

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 291657

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 30-015-47995
4. Property Code 38521	5. Property Name MYOX 21 STATE COM	6. Well No. 503H

7. Surface Location

UL - Lot C	Section 28	Township 25S	Range 28E	Lot Idn C	Feet From 240	N/S Line N	Feet From 2525	E/W Line W	County Eddy
---------------	---------------	-----------------	--------------	--------------	------------------	---------------	-------------------	---------------	----------------

8. Proposed Bottom Hole Location

UL - Lot C	Section 16	Township 25S	Range 28E	Lot Idn C	Feet From 50	N/S Line N	Feet From 1485	E/W Line W	County Eddy
---------------	---------------	-----------------	--------------	--------------	-----------------	---------------	-------------------	---------------	----------------

9. Pool Information

SAN LORENZO;BONE SPRING	53600
-------------------------	-------

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 18753	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	18753	3200	2250

Casing/Cement Program: Additional Comments

--

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

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 Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, 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 503H
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	2525'	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
C	16	25-S	28-E		50'	NORTH	1485'	WEST	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=614740.60 LAT.= 32.13722414° N
Y=413738.64 LONG.= 104.09618645° W
50' FNL, 1485' FWL - SECTION 16

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=614741.05 LAT.= 32.13708670° N
Y=413688.64 LONG.= 104.09618536° W
100' FNL, 1485' FWL - SECTION 16

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=614833.56 LAT.= 32.10817142° N
Y=403170.10 LONG.= 104.09596133° W
10' FSL, 1485' FWL - SECTION 21

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=615875.48 LAT.= 32.10750334° N
Y=402929.38 LONG.= 104.09259797° W
240' FNL, 2525' 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.

Signature: Stan Wagner Date: 1/26/21

Printed Name: Stan Wagner

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.

Date of Survey: _____
Signature and Seal of Professional Surveyor: _____

GARRETT J. SMELKER
NEW MEXICO
PROFESSIONAL SURVEYOR
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 503H

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 N	Section 21	Township 25S	Range 28E	Lot	Feet 10	From N/S South	Feet 1485	From E/W West	County Eddy
Latitude 32.10817142					Longitude -104.09596133			NAD 83	

Last Take Point (LTP)

UL C	Section 16	Township 25S	Range 28E	Lot	Feet 100	From N/S North	Feet 1485	From E/W West	County Eddy
Latitude 32.13708670					Longitude -104.09618536			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 503H

KZ 06/29/2018

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

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 #503H	30-015-47995	C-28-25S-28E	0240N 2525W	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

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 APD Comments

Permit 291657

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-47995
		Well: MYOX 21 STATE COM #503H

Created By	Comment	Comment Date
------------	---------	--------------

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 APD Conditions

Permit 291657

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-47995
	Well: MYOX 21 STATE COM #503H

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	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
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

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

Myox 21 State Com #503H

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#	18,753'	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 18,753' 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.

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 21 STATE PROJECT (ATLAS 2528)

MYOX 21 ST COM #503H

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 #503H
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 #503H	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	7,461.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
7,461.0	18,753.2	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
MYOX 21 STATE PROJECT (ATLAS 2528)						
MYOX 21 ST COM #32H - OWB - AWP	8,547.9	8,007.6	900.6	884.2	54.922	CC, ES
MYOX 21 ST COM #32H - OWB - AWP	8,800.0	8,007.9	945.8	927.9	52.918	SF
MYOX 21 ST COM #33H - OWB - ACTUAL WELLPATH	8,318.2	8,023.3	340.3	324.7	21.806	CC, ES, SF
MYOX 21 ST COM #34H - OWB - AWP	8,363.3	8,001.2	75.2	60.0	4.939	CC, ES, SF
MYOX 21 ST COM #35H - OWB - AWP	7,989.6	7,917.6	310.1	295.4	21.161	CC
MYOX 21 ST COM #35H - OWB - AWP	8,000.0	7,922.6	310.2	295.4	20.988	ES
MYOX 21 ST COM #35H - OWB - AWP	8,100.0	7,962.2	323.8	307.6	20.024	SF
MYOX 21 ST COM #41H - OWB - ACTUAL WELLPATH	8,871.7	8,002.5	756.3	737.2	39.764	CC, ES
MYOX 21 ST COM #41H - OWB - ACTUAL WELLPATH	9,100.0	7,997.3	798.6	777.3	37.586	SF
MYOX 21 ST COM #501H - OWB - PWP2	2,500.0	2,500.0	60.0	47.3	4.733	CC, ES, SF
MYOX 21 ST COM #502H - OWB - PWP2	2,500.0	2,500.0	30.0	23.1	4.350	CC, ES, SF
MYOX 21 ST COM #51H - OWB - ACTUAL WELLPATH	8,969.2	7,974.1	809.7	788.2	37.588	CC, ES
MYOX 21 ST COM #51H - OWB - ACTUAL WELLPATH	9,100.0	7,970.6	823.2	800.6	36.515	SF
MYOX 28 STATE PROJECT (ATLAS 2528)						
MYOX 28 ST COM #4H - OWB - AWP	1,806.9	1,791.4	497.4	490.3	69.727	CC, ES
MYOX 28 ST COM #4H - OWB - AWP	7,400.0	7,390.3	996.2	981.4	67.341	SF

Offset Design	MYOX 21 STATE PROJECT (ATLAS 2528) - MYOX 21 ST COM #32H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program:	100-Standard Keeper 104, 8827-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		
8,175.0	7,983.2	7,993.1	7,989.4	9.4	8.6	-81.36	287.3	-1,667.0	994.9	979.5	15.45	64.380		
8,200.0	7,988.7	7,998.3	7,994.7	9.4	8.6	-83.24	287.3	-1,667.1	983.8	968.3	15.46	63.639		
8,225.0	7,993.0	8,002.2	7,998.6	9.4	8.6	-84.95	287.2	-1,667.1	973.1	957.6	15.47	62.907		
8,250.0	7,996.0	8,005.0	8,001.4	9.5	8.6	-86.50	287.2	-1,667.2	962.9	947.4	15.48	62.186		
8,275.0	7,997.6	8,006.5	8,002.9	9.5	8.6	-87.86	287.2	-1,667.2	953.3	937.8	15.51	61.477		
8,292.4	7,998.0	8,006.9	8,003.3	9.5	8.6	-88.70	287.2	-1,667.2	947.0	931.5	15.53	60.993		
8,300.0	7,998.1	8,006.9	8,003.3	9.5	8.6	-88.71	287.2	-1,667.2	944.4	928.8	15.54	60.786		
8,400.0	7,998.5	8,007.3	8,003.6	9.7	8.6	-88.75	287.2	-1,667.2	916.4	900.7	15.76	58.151		
8,500.0	7,999.0	8,007.5	8,003.9	10.1	8.6	-88.78	287.1	-1,667.2	902.3	886.1	16.14	55.903		
8,547.9	7,999.2	8,007.6	8,004.0	10.3	8.6	-88.79	287.1	-1,667.2	900.6	884.2	16.40	54.922	CC, ES	

