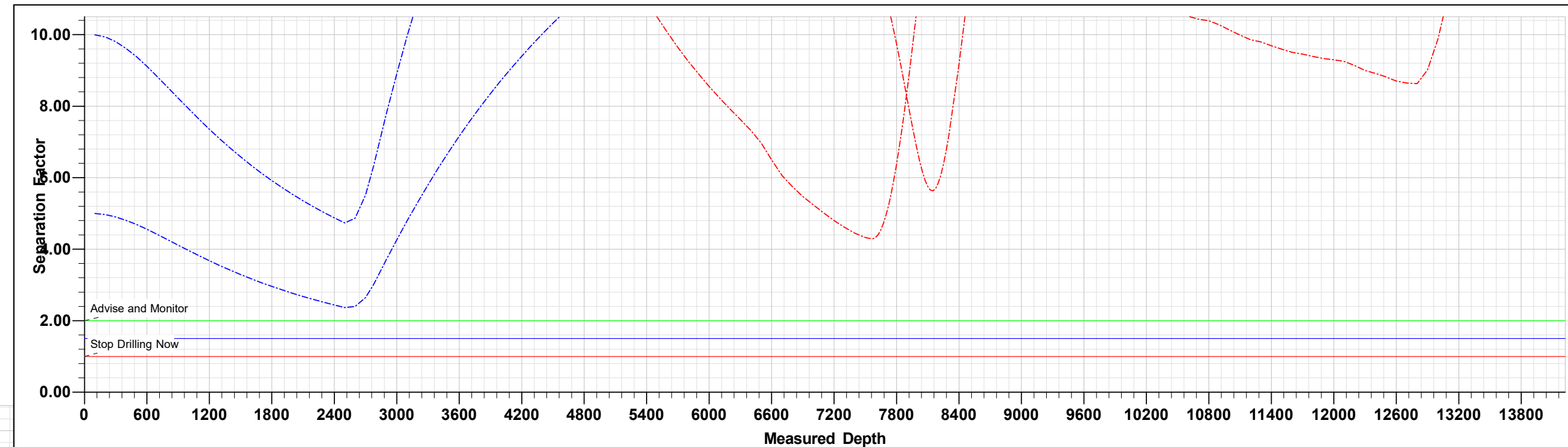
Project: ATLAS PROSPECT (NM-E)
Site: MYOX 21 STATE PROJECT (ATLAS 2528)
Well: MYOX 21 ST COM #501H
Wellbore: OWB
Design: PWP2
GL: 2968.0
*KB=30' @ 2998.0usft (TBD)

WELL DETAILS: MYOX 21 ST COM #501H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	402872.17	574751.27	32° 6' 26.574 N	104° 5' 30.893 W