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 #503H
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 #503H	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 #32H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8827-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
8,600.0	7,999.5	8,007.7	8,004.1	10.6	8.6	-88.80	287.1	-1,667.2	902.6	885.9	16.66	54.192	
8,700.0	8,000.0	8,007.9	8,004.2	11.2	8.6	-88.82	287.1	-1,667.2	917.3	900.1	17.25	53.169	
8,800.0	8,000.5	8,007.9	8,004.3	11.8	8.6	-88.82	287.1	-1,667.2	945.8	927.9	17.87	52.918 SF	
8,900.0	8,001.0	8,007.9	8,004.3	12.5	8.6	-88.81	287.1	-1,667.2	986.8	968.4	18.46	53.445	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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 #33H - OWB - ACTUAL WELLPATH												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8713-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	0.0	0.0	3.0	3.0	-61.97	452.4	-849.7	962.6				
100.0	100.0	94.9	94.9	3.0	3.0	-61.97	452.5	-850.0	963.0	957.0	6.00	160.495	
200.0	200.0	190.6	190.6	3.0	3.0	-61.97	453.0	-851.0	964.1	958.1	6.01	160.510	
300.0	300.0	289.7	289.6	3.0	3.0	-61.93	454.3	-851.8	965.4	959.4	6.02	160.369	
400.0	400.0	385.6	385.5	3.0	3.0	-61.88	455.7	-852.7	967.0	961.0	6.04	160.106	
500.0	500.0	477.2	477.1	3.1	3.0	-61.81	457.7	-853.9	969.2	963.1	6.06	159.806	
600.0	600.0	571.3	571.2	3.1	3.1	-61.73	460.2	-855.7	972.1	966.0	6.10	159.445	
700.0	700.0	668.4	668.2	3.1	3.1	-61.63	463.3	-857.8	975.5	969.4	6.14	158.959	
800.0	800.0	765.4	765.2	3.2	3.1	-61.52	466.8	-860.4	979.0	972.8	6.19	158.052	
900.0	900.0	869.8	869.6	3.2	3.2	-61.62	466.7	-861.8	979.6	973.3	6.24	156.980	
1,000.0	1,000.0	966.6	966.3	3.2	3.2	-61.73	464.2	-863.2	980.1	973.9	6.28	156.018	
1,100.0	1,100.0	1,096.3	1,096.0	3.3	3.2	-61.85	462.7	-864.8	980.9	974.5	6.33	154.949	
1,200.0	1,200.0	1,198.0	1,197.6	3.4	3.2	-61.98	461.0	-866.4	981.4	975.0	6.38	153.827	
1,300.0	1,300.0	1,294.3	1,293.9	3.4	3.3	-62.09	459.7	-867.9	982.2	975.8	6.44	152.615	
1,400.0	1,400.0	1,393.4	1,393.0	3.5	3.3	-62.20	458.4	-869.6	983.1	976.6	6.50	151.289	
1,500.0	1,500.0	1,493.1	1,492.6	3.5	3.3	-62.32	457.2	-871.4	984.1	977.5	6.57	149.884	
1,600.0	1,600.0	1,592.5	1,592.0	3.6	3.4	-62.43	456.0	-873.3	985.2	978.6	6.64	148.423	
1,700.0	1,700.0	1,695.8	1,695.3	3.7	3.5	-62.54	454.8	-875.1	986.3	979.6	6.72	146.862	
1,800.0	1,800.0	1,810.7	1,810.2	3.8	3.5	-62.63	453.5	-876.0	986.5	979.7	6.78	145.431	
1,900.0	1,900.0	1,916.0	1,915.5	3.9	3.5	-62.67	452.4	-875.3	985.4	978.6	6.82	144.502	
2,000.0	2,000.0	2,025.6	2,025.1	3.9	3.5	-62.69	451.1	-873.7	983.6	976.7	6.86	143.447	
2,100.0	2,100.0	2,144.5	2,143.9	4.0	3.5	-62.69	449.4	-870.3	980.4	973.5	6.90	142.088	
2,200.0	2,200.0	2,247.9	2,247.3	4.1	3.5	-62.69	447.3	-866.1	975.8	968.9	6.95	140.375	
2,300.0	2,300.0	2,320.6	2,319.9	4.2	3.5	-62.73	445.6	-864.3	972.6	965.6	7.01	138.735	
2,346.4	2,346.4	2,350.0	2,349.3	4.2	3.6	-62.77	444.8	-864.3	972.1	965.0	7.04	138.094	
2,400.0	2,400.0	2,375.0	2,374.2	4.3	3.6	-62.82	444.2	-864.9	972.7	965.6	7.07	137.537	
2,500.0	2,500.0	2,450.0	2,449.1	4.4	3.6	-63.05	442.1	-869.6	977.0	969.8	7.15	136.646	
2,600.0	2,600.0	2,530.1	2,528.7	4.5	3.7	26.58	439.2	-877.4	982.5	975.2	7.24	135.701	
2,700.0	2,699.8	2,633.0	2,631.0	4.5	3.7	26.21	435.1	-888.2	985.4	978.0	7.36	133.955	
2,775.0	2,774.6	2,724.3	2,721.7	4.5	3.8	25.92	430.2	-897.1	984.6	977.2	7.45	132.118	
2,800.0	2,799.5	2,762.4	2,759.6	4.5	3.8	25.78	427.4	-900.6	983.7	976.2	7.49	131.375	
2,900.0	2,899.0	2,869.9	2,866.1	4.6	3.9	25.24	416.8	-910.1	978.8	971.2	7.60	128.726	
3,000.0	2,998.5	2,968.4	2,963.7	4.6	4.0	24.73	406.9	-918.8	973.9	966.2	7.72	126.148	
3,100.0	3,098.1	3,068.2	3,062.7	4.6	4.1	24.23	397.2	-927.5	969.1	961.3	7.84	123.574	
3,200.0	3,197.6	3,168.6	3,162.2	4.7	4.1	23.73	387.6	-936.1	964.4	956.4	7.97	121.014	
3,300.0	3,297.2	3,271.0	3,263.8	4.7	4.2	23.23	378.0	-944.7	959.5	951.4	8.10	118.441	
3,400.0	3,396.7	3,372.1	3,364.2	4.8	4.3	22.79	369.1	-952.5	954.3	946.1	8.24	115.866	
3,500.0	3,496.2	3,473.3	3,464.7	4.9	4.4	22.36	360.5	-960.0	949.1	940.7	8.38	113.312	
3,600.0	3,595.8	3,572.1	3,563.0	4.9	4.5	21.95	352.3	-967.3	944.0	935.4	8.52	110.816	
3,700.0	3,695.3	3,672.8	3,663.1	5.0	4.6	21.53	344.1	-974.6	938.8	930.2	8.67	108.345	
3,800.0	3,794.9	3,770.8	3,760.5	5.1	4.7	21.13	336.2	-981.8	933.8	925.0	8.81	105.940	
3,900.0	3,894.4	3,869.9	3,859.0	5.1	4.8	20.73	328.4	-989.2	929.0	920.0	8.97	103.586	
4,000.0	3,993.9	3,969.0	3,957.5	5.2	4.9	20.33	320.8	-996.4	924.2	915.0	9.13	101.273	
4,100.0	4,093.5	4,069.3	4,057.3	5.3	5.0	19.94	313.1	-1,003.7	919.4	910.1	9.29	99.001	
4,200.0	4,193.0	4,169.8	4,157.3	5.3	5.1	19.53	305.5	-1,011.0	914.6	905.2	9.45	96.769	
4,300.0	4,292.6	4,268.6	4,255.5	5.4	5.2	19.13	297.9	-1,018.2	909.9	900.3	9.62	94.601	
4,400.0	4,392.1	4,368.1	4,354.4	5.5	5.3	18.72	290.2	-1,025.3	905.1	895.3	9.79	92.473	
4,500.0	4,491.6	4,472.2	4,462.0	5.6	5.4	18.29	282.1	-1,033.0	900.4	890.5	9.97	90.339	
4,600.0	4,591.2	4,585.7	4,571.1	5.7	5.5	17.97	275.2	-1,038.7	894.3	884.1	10.15	88.145	
4,700.0	4,690.7	4,683.7	4,668.8	5.8	5.6	17.75	270.1	-1,043.1	887.8	877.5	10.32	86.057	
4,800.0	4,790.3	4,788.4	4,773.3	5.8	5.7	17.54	264.9	-1,047.5	881.3	870.8	10.49	83.972	
4,900.0	4,889.8	4,900.3	4,885.1	5.9	5.8	17.48	261.5	-1,050.4	873.6	862.9	10.67	81.855	

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 #503H
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 #503H	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 #33H - OWB - ACTUAL WELLPATH												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8713-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
5,000.0	4,989.3	5,006.6	4,991.4	6.0	6.0	17.63	260.8	-1,050.9	864.7	853.9	10.84	79.769	
5,100.0	5,088.9	5,106.4	5,091.2	6.1	6.1	17.79	260.4	-1,051.2	855.7	844.7	11.01	77.747	
5,200.0	5,188.4	5,206.5	5,191.3	6.2	6.2	17.96	259.9	-1,051.4	846.7	835.5	11.16	75.848	
5,300.0	5,288.0	5,311.5	5,296.3	6.3	6.2	18.17	259.9	-1,051.1	837.2	826.0	11.29	74.150	
5,400.0	5,387.5	5,414.1	5,398.9	6.4	6.2	18.45	260.4	-1,049.9	827.2	815.8	11.42	72.433	
5,500.0	5,487.0	5,513.0	5,497.7	6.5	6.1	18.72	261.0	-1,048.7	817.1	805.6	11.55	70.740	
5,600.0	5,586.6	5,614.2	5,599.0	6.6	6.1	18.99	261.2	-1,047.4	806.9	795.2	11.68	69.067	
5,700.0	5,686.1	5,712.6	5,697.4	6.7	6.1	19.25	261.3	-1,046.2	796.8	785.0	11.81	67.441	
5,800.0	5,785.7	5,811.2	5,795.9	6.8	6.1	19.50	261.3	-1,045.2	786.8	774.8	11.95	65.839	
5,900.0	5,885.2	5,910.0	5,894.7	6.9	6.1	19.75	261.2	-1,044.3	776.8	764.7	12.09	64.264	
6,000.0	5,984.7	6,009.0	5,993.8	7.0	6.2	19.98	260.8	-1,043.5	767.0	754.8	12.23	62.716	
6,100.0	6,084.3	6,108.6	6,093.3	7.1	6.2	20.20	260.2	-1,042.9	757.2	744.8	12.38	61.173	
6,200.0	6,183.8	6,211.1	6,195.8	7.2	6.3	20.41	259.2	-1,042.1	747.1	734.6	12.53	59.608	
6,300.0	6,283.3	6,310.5	6,295.2	7.3	6.4	20.60	257.9	-1,041.3	736.9	724.2	12.69	58.073	
6,400.0	6,382.9	6,409.1	6,393.8	7.4	6.4	20.77	256.4	-1,040.6	726.8	713.9	12.85	56.566	
6,500.0	6,482.4	6,504.9	6,489.6	7.5	6.5	20.94	255.1	-1,040.2	716.9	703.9	13.01	55.120	
6,600.0	6,582.0	6,602.9	6,587.6	7.7	6.6	21.19	254.7	-1,040.0	707.6	694.4	13.17	53.734	
6,700.0	6,681.5	6,703.6	6,688.3	7.8	6.6	21.49	254.6	-1,039.4	698.1	684.8	13.34	52.348	
6,800.0	6,781.0	6,801.4	6,786.1	7.9	6.6	21.80	254.8	-1,039.0	688.8	675.3	13.50	51.006	
6,900.0	6,880.6	6,897.2	6,881.9	8.0	6.7	22.12	255.1	-1,038.9	680.0	666.3	13.68	49.714	
7,000.0	6,980.1	7,009.4	6,994.1	8.1	6.7	22.44	254.6	-1,038.4	670.5	656.6	13.87	48.330	
7,100.0	7,079.7	7,107.9	7,092.6	8.2	6.8	22.70	253.3	-1,037.0	659.9	645.9	14.05	46.982	
7,200.0	7,179.2	7,203.8	7,188.4	8.3	6.8	23.00	252.7	-1,036.1	649.9	635.7	14.22	45.712	
7,300.0	7,278.7	7,293.5	7,278.2	8.4	6.9	23.32	252.8	-1,035.6	640.7	626.3	14.38	44.552	
7,400.0	7,378.3	7,388.7	7,373.3	8.5	6.9	23.70	253.7	-1,036.4	633.0	618.5	14.56	43.490	
7,500.0	7,477.8	7,491.7	7,476.4	8.6	6.9	24.07	254.2	-1,037.2	625.2	610.5	14.72	42.482	
7,566.0	7,543.5	7,550.0	7,534.6	8.6	7.0	24.28	254.3	-1,037.8	620.1	605.3	14.75	42.026	
7,575.0	7,552.5	7,559.4	7,544.1	8.6	7.0	15.21	254.4	-1,037.9	619.4	604.6	14.76	41.953	
7,600.0	7,577.3	7,580.4	7,565.0	8.7	7.0	-1.87	254.8	-1,038.2	616.8	602.0	14.78	41.734	
7,625.0	7,601.9	7,602.7	7,587.3	8.7	7.0	-11.57	255.4	-1,038.6	613.4	598.6	14.80	41.442	
7,650.0	7,626.4	7,626.4	7,611.0	8.7	7.0	-17.67	256.2	-1,039.0	609.0	594.2	14.83	41.076	
7,675.0	7,650.5	7,650.2	7,634.8	8.7	7.0	-21.98	256.9	-1,039.5	603.7	588.8	14.85	40.642	
7,700.0	7,674.3	7,675.0	7,659.6	8.7	7.0	-25.35	257.7	-1,039.9	597.4	582.5	14.88	40.135	
7,725.0	7,697.7	7,697.4	7,682.0	8.7	7.0	-28.17	258.4	-1,040.4	590.1	575.2	14.91	39.574	
7,750.0	7,720.6	7,721.2	7,705.8	8.8	7.0	-30.75	259.2	-1,040.8	582.0	567.1	14.94	38.944	
7,775.0	7,743.0	7,744.2	7,728.8	8.8	7.0	-33.22	259.9	-1,041.3	573.0	558.0	14.98	38.257	
7,800.0	7,764.7	7,766.6	7,751.2	8.8	7.0	-35.67	260.6	-1,041.7	563.1	548.1	15.01	37.517	
7,825.0	7,785.8	7,788.6	7,773.1	8.8	7.0	-38.18	261.4	-1,042.1	552.4	537.4	15.04	36.726	
7,850.0	7,806.2	7,811.0	7,795.5	8.9	7.0	-40.85	262.1	-1,042.5	541.1	526.0	15.08	35.883	
7,875.0	7,825.8	7,834.2	7,818.6	8.9	7.0	-43.76	262.9	-1,042.7	528.9	513.8	15.12	34.986	
7,900.0	7,844.5	7,856.6	7,841.0	9.0	7.0	-46.88	263.7	-1,042.8	516.2	501.0	15.16	34.046	
7,925.0	7,862.4	7,876.6	7,861.0	9.0	7.0	-50.13	264.4	-1,042.8	502.8	487.6	15.20	33.088	
7,950.0	7,879.4	7,894.6	7,879.0	9.0	7.0	-53.49	265.1	-1,042.8	489.1	473.9	15.23	32.119	
7,975.0	7,895.3	7,912.1	7,896.6	9.1	7.0	-57.07	265.7	-1,042.7	475.1	459.8	15.26	31.135	
8,000.0	7,910.3	7,928.5	7,912.9	9.1	7.0	-60.78	266.3	-1,042.6	460.9	445.6	15.29	30.150	
8,025.0	7,924.1	7,942.9	7,927.3	9.1	7.0	-64.48	266.8	-1,042.5	446.7	431.4	15.31	29.181	
8,050.0	7,936.9	7,956.2	7,940.6	9.2	7.0	-68.18	267.3	-1,042.4	432.7	417.4	15.33	28.231	
8,075.0	7,948.6	7,968.1	7,952.5	9.2	7.0	-71.79	267.7	-1,042.3	419.0	403.7	15.34	27.309	
8,100.0	7,959.0	7,979.2	7,963.6	9.3	7.0	-75.30	268.1	-1,042.2	405.8	390.5	15.36	26.423	
8,125.0	7,968.3	7,989.5	7,973.9	9.3	7.0	-78.65	268.5	-1,042.1	393.3	377.9	15.38	25.579	
8,150.0	7,976.4	7,998.5	7,982.9	9.3	7.1	-81.71	268.8	-1,042.1	381.6	366.2	15.39	24.794	
8,175.0	7,983.2	8,005.8	7,990.1	9.4	7.1	-84.33	269.0	-1,042.0	371.0	355.6	15.41	24.083	

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 #503H
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 #503H	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 #33H - OWB - ACTUAL WELLPATH													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 8713-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 Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
8,200.0	7,988.7	8,011.7	7,996.0	9.4	7.1	-86.56	269.2	-1,041.9	361.7	346.3	15.42	23.453		
8,225.0	7,993.0	8,016.3	8,000.7	9.4	7.1	-88.36	269.3	-1,041.9	353.9	338.5	15.45	22.913		
8,250.0	7,996.0	8,019.7	8,004.1	9.5	7.1	-89.72	269.4	-1,041.9	347.7	332.2	15.47	22.471		
8,275.0	7,997.6	8,021.9	8,006.2	9.5	7.1	-90.63	269.5	-1,041.9	343.3	327.8	15.51	22.134		
8,292.4	7,998.0	8,022.6	8,007.0	9.5	7.1	-90.99	269.5	-1,041.9	341.4	325.8	15.54	21.966		
8,300.0	7,998.1	8,022.8	8,007.2	9.5	7.1	-91.03	269.5	-1,041.9	340.8	325.3	15.56	21.911		
8,318.2	7,998.2	8,023.3	8,007.6	9.6	7.1	-91.11	269.5	-1,041.9	340.3	324.7	15.61	21.806	CC, ES, SF	
8,400.0	7,998.5	8,025.5	8,009.8	9.7	7.1	-91.49	269.6	-1,041.9	351.1	335.3	15.82	22.189		
8,500.0	7,999.0	8,028.3	8,012.6	10.1	7.1	-92.00	269.7	-1,041.8	390.8	374.7	16.11	24.261		
8,600.0	7,999.5	8,031.1	8,015.5	10.6	7.1	-92.57	269.8	-1,041.8	452.2	435.9	16.32	27.710		
8,700.0	8,000.0	8,034.0	8,018.4	11.2	7.1	-93.22	269.9	-1,041.8	527.7	511.3	16.46	32.070		
8,800.0	8,000.5	8,037.0	8,021.3	11.8	7.1	-93.99	269.9	-1,041.8	612.1	595.6	16.54	36.998		
8,900.0	8,001.0	8,039.9	8,024.3	12.5	7.1	-94.91	270.0	-1,041.8	702.1	685.4	16.61	42.273		
9,000.0	8,001.4	8,042.9	8,027.3	13.2	7.1	-96.09	270.1	-1,041.7	795.6	778.9	16.66	47.761		
9,100.0	8,001.9	8,046.0	8,030.3	13.9	7.1	-97.64	270.2	-1,041.7	891.5	874.8	16.70	53.375		
9,200.0	8,002.4	8,049.0	8,033.4	14.6	7.1	-99.82	270.3	-1,041.7	989.0	972.3	16.75	59.062		

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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		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	2.9	2.9	3.0	3.0	-61.09	452.7	-819.7	936.4				
100.0	100.0	102.6	102.6	3.0	3.0	-61.06	453.1	-819.5	936.4	930.4	6.00	156.057	
200.0	200.0	216.0	216.0	3.0	3.0	-61.00	453.6	-818.3	935.7	929.7	6.00	155.837	
300.0	300.0	316.2	316.2	3.0	3.0	-60.94	453.7	-816.6	934.3	928.2	6.02	155.301	
400.0	400.0	412.2	412.2	3.0	3.0	-60.89	453.9	-815.2	933.1	927.1	6.03	154.651	
500.0	500.0	509.4	509.3	3.1	3.1	-60.83	454.4	-813.9	932.2	926.2	6.06	153.927	
560.8	560.8	563.7	563.7	3.1	3.1	-60.79	454.8	-813.5	931.9	925.9	6.07	153.534	
600.0	600.0	598.0	598.0	3.1	3.1	-60.77	455.1	-813.4	932.1	926.0	6.08	153.374	
700.0	700.0	691.1	691.1	3.1	3.1	-60.76	455.7	-813.9	932.9	926.8	6.09	153.115	
800.0	800.0	785.6	785.5	3.2	3.1	-60.93	453.9	-816.7	934.5	928.4	6.12	152.795	
900.0	900.0	886.3	886.0	3.2	3.1	-61.22	450.7	-820.6	936.3	930.2	6.15	152.346	
1,000.0	1,000.0	1,003.7	1,003.4	3.2	3.1	-61.42	448.3	-823.0	937.2	931.0	6.18	151.548	
1,100.0	1,100.0	1,112.5	1,112.2	3.3	3.1	-61.37	448.7	-822.0	936.5	930.3	6.23	150.350	
1,200.0	1,200.0	1,211.9	1,211.5	3.4	3.1	-61.29	449.4	-820.6	935.6	929.3	6.28	149.034	
1,300.0	1,300.0	1,312.5	1,312.2	3.4	3.2	-61.21	450.1	-819.1	934.6	928.3	6.33	147.614	
1,400.0	1,400.0	1,412.9	1,412.6	3.5	3.2	-61.13	450.7	-817.5	933.6	927.2	6.39	146.079	
1,500.0	1,500.0	1,514.0	1,513.6	3.5	3.3	-61.05	451.3	-815.8	932.4	925.9	6.46	144.422	
1,571.7	1,571.7	1,575.0	1,574.6	3.6	3.3	-61.01	451.6	-815.0	931.8	925.3	6.50	143.361	
1,600.0	1,600.0	1,600.0	1,599.6	3.6	3.3	-61.01	451.6	-815.1	931.9	925.4	6.51	143.071	
1,700.0	1,700.0	1,696.1	1,695.8	3.7	3.3	-61.04	451.5	-815.9	932.6	926.0	6.56	142.113	
1,800.0	1,800.0	1,815.4	1,815.1	3.8	3.3	-61.06	451.2	-816.0	932.6	925.9	6.63	140.635	
1,900.0	1,900.0	1,925.3	1,924.9	3.9	3.3	-61.05	450.4	-814.2	930.7	924.0	6.72	138.557	
2,000.0	2,000.0	2,027.0	2,026.6	3.9	3.4	-61.04	449.2	-811.8	928.1	921.3	6.81	136.338	
2,100.0	2,100.0	2,126.0	2,125.5	4.0	3.4	-61.10	447.3	-810.1	925.7	918.8	6.90	134.151	
2,200.0	2,200.0	2,228.5	2,228.0	4.1	3.5	-61.16	445.0	-808.1	922.9	915.9	7.00	131.844	
2,287.2	2,287.2	2,290.6	2,290.1	4.2	3.5	-61.16	444.6	-807.4	921.7	914.7	7.07	130.287	
2,300.0	2,300.0	2,300.0	2,299.5	4.2	3.5	-61.15	444.7	-807.4	921.8	914.7	7.08	130.108	
2,400.0	2,400.0	2,369.6	2,369.1	4.3	3.5	-61.19	444.9	-809.0	923.9	916.7	7.14	129.429	
2,500.0	2,500.0	2,467.5	2,466.9	4.4	3.5	-61.32	445.0	-813.4	927.8	920.6	7.20	128.894	
2,600.0	2,600.0	2,565.2	2,564.5	4.5	3.5	28.58	445.1	-817.8	930.4	923.1	7.27	127.937	
2,700.0	2,699.8	2,684.5	2,683.7	4.5	3.6	28.71	445.7	-821.4	928.6	921.2	7.37	126.063	
2,775.0	2,774.6	2,761.1	2,760.2	4.5	3.6	28.91	446.0	-822.9	924.6	917.2	7.44	124.294	
2,800.0	2,799.5	2,785.7	2,784.9	4.5	3.6	28.98	446.2	-823.4	923.0	915.5	7.46	123.659	
2,900.0	2,899.0	2,884.6	2,883.7	4.6	3.6	29.23	446.7	-825.2	916.5	908.9	7.57	121.103	
3,000.0	2,998.5	2,995.5	2,994.6	4.6	3.6	29.52	447.1	-827.2	909.9	902.2	7.68	118.427	
3,100.0	3,098.1	3,105.2	3,104.3	4.6	3.7	29.80	446.3	-827.5	901.4	893.6	7.81	115.419	
3,200.0	3,197.6	3,204.4	3,203.5	4.7	3.7	30.07	445.6	-827.5	892.7	884.8	7.94	112.472	
3,300.0	3,297.2	3,304.4	3,303.6	4.7	3.8	30.34	444.9	-827.4	884.0	876.0	8.07	109.548	
3,400.0	3,396.7	3,404.5	3,403.6	4.8	3.8	30.62	444.2	-827.4	875.4	867.2	8.20	106.692	
3,500.0	3,496.2	3,502.0	3,501.1	4.9	3.9	30.90	443.5	-827.3	866.7	858.4	8.34	103.883	
3,600.0	3,595.8	3,603.4	3,602.5	4.9	3.9	31.18	442.6	-827.4	858.1	849.6	8.49	101.127	
3,700.0	3,695.3	3,705.9	3,705.0	5.0	4.0	31.46	441.5	-827.4	849.4	840.7	8.63	98.408	
3,800.0	3,794.9	3,805.5	3,804.6	5.1	4.1	31.73	440.3	-827.3	840.5	831.7	8.78	95.734	
3,900.0	3,894.4	3,905.1	3,904.2	5.1	4.1	32.01	439.0	-827.1	831.4	822.5	8.93	93.094	
4,000.0	3,993.9	4,004.2	4,003.3	5.2	4.2	32.29	437.7	-827.0	822.6	813.5	9.08	90.547	
4,100.0	4,093.5	4,093.7	4,092.8	5.3	4.2	32.61	437.7	-827.0	814.4	805.2	9.23	88.273	
4,200.0	4,193.0	4,191.9	4,191.0	5.3	4.3	33.02	438.5	-827.2	807.0	797.6	9.36	86.225	
4,300.0	4,292.6	4,292.3	4,291.4	5.4	4.3	33.44	439.4	-827.4	799.6	790.1	9.50	84.198	
4,400.0	4,392.1	4,391.6	4,390.7	5.5	4.3	33.86	440.2	-827.5	792.1	782.5	9.64	82.209	
4,500.0	4,491.6	4,489.8	4,488.9	5.6	4.3	34.28	440.9	-827.9	784.9	775.1	9.78	80.293	
4,600.0	4,591.2	4,588.3	4,587.4	5.7	4.4	34.74	442.1	-828.1	777.9	767.9	9.92	78.409	
4,700.0	4,690.7	4,686.4	4,685.4	5.8	4.4	35.18	443.1	-828.5	771.0	760.9	10.07	76.590	