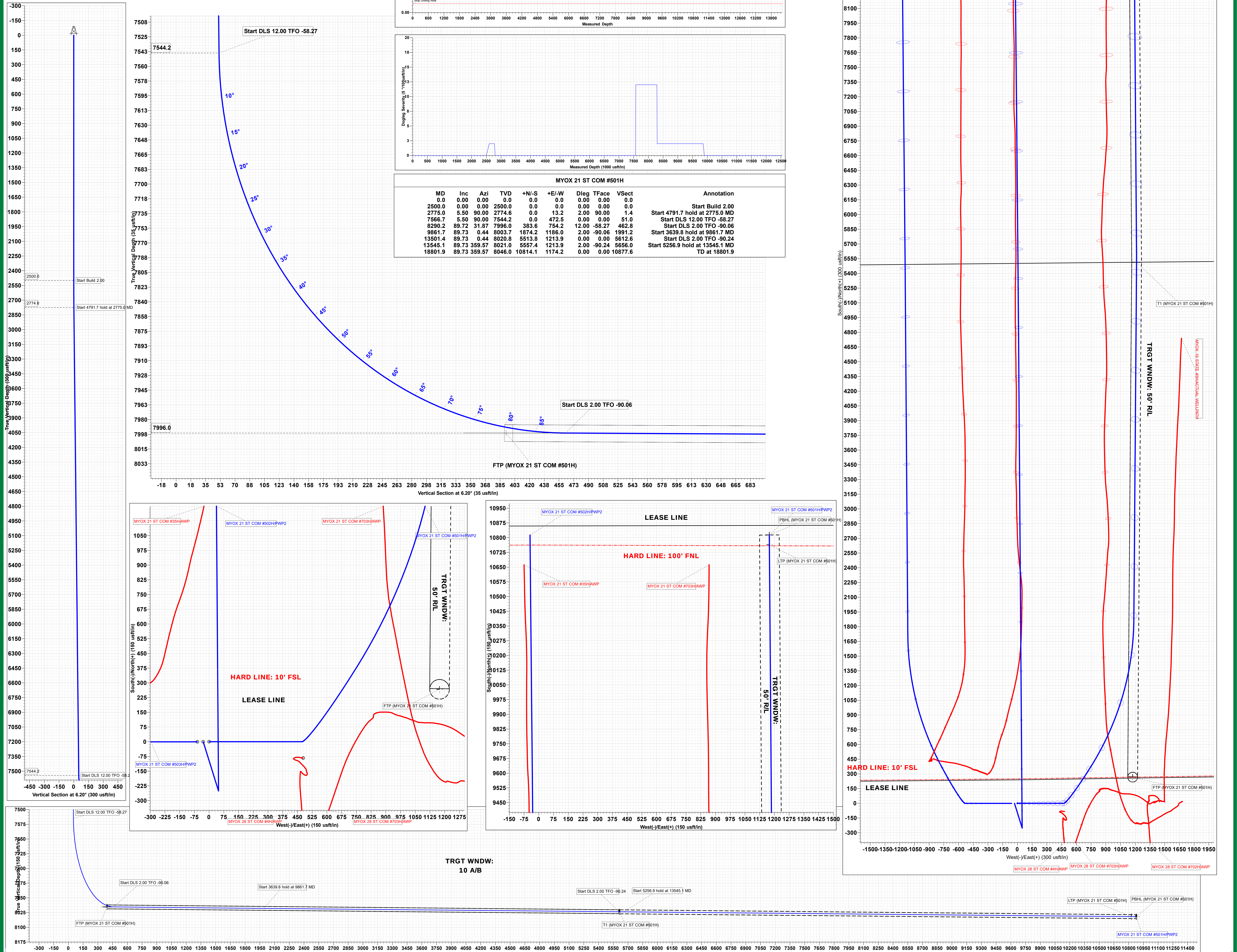
DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (MYOX 21 ST COM #501H)	7996.0	267.0	1173.7	403139.17	575924.96	32° 6' 29.190 N	104° 5' 17.240 W
T1 (MYOX 21 ST COM #501H)	8020.8	5513.8	1213.9	408385.93	575965.19	32° 7' 21.114 N	104° 5' 16.633 W
LTP (MYOX 21 ST COM #501H)	8046.0	10764.1	1174.5	413636.23	575925.81	32° 8' 13.074 N	104° 5' 16.952 W
PBHL (MYOX 21 ST COM #501H)	8046.0	10814.1	1174.2	413686.23	575925.43	32° 8' 13.569 N	104° 5' 16.955 W



MYOX 21 ST COM #501H

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSet	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start 4791.7 hold at 2775.0 MD
2775.0	5.50	90.00	2774.6	0.0	13.2	2.00	90.00	1.4	Start DLS 12.00 TFO -58.27
7566.7	5.50	90.00	7544.2	0.0	472.5	0.00	0.00	51.0	Start DLS 2.00 TFO -90.06
8290.2	89.72	31.87	7996.0	383.6	754.2	12.00	-58.27	462.8	Start 3639.8 hold at 9861.7 MD
9861.7	89.73	0.44	8003.7	1874.2	1186.0	2.00	-90.06	1991.2	Start DLS 2.00 TFO -90.24
13501.4	89.73	0.44	8020.8	5513.8	1213.9	0.00	0.00	5612.6	Start 5256.9 hold at 13545.1 MD
13545.1	89.73	359.57	8021.0	5557.4	1213.9	2.00	-90.24	5568.0	TD at 18801.9
18801.9	89.73	359.57	8046.0	10814.1	1174.2	0.00	0.00	10877.6	



Myox 21 State Com #501H

Casing and Cement

<u>String</u>	<u>Hole Size</u>	<u>Csg OD</u>	<u>PPE</u>	<u>Depth</u>	<u>Sx Cement</u>	<u>TOC</u>
Surface	17-1/2"	13-3/8"	54.5#	500'	400	0'
Intermediate 2	12-1/4"	9-5/8"	40#	2,450'	800	0'
Production	8-3/4"	5-1/2"	17#	18,802'	3,200	2,250'

Well Plan

Drill 17-1/2" hole to 500' into the Rustler. Run 13-3/8" 54.5# J55 STC casing to TD and cement to surface in one stage. Will set in Rustler and cover water depth.

Drill 12-1/4" hole to ~2,450' with Brine. Run 9-5/8" 40# J-55 casing to TD and cement to surface in one stage.

Drill 8-3/4" vertical hole, curve & lateral to 18,802' with Cut Brine. Run 5-1/2" 17# P110 BTC casing to TD and cement to 2,250' in one stage.

Well Control

After setting 13-3/8" casing and installing 3000 psi casing head, NU 13-5/8" Cameron BOP. Test annular and casing to 1500 psi and other BOP equipment to 3000 psi.