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 #503H
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 #503H	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
4,800.0	4,790.3	4,784.7	4,783.8	5.8	4.5	35.62	444.3	-829.2	764.4	754.2	10.21	74.831	
4,900.0	4,889.8	4,883.6	4,882.6	5.9	4.5	36.07	445.3	-830.1	757.9	747.5	10.37	73.111	
5,000.0	4,989.3	4,982.2	4,981.2	6.0	4.6	36.51	446.3	-831.0	751.6	741.1	10.52	71.436	
5,100.0	5,088.9	5,091.8	5,090.8	6.1	4.6	36.99	447.0	-832.0	745.0	734.3	10.69	69.723	
5,200.0	5,188.4	5,199.1	5,198.1	6.2	4.7	37.45	446.4	-831.8	736.8	725.9	10.85	67.922	
5,300.0	5,288.0	5,298.4	5,297.4	6.3	4.7	37.86	445.4	-831.4	728.3	717.3	11.01	66.172	
5,400.0	5,387.5	5,398.0	5,397.0	6.4	4.8	38.28	444.4	-831.0	719.8	708.6	11.17	64.457	
5,500.0	5,487.0	5,497.8	5,496.8	6.5	4.9	38.71	443.2	-830.7	711.3	700.0	11.33	62.781	
5,600.0	5,586.6	5,597.8	5,596.8	6.6	4.9	39.13	442.0	-830.5	702.9	691.4	11.50	61.142	
5,700.0	5,686.1	5,697.5	5,696.5	6.7	5.0	39.56	440.7	-830.2	694.4	682.7	11.66	59.535	
5,800.0	5,785.7	5,796.1	5,795.1	6.8	5.1	39.99	439.3	-830.0	686.0	674.2	11.83	57.980	
5,900.0	5,885.2	5,896.0	5,895.0	6.9	5.1	40.43	438.0	-829.8	677.6	665.6	12.00	56.458	
6,000.0	5,984.7	5,993.9	5,992.9	7.0	5.2	40.88	436.7	-829.5	669.4	657.2	12.17	54.984	
6,100.0	6,084.3	6,085.1	6,084.0	7.1	5.3	41.47	437.5	-828.8	662.1	649.8	12.33	53.696	
6,200.0	6,183.8	6,184.3	6,183.2	7.2	5.3	42.23	439.6	-827.6	655.4	643.0	12.49	52.479	
6,300.0	6,283.3	6,282.9	6,281.8	7.3	5.3	43.04	442.0	-826.2	649.0	636.4	12.65	51.315	
6,400.0	6,382.9	6,381.6	6,380.4	7.4	5.4	43.87	444.7	-824.8	642.8	630.0	12.80	50.206	
6,500.0	6,482.4	6,479.9	6,478.7	7.5	5.4	44.72	447.4	-823.5	636.9	624.0	12.96	49.153	
6,600.0	6,582.0	6,588.5	6,587.2	7.7	5.5	45.66	450.1	-822.0	631.0	617.9	13.12	48.087	
6,700.0	6,681.5	6,697.9	6,696.6	7.8	5.6	46.49	450.0	-819.7	622.8	609.5	13.30	46.813	
6,800.0	6,781.0	6,798.8	6,797.5	7.9	5.6	47.23	449.1	-817.7	614.2	600.7	13.48	45.568	
6,900.0	6,880.6	6,902.1	6,900.8	8.0	5.7	47.97	447.5	-815.5	605.1	591.5	13.66	44.302	
7,000.0	6,980.1	6,997.8	6,996.4	8.1	5.8	48.62	445.5	-813.7	595.9	582.1	13.83	43.096	
7,100.0	7,079.7	7,094.3	7,092.9	8.2	5.9	49.24	443.8	-813.0	587.8	573.8	14.00	41.990	
7,200.0	7,179.2	7,194.3	7,192.8	8.3	5.9	49.88	441.9	-812.4	579.8	565.6	14.18	40.899	
7,300.0	7,278.7	7,293.0	7,291.6	8.4	6.0	50.53	440.0	-811.9	571.7	557.4	14.35	39.838	
7,400.0	7,378.3	7,393.2	7,391.7	8.5	6.1	51.16	437.8	-811.7	563.8	549.3	14.53	38.805	
7,500.0	7,477.8	7,491.1	7,489.6	8.6	6.2	51.67	435.0	-812.4	556.1	541.4	14.67	37.908	
7,566.0	7,543.5	7,550.0	7,548.4	8.6	6.2	51.95	433.3	-813.4	551.4	536.7	14.70	37.506	
7,575.0	7,552.5	7,556.8	7,555.3	8.6	6.2	42.91	433.2	-813.6	550.8	536.1	14.71	37.456	
7,600.0	7,577.3	7,579.0	7,577.4	8.7	6.2	26.01	432.9	-814.1	548.3	533.6	14.72	37.244	
7,625.0	7,601.9	7,601.9	7,600.3	8.7	6.2	16.57	432.6	-814.7	544.6	529.9	14.74	36.941	
7,650.0	7,626.4	7,625.0	7,623.4	8.7	6.2	10.81	432.3	-815.4	539.7	524.9	14.77	36.548	
7,675.0	7,650.5	7,648.3	7,646.6	8.7	6.3	6.96	432.1	-816.1	533.6	518.8	14.79	36.068	
7,700.0	7,674.3	7,671.7	7,670.0	8.7	6.3	4.17	431.9	-816.9	526.3	511.5	14.83	35.501	
7,725.0	7,697.7	7,695.2	7,693.6	8.7	6.3	2.02	431.7	-817.6	517.8	503.0	14.86	34.847	
7,750.0	7,720.6	7,717.4	7,715.8	8.8	6.3	0.25	431.6	-818.3	508.1	493.2	14.90	34.113	
7,775.0	7,743.0	7,738.7	7,737.0	8.8	6.3	-1.26	431.5	-819.0	497.3	482.4	14.93	33.304	
7,800.0	7,764.7	7,759.5	7,757.8	8.8	6.3	-2.63	431.5	-819.7	485.4	470.5	14.97	32.423	
7,825.0	7,785.8	7,779.9	7,778.2	8.8	6.3	-3.92	431.6	-820.3	472.5	457.5	15.01	31.471	
7,850.0	7,806.2	7,800.0	7,798.3	8.9	6.3	-5.19	431.7	-820.9	458.5	443.4	15.06	30.451	
7,875.0	7,825.8	7,820.3	7,818.6	8.9	6.3	-6.51	431.8	-821.5	443.5	428.4	15.10	29.362	
7,900.0	7,844.5	7,839.5	7,837.8	9.0	6.4	-7.92	431.9	-822.1	427.5	412.3	15.15	28.211	
7,925.0	7,862.4	7,857.8	7,856.1	9.0	6.4	-9.48	431.9	-822.6	410.5	395.3	15.20	27.003	
7,950.0	7,879.4	7,875.4	7,873.6	9.0	6.4	-11.24	432.0	-823.2	392.7	377.4	15.25	25.741	
7,975.0	7,895.3	7,891.8	7,890.1	9.1	6.4	-13.28	432.0	-823.7	374.0	358.7	15.31	24.432	
8,000.0	7,910.3	7,907.2	7,905.5	9.1	6.4	-15.68	432.1	-824.2	354.5	339.1	15.36	23.082	
8,025.0	7,924.1	7,921.4	7,919.7	9.1	6.4	-18.55	432.1	-824.6	334.3	318.9	15.41	21.695	
8,050.0	7,936.9	7,934.8	7,933.1	9.2	6.4	-22.06	432.1	-825.0	313.5	298.1	15.46	20.276	
8,075.0	7,948.6	7,947.1	7,945.3	9.2	6.4	-26.37	432.1	-825.4	292.2	276.6	15.51	18.831	
8,100.0	7,959.0	7,958.1	7,956.4	9.3	6.4	-31.66	432.1	-825.8	270.3	254.8	15.57	17.366	
8,125.0	7,968.3	7,967.9	7,966.2	9.3	6.4	-38.10	432.1	-826.0	248.1	232.5	15.62	15.889	

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 #503H
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 #503H	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						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	
8,150.0	7,976.4	7,976.4	7,974.7	9.3	6.4	-45.70	432.1	-826.3	225.7	210.0	15.66	14.407	
8,175.0	7,983.2	7,983.6	7,981.9	9.4	6.4	-54.27	432.1	-826.5	203.1	187.4	15.71	12.929	
8,200.0	7,988.7	7,989.5	7,987.8	9.4	6.4	-63.26	432.1	-826.7	180.6	164.9	15.75	11.467	
8,225.0	7,993.0	7,994.1	7,992.4	9.4	6.4	-71.86	432.1	-826.8	158.4	142.7	15.79	10.037	
8,250.0	7,996.0	7,997.4	7,995.7	9.5	6.4	-79.26	432.0	-826.9	137.0	121.2	15.81	8.664	
8,275.0	7,997.6	7,999.4	7,997.7	9.5	6.4	-84.92	432.0	-826.9	116.8	101.0	15.81	7.385	
8,292.4	7,998.0	8,000.0	7,998.3	9.5	6.4	-87.68	432.0	-827.0	103.9	88.1	15.79	6.582	
8,300.0	7,998.1	8,000.2	7,998.4	9.5	6.4	-87.78	432.0	-827.0	98.8	83.0	15.77	6.266	
8,363.3	7,998.4	8,001.2	7,999.4	9.7	6.4	-88.58	432.0	-827.0	75.2	60.0	15.23	4.939 CC, ES, SF	
8,400.0	7,998.5	8,001.8	8,000.0	9.7	6.4	-89.02	432.0	-827.0	83.9	69.0	14.92	5.625	
8,500.0	7,999.0	8,003.3	8,001.5	10.1	6.4	-90.21	432.0	-827.1	157.6	142.5	15.11	10.433	
8,600.0	7,999.5	8,004.7	8,003.0	10.6	6.4	-91.52	432.0	-827.1	251.3	236.0	15.29	16.429	
8,700.0	8,000.0	8,006.1	8,004.4	11.2	6.4	-93.26	432.0	-827.1	349.1	333.7	15.40	22.675	
8,800.0	8,000.5	8,007.4	8,005.7	11.8	6.4	-96.17	432.0	-827.2	448.3	432.9	15.47	28.989	
8,900.0	8,001.0	8,008.7	8,006.9	12.5	6.4	-103.42	432.0	-827.2	548.1	532.6	15.52	35.315	
9,000.0	8,001.4	8,009.8	8,008.1	13.2	6.4	-155.75	432.0	-827.2	648.0	632.5	15.57	41.630	
9,100.0	8,001.9	8,010.9	8,009.2	13.9	6.4	110.56	432.0	-827.3	748.0	732.4	15.61	47.917	
9,200.0	8,002.4	8,011.9	8,010.2	14.6	6.4	100.36	432.0	-827.3	847.9	832.3	15.65	54.168	
9,300.0	8,002.9	8,012.9	8,011.1	15.4	6.4	97.01	432.0	-827.3	947.7	932.0	15.70	60.376	

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 #503H
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 #503H	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	
0.0	0.0	3.5	3.5	3.0	3.0	-60.16	453.0	-789.7	910.4				
100.0	100.0	100.0	100.0	3.0	3.0	-60.15	453.2	-789.8	910.6	904.6	6.00	151.756	
200.0	200.0	199.2	199.2	3.0	3.0	-60.15	453.5	-790.1	911.0	905.0	6.01	151.658	
300.0	300.0	296.3	296.3	3.0	3.0	-60.16	453.6	-790.9	911.7	905.7	6.02	151.429	
400.0	400.0	396.9	396.9	3.0	3.0	-60.19	453.6	-791.7	912.5	906.5	6.04	151.015	
500.0	500.0	496.4	496.3	3.1	3.0	-60.20	453.8	-792.5	913.3	907.2	6.07	150.403	
600.0	600.0	597.2	597.2	3.1	3.1	-60.23	453.9	-793.3	914.0	907.9	6.11	149.614	
700.0	700.0	699.9	699.9	3.1	3.1	-60.25	453.9	-794.1	914.7	908.5	6.15	148.669	
800.0	800.0	804.1	804.0	3.2	3.1	-60.29	453.3	-794.6	914.8	908.6	6.18	147.905	
900.0	900.0	906.0	905.9	3.2	3.1	-60.33	452.8	-794.8	914.7	908.5	6.21	147.191	
1,000.0	1,000.0	1,021.8	1,021.8	3.2	3.2	-60.37	451.4	-793.8	913.3	907.1	6.23	146.555	
1,100.0	1,100.0	1,120.7	1,120.6	3.3	3.2	-60.41	450.0	-792.4	911.4	905.2	6.26	145.676	
1,200.0	1,200.0	1,220.8	1,220.7	3.4	3.2	-60.44	448.7	-791.0	909.5	903.3	6.29	144.642	
1,300.0	1,300.0	1,321.8	1,321.7	3.4	3.2	-60.41	448.1	-789.0	907.6	901.3	6.33	143.434	
1,400.0	1,400.0	1,423.1	1,423.0	3.5	3.2	-60.36	447.8	-786.9	905.6	899.2	6.37	142.055	
1,500.0	1,500.0	1,524.2	1,524.0	3.5	3.2	-60.31	447.4	-784.6	903.4	897.0	6.43	140.520	
1,600.0	1,600.0	1,626.0	1,625.8	3.6	3.2	-60.25	447.0	-782.0	901.0	894.5	6.49	138.819	
1,700.0	1,700.0	1,728.8	1,728.6	3.7	3.2	-60.18	446.6	-779.2	898.4	891.9	6.56	136.984	
1,800.0	1,800.0	1,847.3	1,846.9	3.8	3.3	-60.06	446.0	-774.4	894.7	888.1	6.64	134.804	
1,900.0	1,900.0	1,943.7	1,943.3	3.9	3.3	-59.94	445.3	-769.3	889.8	883.0	6.72	132.428	
2,000.0	2,000.0	2,042.7	2,042.2	3.9	3.4	-59.88	444.1	-765.4	885.7	878.9	6.81	130.123	
2,100.0	2,100.0	2,142.3	2,141.7	4.0	3.4	-59.82	442.6	-761.1	881.3	874.3	6.90	127.695	
2,200.0	2,200.0	2,232.3	2,231.6	4.1	3.4	-59.78	441.5	-757.7	877.4	870.4	7.00	125.388	
2,300.0	2,300.0	2,309.8	2,309.1	4.2	3.5	-59.78	440.9	-756.7	875.8	868.7	7.09	123.515	
2,400.0	2,400.0	2,407.2	2,406.5	4.3	3.5	-59.81	440.2	-756.6	875.3	868.1	7.19	121.751	
2,500.0	2,500.0	2,507.5	2,506.7	4.4	3.6	-59.86	439.4	-756.7	875.0	867.7	7.29	120.095	
2,600.0	2,600.0	2,607.9	2,607.1	4.5	3.7	30.16	438.4	-756.8	873.1	865.7	7.39	118.134	
2,700.0	2,699.8	2,707.9	2,707.2	4.5	3.7	30.31	437.2	-757.0	868.2	860.7	7.51	115.619	
2,775.0	2,774.6	2,782.8	2,782.0	4.5	3.8	30.53	436.4	-757.1	862.5	854.9	7.60	113.458	
2,800.0	2,799.5	2,806.5	2,805.8	4.5	3.8	30.59	436.2	-757.1	860.3	852.7	7.63	112.723	
2,900.0	2,899.0	2,901.0	2,900.2	4.6	3.8	30.87	435.8	-757.4	852.1	844.4	7.74	110.109	
3,000.0	2,998.5	2,999.7	2,998.9	4.6	3.9	31.17	435.6	-757.9	844.2	836.4	7.84	107.723	
3,100.0	3,098.1	3,116.2	3,115.4	4.6	3.9	31.59	435.7	-757.4	835.8	827.8	7.96	104.971	
3,200.0	3,197.6	3,259.7	3,258.7	4.7	4.0	32.31	435.1	-750.6	823.3	815.2	8.15	101.078	
3,300.0	3,297.2	3,393.3	3,391.6	4.7	4.0	33.23	433.5	-736.9	806.0	797.7	8.33	96.720	
3,400.0	3,396.7	3,510.4	3,507.6	4.8	4.1	34.18	431.0	-721.0	785.5	777.0	8.52	92.213	
3,500.0	3,496.2	3,610.8	3,606.8	4.9	4.2	35.07	428.4	-706.0	763.9	755.2	8.70	87.848	
3,600.0	3,595.8	3,709.6	3,704.4	4.9	4.3	36.02	425.9	-690.9	742.1	733.3	8.88	83.612	
3,700.0	3,695.3	3,808.0	3,801.6	5.0	4.3	37.03	423.3	-675.5	720.3	711.3	9.06	79.513	
3,800.0	3,794.9	3,904.5	3,896.9	5.1	4.4	38.10	421.0	-660.3	698.7	689.4	9.24	75.582	
3,900.0	3,894.4	4,000.9	3,992.0	5.1	4.5	39.24	418.7	-645.0	677.3	667.8	9.43	71.810	
4,000.0	3,993.9	4,095.8	4,085.7	5.2	4.6	40.43	416.4	-630.1	656.3	646.7	9.62	68.233	
4,100.0	4,093.5	4,183.4	4,172.4	5.3	4.6	41.56	414.6	-617.3	636.6	626.8	9.80	64.976	
4,200.0	4,193.0	4,281.0	4,269.0	5.3	4.7	42.85	412.7	-603.7	617.8	607.8	9.99	61.861	
4,300.0	4,292.6	4,377.1	4,364.1	5.4	4.8	44.20	410.9	-590.3	599.3	589.1	10.17	58.903	
4,400.0	4,392.1	4,466.6	4,452.9	5.5	4.9	45.45	409.1	-579.1	582.1	571.7	10.35	56.225	
4,500.0	4,491.6	4,561.8	4,547.5	5.6	5.0	46.75	407.1	-568.2	566.0	555.4	10.54	53.716	
4,600.0	4,591.2	4,658.5	4,643.6	5.7	5.1	48.09	404.8	-557.8	550.4	539.7	10.72	51.351	
4,700.0	4,690.7	4,755.7	4,740.3	5.8	5.2	49.45	402.3	-547.9	535.4	524.5	10.90	49.111	
4,800.0	4,790.3	4,851.4	4,835.5	5.8	5.3	50.79	399.7	-538.9	521.0	509.9	11.08	47.029	
4,900.0	4,889.8	4,947.3	4,931.0	5.9	5.4	52.17	397.1	-530.2	507.2	496.0	11.25	45.079	
5,000.0	4,989.3	5,044.9	5,028.1	6.0	5.4	53.65	394.7	-521.7	494.2	482.8	11.42	43.262	