After setting 9-5/8" casing and installing 3000 psi casing spool, NU 13-5/8" Cameron BOP. Test annular to 1500 psi and other BOP equipment to 3000 psi.

COG OPERATING LLC
HYDROGEN SULFIDE DRILLING OPERATIONS PLAN

1. HYDROGEN SULFIDE TRAINING

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will receive training from a qualified instructor in the following areas prior to commencing drilling operations on this well:

- a. The hazards and characteristics of hydrogen sulfide (H₂S).
- b. The proper use and maintenance of personal protective equipment and life support systems.
- c. The proper use of H₂S detectors, alarms, warning systems, briefing areas, evacuation procedures, and prevailing winds.
- d. The proper techniques for first aid and rescue procedures.

In addition, supervisory personnel will be trained in the following areas:

- a. The effects of H₂S on metal components. If high tensile tubulars are to be used, personnel will be trained in their special maintenance requirements.
- b. Corrective action and shut-in procedures when drilling or reworking a well and blowout prevention and well control procedures.
- c. The contents and requirements of the H₂S Drilling Operations Plan and the Public Protection Plan.

There will be an initial training session just prior to encountering a known or probable H₂S zone (within 3 days or 500 feet) and weekly H₂S and well control drills for all personnel in each crew. The initial training session shall include a review of the site specific H₂S Drilling Operations Plan and the Public Protection Plan. This plan shall be available at the well site. All personnel will be required to carry documentation that they have received the proper training.

2. H₂S SAFETY EQUIPMENT AND SYSTEMS

Note: All H₂S safety equipment and systems will be installed, tested, and operational when drilling reaches a depth of 500 feet above, or three days prior to penetrating the first zone containing or reasonably expected to contain H₂S. If H₂S greater than 100 ppm is encountered in the gas stream we will shut in and install H₂S equipment.

- a. Well Control Equipment:
 - Flare line.
 - Choke manifold with remotely operated choke.
 - Blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit.
 - Auxiliary equipment to include: annular preventer, mud-gas separator, rotating head.

- b. Protective equipment for essential personnel:
Mark II Surviveair 30-minute units located in the dog house and at briefing areas.
- c. H2S detection and monitoring equipment:
2 - portable H2S monitor positioned on location for best coverage and response. These units have warning lights and audible sirens when H2S levels of 20 ppm are reached.
- d. Visual warning systems:
Caution/Danger signs shall be posted on roads providing direct access to location. Signs will be painted a high visibility yellow with black lettering of sufficient size to be readable at a reasonable distance from the immediate location. Bilingual signs will be used, when appropriate. See example attached.
- e. Mud Program:
The mud program has been designed to minimize the volume of H2S circulated to the surface.
- f. Metallurgy:
All drill strings, casings, tubing, wellhead, blowout preventers, drilling spool, kill lines, choke manifold and lines, and valves shall be suitable for H2S service.
- g. Communication:
Company vehicles equipped with cellular telephone.

COG OPERATING LLC has conducted a review to determine if an H2S contingency plan is required for the above referenced well. We were able to conclude that any potential hazardous volume would be minimal. H2S concentrations of wells in this area from surface to TD are low enough; therefore, we do not believe that an H2S contingency plan is necessary.

W A R N I N G

**YOU ARE ENTERING AN H₂S AREA
AUTHORIZED PERSONNEL ONLY**

- 1. BEARDS OR CONTACT LENSES NOT ALLOWED***
- 2. HARD HATS REQUIRED***
- 3. SMOKING IN DESIGNATED AREAS ONLY***
- 4. BE WIND CONSCIOUS AT ALL TIMES***
- 5. CK WITH COG OPERATING LLC FOREMAN AT MAIN OFFICE***

COG OPERATING LLC

1-575-748-6940

EMERGENCY CALL LIST

	<u>OFFICE</u>	<u>MOBILE</u>
COG OPERATING LLC OFFICE	575-748-6940	
SETH WILD	432-683-7443	432-528-3633
WALTER ROYE	575-748-6940	432-934-1886

EMERGENCY RESPONSE NUMBERS

	<u>OFFICE</u>
STATE POLICE	575-748-9718
EDDY COUNTY SHERIFF	575-746-2701
EMERGENCY MEDICAL SERVICES (AMBULANCE)	911 or 575-746-2701
EDDY COUNTY EMERGENCY MANAGEMENT (HARRY BURGESS)	575-887-9511
STATE EMERGENCY RESPONSE CENTER (SERC)	575-476-9620
CARLSBAD POLICE DEPARTMENT	575-885-2111
CARLSBAD FIRE DEPARTMENT	575-885-3125
NEW MEXICO OIL CONSERVATION DIVISION	575-748-1283
INDIAN FIRE & SAFETY	800-530-8693
HALLIBURTON SERVICES	800-844-8451