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 #503H
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 #503H	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	
5,100.0	5,088.9	5,144.2	5,127.0	6.1	5.5	55.24	392.4	-512.9	481.5	469.9	11.59	41.541	
5,200.0	5,188.4	5,247.9	5,230.2	6.2	5.7	57.06	389.5	-502.8	468.3	456.6	11.76	39.824	
5,300.0	5,288.0	5,349.0	5,330.7	6.3	5.8	59.05	386.6	-491.9	455.0	443.0	11.92	38.181	
5,400.0	5,387.5	5,448.5	5,429.4	6.4	5.9	61.23	383.5	-480.1	441.5	429.4	12.06	36.611	
5,500.0	5,487.0	5,545.9	5,526.1	6.5	6.0	63.43	380.4	-468.9	428.7	416.5	12.19	35.168	
5,600.0	5,586.6	5,644.4	5,623.9	6.6	6.1	65.70	376.6	-458.0	416.3	404.0	12.31	33.813	
5,700.0	5,686.1	5,742.9	5,721.8	6.7	6.2	68.10	372.8	-447.2	404.5	392.0	12.42	32.559	
5,800.0	5,785.7	5,836.2	5,814.5	6.8	6.3	70.40	369.1	-437.5	393.6	381.1	12.51	31.455	
5,900.0	5,885.2	5,933.2	5,911.1	6.9	6.4	72.66	365.7	-429.6	384.6	372.0	12.60	30.515	
6,000.0	5,984.7	6,032.3	6,009.8	7.0	6.5	75.06	362.2	-421.4	376.1	363.4	12.69	29.649	
6,100.0	6,084.3	6,126.7	6,103.9	7.1	6.6	77.38	358.9	-414.1	368.6	355.8	12.75	28.904	
6,200.0	6,183.8	6,225.5	6,202.5	7.2	6.7	79.54	355.9	-409.0	362.6	349.8	12.83	28.271	
6,300.0	6,283.3	6,326.5	6,303.3	7.3	6.8	81.81	352.4	-403.6	356.7	343.8	12.90	27.656	
6,400.0	6,382.9	6,425.0	6,401.6	7.4	6.9	84.13	348.6	-398.1	350.9	338.0	12.95	27.091	
6,500.0	6,482.4	6,516.7	6,493.1	7.5	7.0	86.26	346.2	-393.6	347.0	334.0	12.99	26.710	
6,600.0	6,582.0	6,614.4	6,590.7	7.7	7.1	88.45	344.6	-389.6	344.7	331.7	13.03	26.462	
6,700.0	6,681.5	6,710.6	6,686.8	7.8	7.3	90.57	343.5	-386.1	343.5	330.4	13.06	26.304	
6,800.0	6,781.0	6,810.1	6,786.3	7.9	7.4	92.72	342.8	-382.7	343.2	330.1	13.09	26.224	
6,802.7	6,783.8	6,812.8	6,789.0	7.9	7.4	92.78	342.8	-382.7	343.2	330.1	13.09	26.222	
6,900.0	6,880.6	6,908.9	6,885.1	8.0	7.5	94.91	342.2	-379.1	343.5	330.4	13.11	26.194	
7,000.0	6,980.1	7,008.2	6,984.2	8.1	7.6	97.20	341.6	-374.8	344.3	331.2	13.14	26.209	
7,100.0	7,079.7	7,107.3	7,083.2	8.2	7.7	99.47	340.9	-370.6	345.7	332.5	13.17	26.252	
7,200.0	7,179.2	7,207.0	7,182.8	8.3	7.8	101.64	340.2	-366.9	347.4	334.2	13.21	26.306	
7,300.0	7,278.7	7,306.9	7,282.7	8.4	7.9	103.69	339.4	-363.9	349.4	336.1	13.26	26.345	
7,400.0	7,378.3	7,403.8	7,379.5	8.5	8.0	105.80	338.7	-360.0	352.2	338.9	13.32	26.439	
7,500.0	7,477.8	7,505.6	7,481.1	8.6	8.1	108.32	337.2	-353.9	355.3	342.0	13.35	26.622	
7,566.0	7,543.5	7,572.3	7,547.7	8.6	8.2	109.96	335.7	-349.9	357.3	344.0	13.35	26.763	
7,575.0	7,552.5	7,581.4	7,556.7	8.6	8.2	101.12	335.5	-349.4	357.6	344.2	13.35	26.777	
7,600.0	7,577.3	7,606.2	7,581.5	8.7	8.3	84.90	334.9	-348.1	357.6	344.2	13.36	26.774	
7,625.0	7,601.9	7,630.3	7,605.6	8.7	8.3	76.41	334.4	-346.7	356.9	343.5	13.36	26.712	
7,650.0	7,626.4	7,654.8	7,630.0	8.7	8.3	71.89	333.8	-345.3	355.3	342.0	13.36	26.594	
7,675.0	7,650.5	7,678.5	7,653.6	8.7	8.4	69.52	333.2	-343.9	353.2	339.8	13.37	26.421	
7,700.0	7,674.3	7,702.3	7,677.4	8.7	8.4	68.53	332.6	-342.5	350.3	337.0	13.37	26.197	
7,725.0	7,697.7	7,726.3	7,701.4	8.7	8.4	68.49	331.9	-341.1	346.9	333.5	13.38	25.921	
7,750.0	7,720.6	7,750.2	7,725.2	8.8	8.4	69.14	331.3	-340.0	343.0	329.6	13.40	25.593	
7,775.0	7,743.0	7,771.8	7,746.8	8.8	8.5	70.17	330.6	-339.0	338.6	325.2	13.43	25.220	
7,800.0	7,764.7	7,792.8	7,767.8	8.8	8.5	71.61	330.0	-338.0	334.1	320.6	13.47	24.809	
7,825.0	7,785.8	7,812.5	7,787.5	8.8	8.5	73.30	329.5	-337.0	329.5	315.9	13.52	24.365	
7,850.0	7,806.2	7,831.2	7,806.2	8.9	8.5	75.19	329.0	-336.1	325.0	311.4	13.60	23.895	
7,875.0	7,825.8	7,849.3	7,824.2	8.9	8.6	77.27	328.5	-335.1	320.8	307.1	13.70	23.405	
7,900.0	7,844.5	7,866.2	7,841.1	9.0	8.6	79.39	328.0	-334.1	317.0	303.2	13.84	22.901	
7,925.0	7,862.4	7,882.1	7,856.9	9.0	8.6	81.51	327.6	-333.1	313.9	299.9	14.02	22.394	
7,950.0	7,879.4	7,896.9	7,871.7	9.0	8.6	83.57	327.1	-332.1	311.6	297.4	14.23	21.897	
7,975.0	7,895.3	7,910.3	7,885.1	9.1	8.6	85.44	326.8	-331.1	310.3	295.8	14.49	21.422	
7,989.6	7,904.2	7,917.6	7,892.4	9.1	8.6	86.45	326.5	-330.5	310.1	295.4	14.65	21.161 CC	
8,000.0	7,910.3	7,922.6	7,897.3	9.1	8.6	87.11	326.4	-330.1	310.2	295.4	14.78	20.988 ES	
8,025.0	7,924.1	7,934.0	7,908.7	9.1	8.7	88.60	326.1	-329.2	311.4	296.3	15.10	20.618	
8,050.0	7,936.9	7,944.4	7,919.0	9.2	8.7	89.81	325.8	-328.3	314.0	298.6	15.45	20.324	
8,075.0	7,948.6	7,953.8	7,928.3	9.2	8.7	90.74	325.5	-327.5	318.2	302.3	15.81	20.122	
8,100.0	7,959.0	7,962.2	7,936.8	9.3	8.7	91.37	325.2	-326.7	323.8	307.6	16.17	20.024 SF	
8,125.0	7,968.3	7,969.5	7,944.0	9.3	8.7	91.62	325.0	-326.0	330.9	314.4	16.52	20.032	
8,150.0	7,976.4	7,975.5	7,950.0	9.3	8.7	91.49	324.8	-325.5	339.6	322.7	16.85	20.150	

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 #503H
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 #503H	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 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	7,983.2	7,980.5	7,954.9	9.4	8.7	90.98	324.6	-325.0	349.6	332.4	17.16	20.376	
8,200.0	7,988.7	7,984.2	7,958.6	9.4	8.7	90.05	324.5	-324.6	361.0	343.5	17.43	20.705	
8,225.0	7,993.0	7,986.6	7,961.0	9.4	8.7	88.70	324.4	-324.4	373.5	355.9	17.68	21.131	
8,250.0	7,996.0	7,987.7	7,962.1	9.5	8.7	86.93	324.4	-324.3	387.2	369.3	17.89	21.645	
8,275.0	7,997.6	7,987.6	7,962.0	9.5	8.7	84.76	324.4	-324.3	401.8	383.7	18.07	22.238	
8,292.4	7,998.0	7,986.7	7,961.1	9.5	8.7	83.01	324.4	-324.4	412.5	394.3	18.17	22.696	
8,300.0	7,998.1	7,986.2	7,960.6	9.5	8.7	82.94	324.4	-324.5	417.2	399.0	18.21	22.904	
8,400.0	7,998.5	7,979.7	7,954.1	9.7	8.7	82.04	324.6	-325.1	485.3	466.7	18.61	26.081	
8,500.0	7,999.0	7,973.6	7,948.0	10.1	8.7	81.34	324.8	-325.6	560.9	542.1	18.78	29.875	
8,600.0	7,999.5	7,968.0	7,942.5	10.6	8.7	80.87	325.0	-326.2	641.3	622.5	18.82	34.069	
8,700.0	8,000.0	7,962.8	7,937.3	11.2	8.7	80.56	325.2	-326.6	724.8	705.9	18.81	38.532	
8,800.0	8,000.5	7,957.9	7,932.4	11.8	8.7	80.39	325.3	-327.1	810.3	791.5	18.76	43.182	
8,900.0	8,001.0	7,953.3	7,927.9	12.5	8.7	80.36	325.5	-327.5	897.2	878.5	18.70	47.968	
9,000.0	8,001.4	7,950.0	7,924.6	13.2	8.7	80.54	325.6	-327.8	985.1	966.5	18.64	52.860	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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 #41H - OWB - ACTUAL WELLPATH												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9510-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
8,292.4	7,998.0	8,013.2	8,010.3	9.5	10.0	-89.33	728.2	-1,669.9	997.3	981.0	16.23	61.459	
8,300.0	7,998.1	8,013.1	8,010.2	9.5	10.0	-89.33	728.2	-1,669.9	991.8	975.5	16.23	61.123	
8,400.0	7,998.5	8,011.5	8,008.7	9.7	10.0	-89.23	728.3	-1,669.9	923.3	907.0	16.28	56.704	
8,500.0	7,999.0	8,009.9	8,007.0	10.1	10.0	-89.13	728.3	-1,669.8	863.9	847.4	16.47	52.436	
8,600.0	7,999.5	8,008.1	8,005.2	10.6	10.0	-89.01	728.4	-1,669.8	815.6	798.7	16.86	48.369	
8,700.0	8,000.0	8,006.1	8,003.3	11.2	10.0	-88.89	728.5	-1,669.8	780.5	763.0	17.48	44.652	
8,800.0	8,000.5	8,004.1	8,001.2	11.8	10.0	-88.75	728.5	-1,669.7	760.5	742.2	18.32	41.516	
8,871.7	8,000.8	8,002.5	7,999.7	12.3	10.0	-88.64	728.6	-1,669.7	756.3	737.2	19.02	39.764	CC, ES
8,900.0	8,001.0	8,001.9	7,999.0	12.5	10.0	-88.59	728.6	-1,669.7	756.9	737.6	19.31	39.208	
9,000.0	8,001.4	7,999.6	7,996.7	13.2	10.0	-88.42	728.7	-1,669.7	769.9	749.6	20.32	37.889	
9,100.0	8,001.9	7,997.3	7,994.4	13.9	10.0	-88.24	728.7	-1,669.6	798.6	777.3	21.25	37.586	SF
9,200.0	8,002.4	7,994.9	7,992.0	14.6	10.0	-88.03	728.8	-1,669.6	841.4	819.4	22.02	38.212	
9,300.0	8,002.9	7,992.4	7,989.6	15.4	10.0	-87.80	728.9	-1,669.6	896.2	873.6	22.62	39.624	
9,400.0	8,003.4	7,989.9	7,987.0	16.1	10.0	-87.53	729.0	-1,669.5	961.0	937.9	23.06	41.671	

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 #503H
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 #503H	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 #501H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside 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	89.48	0.5	60.0	60.0				
100.0	100.0	100.0	100.0	3.0	3.0	89.48	0.5	60.0	60.0	54.0	6.00	9.996	
200.0	200.0	200.0	200.0	3.0	3.0	89.48	0.5	60.0	60.0	54.0	6.04	9.934	
300.0	300.0	300.0	300.0	3.0	3.1	89.48	0.5	60.0	60.0	53.9	6.12	9.803	
400.0	400.0	400.0	400.0	3.0	3.2	89.48	0.5	60.0	60.0	53.8	6.24	9.615	
500.0	500.0	500.0	500.0	3.1	3.4	89.48	0.5	60.0	60.0	53.6	6.40	9.381	
600.0	600.0	600.0	600.0	3.1	3.6	89.48	0.5	60.0	60.0	53.4	6.58	9.114	
700.0	700.0	700.0	700.0	3.1	3.8	89.48	0.5	60.0	60.0	53.2	6.80	8.826	
800.0	800.0	800.0	800.0	3.2	4.0	89.48	0.5	60.0	60.0	53.0	7.04	8.528	
900.0	900.0	900.0	900.0	3.2	4.2	89.48	0.5	60.0	60.0	52.7	7.29	8.226	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	4.5	89.48	0.5	60.0	60.0	52.4	7.57	7.928	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	4.8	89.48	0.5	60.0	60.0	52.1	7.86	7.637	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	5.1	89.48	0.5	60.0	60.0	51.8	8.16	7.355	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	5.3	89.48	0.5	60.0	60.0	51.5	8.47	7.085	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	5.6	89.48	0.5	60.0	60.0	51.2	8.79	6.826	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	6.0	89.48	0.5	60.0	60.0	50.9	9.12	6.581	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	6.3	89.48	0.5	60.0	60.0	50.5	9.45	6.348	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	6.6	89.48	0.5	60.0	60.0	50.2	9.79	6.126	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	6.9	89.48	0.5	60.0	60.0	49.9	10.14	5.917	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	7.2	89.48	0.5	60.0	60.0	49.5	10.49	5.719	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	7.6	89.48	0.5	60.0	60.0	49.2	10.85	5.531	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	7.9	89.48	0.5	60.0	60.0	48.8	11.21	5.354	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	8.2	89.48	0.5	60.0	60.0	48.4	11.57	5.186	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	8.6	89.48	0.5	60.0	60.0	48.1	11.94	5.027	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	8.9	89.48	0.5	60.0	60.0	47.7	12.31	4.876	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	9.2	89.48	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	4.5	9.6	179.51	0.5	61.7	63.5	50.4	13.03	4.869	
2,700.0	2,699.8	2,695.0	2,694.8	4.5	9.9	179.58	0.5	66.6	73.8	60.4	13.37	5.518	
2,775.0	2,774.6	2,767.0	2,766.6	4.5	10.1	179.63	0.5	72.4	86.0	72.4	13.62	6.314	
2,800.0	2,799.5	2,791.3	2,790.8	4.5	10.2	179.65	0.5	74.7	90.8	77.0	13.71	6.620	
2,900.0	2,899.0	2,889.4	2,888.5	4.6	10.5	179.71	0.5	84.2	109.8	95.8	14.08	7.801	
3,000.0	2,998.5	2,987.6	2,986.2	4.6	10.8	179.76	0.5	93.6	128.9	114.5	14.46	8.918	
3,100.0	3,098.1	3,085.7	3,083.9	4.6	11.2	179.79	0.5	103.0	148.0	133.2	14.84	9.973	
3,200.0	3,197.6	3,183.9	3,181.6	4.7	11.5	179.81	0.5	112.4	167.1	151.8	15.23	10.972	
3,300.0	3,297.2	3,282.1	3,279.3	4.7	11.8	179.83	0.5	121.8	186.2	170.5	15.62	11.917	
3,400.0	3,396.7	3,380.2	3,377.0	4.8	12.2	179.85	0.5	131.2	205.2	189.2	16.02	12.812	
3,500.0	3,496.2	3,478.4	3,474.7	4.9	12.5	179.86	0.5	140.6	224.3	207.9	16.42	13.659	
3,600.0	3,595.8	3,576.6	3,572.5	4.9	12.8	179.87	0.5	150.0	243.4	226.6	16.83	14.462	
3,700.0	3,695.3	3,674.7	3,670.2	5.0	13.2	179.88	0.5	159.4	262.5	245.2	17.24	15.224	
3,800.0	3,794.9	3,772.9	3,767.9	5.1	13.5	179.89	0.5	168.8	281.6	263.9	17.66	15.947	
3,900.0	3,894.4	3,871.1	3,865.6	5.1	13.8	179.90	0.5	178.2	300.6	282.6	18.08	16.633	
4,000.0	3,993.9	3,969.2	3,963.3	5.2	14.2	179.90	0.5	187.6	319.7	301.2	18.50	17.285	
4,100.0	4,093.5	4,067.4	4,061.0	5.3	14.5	179.91	0.5	197.1	338.8	319.9	18.92	17.904	
4,200.0	4,193.0	4,165.5	4,158.7	5.3	14.9	179.91	0.5	206.5	357.9	338.5	19.35	18.494	
4,300.0	4,292.6	4,263.7	4,256.4	5.4	15.2	179.92	0.5	215.9	377.0	357.2	19.78	19.055	
4,400.0	4,392.1	4,361.9	4,354.1	5.5	15.6	179.92	0.5	225.3	396.0	375.8	20.22	19.590	
4,500.0	4,491.6	4,460.0	4,451.8	5.6	15.9	179.92	0.5	234.7	415.1	394.5	20.65	20.100	
4,600.0	4,591.2	4,558.2	4,549.6	5.7	16.2	179.93	0.5	244.1	434.2	413.1	21.09	20.586	
4,700.0	4,690.7	4,656.4	4,647.3	5.8	16.6	179.93	0.5	253.5	453.3	431.8	21.53	21.050	
4,800.0	4,790.3	4,754.5	4,745.0	5.8	16.9	179.93	0.5	262.9	472.4	450.4	21.98	21.494	
4,900.0	4,889.8	4,852.7	4,842.7	5.9	17.3	179.94	0.5	272.3	491.4	469.0	22.42	21.918	
5,000.0	4,989.3	4,950.8	4,940.4	6.0	17.6	179.94	0.5	281.7	510.5	487.7	22.87	22.323	

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 #503H
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 #503H	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 #501H - OWB - PWP2												Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						
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	6.1	18.0	179.94	0.5	291.1	529.6	506.3	23.32	22.712	
5,200.0	5,188.4	5,147.2	5,135.8	6.2	18.3	179.94	0.5	300.6	548.7	524.9	23.77	23.083	
5,300.0	5,288.0	5,245.3	5,233.5	6.3	18.7	179.94	0.5	310.0	567.8	543.6	24.22	23.440	
5,400.0	5,387.5	5,343.5	5,331.2	6.4	19.0	179.95	0.5	319.4	586.9	562.2	24.68	23.782	
5,500.0	5,487.0	5,441.7	5,429.0	6.5	19.4	179.95	0.5	328.8	605.9	580.8	25.13	24.110	
5,600.0	5,586.6	5,539.8	5,526.7	6.6	19.7	179.95	0.5	338.2	625.0	599.4	25.59	24.425	
5,700.0	5,686.1	5,638.0	5,624.4	6.7	20.1	179.95	0.5	347.6	644.1	618.0	26.05	24.728	
5,800.0	5,785.7	5,736.1	5,722.1	6.8	20.4	179.95	0.5	357.0	663.2	636.7	26.51	25.019	
5,900.0	5,885.2	5,834.3	5,819.8	6.9	20.8	179.95	0.5	366.4	682.3	655.3	26.97	25.299	
6,000.0	5,984.7	5,932.5	5,917.5	7.0	21.1	179.96	0.5	375.8	701.3	673.9	27.43	25.568	
6,100.0	6,084.3	6,030.6	6,015.2	7.1	21.5	179.96	0.5	385.2	720.4	692.5	27.89	25.828	
6,200.0	6,183.8	6,128.8	6,112.9	7.2	21.8	179.96	0.5	394.6	739.5	711.1	28.36	26.078	
6,300.0	6,283.3	6,227.0	6,210.6	7.3	22.2	179.96	0.5	404.0	758.6	729.8	28.82	26.319	
6,400.0	6,382.9	6,325.1	6,308.4	7.4	22.5	179.96	0.5	413.5	777.7	748.4	29.29	26.551	
6,500.0	6,482.4	6,423.3	6,406.1	7.5	22.9	179.96	0.5	422.9	796.7	767.0	29.76	26.776	
6,600.0	6,582.0	6,521.4	6,503.8	7.7	23.2	179.96	0.5	432.3	815.8	785.6	30.22	26.992	
6,700.0	6,681.5	6,619.6	6,601.5	7.8	23.6	179.96	0.5	441.7	834.9	804.2	30.69	27.202	
6,800.0	6,781.0	6,717.8	6,699.2	7.9	23.9	179.96	0.5	451.1	854.0	822.8	31.16	27.404	
6,900.0	6,880.6	6,815.9	6,796.9	8.0	24.3	179.96	0.5	460.5	873.1	841.4	31.63	27.599	
7,000.0	6,980.1	6,914.1	6,894.6	8.1	24.6	179.96	0.5	469.9	892.1	860.0	32.11	27.788	
7,100.0	7,079.7	7,012.3	6,992.3	8.2	25.0	179.97	0.5	479.3	911.2	878.7	32.58	27.971	
7,200.0	7,179.2	7,110.4	7,090.0	8.3	25.3	179.97	0.5	488.7	930.3	897.3	33.05	28.148	
7,300.0	7,278.7	7,208.6	7,187.8	8.4	25.7	179.97	0.5	498.1	949.4	915.9	33.52	28.320	
7,400.0	7,378.3	7,306.7	7,285.5	8.5	26.1	179.97	0.5	507.5	968.5	934.5	34.00	28.486	
7,500.0	7,477.8	7,404.9	7,383.2	8.6	26.4	179.97	0.5	516.9	987.6	953.0	34.51	28.619	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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	89.48	0.3	30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	89.48	0.3	30.0	30.0	24.0	6.00	5.000	
200.0	200.0	200.0	200.0	3.0	3.0	89.48	0.3	30.0	30.0	24.0	6.00	4.998	
300.0	300.0	300.0	300.0	3.0	3.0	89.48	0.3	30.0	30.0	24.0	6.01	4.993	
400.0	400.0	400.0	400.0	3.0	3.0	89.48	0.3	30.0	30.0	24.0	6.02	4.985	
500.0	500.0	500.0	500.0	3.1	3.1	89.48	0.3	30.0	30.0	24.0	6.03	4.975	
600.0	600.0	600.0	600.0	3.1	3.1	89.48	0.3	30.0	30.0	24.0	6.05	4.962	
700.0	700.0	700.0	700.0	3.1	3.1	89.48	0.3	30.0	30.0	23.9	6.07	4.946	
800.0	800.0	800.0	800.0	3.2	3.2	89.48	0.3	30.0	30.0	23.9	6.09	4.929	
900.0	900.0	900.0	900.0	3.2	3.2	89.48	0.3	30.0	30.0	23.9	6.11	4.908	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	89.48	0.3	30.0	30.0	23.9	6.14	4.886	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	89.48	0.3	30.0	30.0	23.8	6.17	4.861	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	89.48	0.3	30.0	30.0	23.8	6.21	4.834	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	89.48	0.3	30.0	30.0	23.8	6.24	4.806	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	89.48	0.3	30.0	30.0	23.7	6.28	4.775	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	89.48	0.3	30.0	30.0	23.7	6.33	4.743	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	89.48	0.3	30.0	30.0	23.6	6.37	4.709	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	89.48	0.3	30.0	30.0	23.6	6.42	4.673	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	89.48	0.3	30.0	30.0	23.5	6.47	4.636	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	89.48	0.3	30.0	30.0	23.5	6.52	4.598	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	89.48	0.3	30.0	30.0	23.4	6.58	4.559	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	89.48	0.3	30.0	30.0	23.4	6.64	4.519	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	4.1	89.48	0.3	30.0	30.0	23.3	6.70	4.478	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	4.2	89.48	0.3	30.0	30.0	23.2	6.76	4.436	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	4.3	89.48	0.3	30.0	30.0	23.2	6.83	4.393	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	89.48	0.3	30.0	30.0	23.1	6.90	4.350 CC, ES, SF	
2,600.0	2,600.0	2,599.6	2,599.6	4.5	4.4	-177.54	-1.4	30.5	32.3	25.3	6.97	4.632	
2,700.0	2,699.8	2,698.8	2,698.6	4.5	4.4	-170.77	-6.3	32.0	39.6	32.4	7.11	5.564	
2,775.0	2,774.6	2,773.2	2,772.9	4.5	4.4	-166.35	-11.3	33.6	48.1	40.9	7.24	6.650	
2,800.0	2,799.5	2,798.0	2,797.6	4.5	4.4	-165.31	-12.9	34.1	51.4	44.1	7.28	7.056	
2,900.0	2,899.0	2,897.1	2,896.4	4.6	4.3	-162.20	-19.5	36.2	64.4	57.0	7.44	8.662	
3,000.0	2,998.5	2,996.2	2,995.3	4.6	4.3	-160.14	-26.1	38.2	77.6	70.0	7.58	10.236	
3,100.0	3,098.1	3,095.3	3,094.1	4.6	4.3	-158.68	-32.7	40.3	90.8	83.1	7.71	11.772	
3,200.0	3,197.6	3,194.4	3,193.0	4.7	4.3	-157.59	-39.3	42.3	104.1	96.2	7.84	13.268	
3,300.0	3,297.2	3,293.5	3,291.9	4.7	4.3	-156.75	-45.9	44.4	117.4	109.4	7.97	14.720	
3,400.0	3,396.7	3,392.6	3,390.7	4.8	4.3	-156.08	-52.5	46.4	130.7	122.6	8.10	16.128	
3,500.0	3,496.2	3,491.7	3,489.6	4.9	4.3	-155.53	-59.1	48.5	144.0	135.8	8.23	17.491	
3,600.0	3,595.8	3,590.8	3,588.4	4.9	4.3	-155.08	-65.7	50.5	157.4	149.0	8.37	18.809	
3,700.0	3,695.3	3,689.9	3,687.3	5.0	4.3	-154.69	-72.3	52.6	170.7	162.2	8.50	20.081	
3,800.0	3,794.9	3,789.0	3,786.1	5.1	4.3	-154.37	-78.9	54.7	184.1	175.4	8.64	21.309	
3,900.0	3,894.4	3,888.1	3,885.0	5.1	4.3	-154.08	-85.5	56.7	197.5	188.7	8.78	22.492	
4,000.0	3,993.9	3,987.1	3,983.9	5.2	4.3	-153.84	-92.1	58.8	210.8	201.9	8.92	23.631	
4,100.0	4,093.5	4,086.2	4,082.7	5.3	4.3	-153.62	-98.7	60.8	224.2	215.1	9.07	24.727	
4,200.0	4,193.0	4,185.3	4,181.6	5.3	4.4	-153.43	-105.3	62.9	237.6	228.4	9.22	25.781	
4,300.0	4,292.6	4,284.4	4,280.4	5.4	4.4	-153.25	-111.9	64.9	250.9	241.6	9.37	26.793	
4,400.0	4,392.1	4,383.5	4,379.3	5.5	4.4	-153.10	-118.5	67.0	264.3	254.8	9.52	27.766	
4,500.0	4,491.6	4,482.6	4,478.1	5.6	4.5	-152.96	-125.1	69.0	277.7	268.0	9.68	28.699	
4,600.0	4,591.2	4,581.7	4,577.0	5.7	4.5	-152.83	-131.7	71.1	291.1	281.3	9.84	29.595	
4,700.0	4,690.7	4,680.8	4,675.9	5.8	4.6	-152.71	-138.3	73.1	304.5	294.5	10.00	30.455	
4,800.0	4,790.3	4,779.9	4,774.7	5.8	4.6	-152.61	-144.9	75.2	317.9	307.7	10.16	31.279	
4,900.0	4,889.8	4,879.0	4,873.6	5.9	4.7	-152.51	-151.5	77.3	331.2	320.9	10.33	32.069	
5,000.0	4,989.3	4,978.1	4,972.4	6.0	4.7	-152.42	-158.1	79.3	344.6	334.1	10.50	32.826	

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 #503H
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 #503H	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 Tooface (")	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	5,077.2	5,071.3	6.1	4.8	-152.34	-164.7	81.4	358.0	347.4	10.67	33.552	
5,200.0	5,188.4	5,176.3	5,170.1	6.2	4.8	-152.26	-171.3	83.4	371.4	360.6	10.84	34.248	
5,300.0	5,288.0	5,275.4	5,269.0	6.3	4.9	-152.19	-177.9	85.5	384.8	373.8	11.02	34.915	
5,400.0	5,387.5	5,374.5	5,367.9	6.4	5.0	-152.12	-184.5	87.5	398.2	387.0	11.20	35.553	
5,500.0	5,487.0	5,473.6	5,466.7	6.5	5.0	-152.06	-191.1	89.6	411.6	400.2	11.38	36.165	
5,600.0	5,586.6	5,572.7	5,565.6	6.6	5.1	-152.00	-197.7	91.6	425.0	413.4	11.56	36.751	
5,700.0	5,686.1	5,671.8	5,664.4	6.7	5.2	-151.94	-204.3	93.7	438.4	426.6	11.75	37.318	
5,800.0	5,785.7	5,770.9	5,763.3	6.8	5.3	-151.89	-210.9	95.7	451.8	439.8	11.93	37.853	
5,900.0	5,885.2	5,870.0	5,862.1	6.9	5.3	-151.84	-217.5	97.8	465.2	453.0	12.12	38.369	
6,000.0	5,984.7	5,969.1	5,961.0	7.0	5.4	-151.80	-224.1	99.9	478.5	466.2	12.31	38.863	
6,100.0	6,084.3	6,068.2	6,059.8	7.1	5.5	-151.75	-230.7	101.9	491.9	479.4	12.51	39.337	
6,200.0	6,183.8	6,167.3	6,158.7	7.2	5.6	-151.71	-237.3	104.0	505.3	492.6	12.70	39.791	
6,300.0	6,283.3	6,266.8	6,257.9	7.3	5.6	-151.67	-244.0	106.0	518.7	505.8	12.89	40.227	
6,400.0	6,382.9	6,365.0	6,355.0	7.4	5.7	-151.61	-249.3	107.7	530.6	517.6	13.09	40.551	
6,500.0	6,482.4	6,464.1	6,453.4	7.5	5.8	-152.25	-250.4	108.0	539.9	526.6	13.26	40.728	
6,600.0	6,582.0	6,562.0	6,550.0	7.7	5.8	-152.72	-250.4	108.0	548.4	535.0	13.40	40.910	
6,700.0	6,681.5	6,660.5	6,648.5	7.8	5.9	-153.17	-250.4	108.0	556.9	543.4	13.55	41.085	
6,800.0	6,781.0	6,760.1	6,748.0	7.9	5.9	-153.61	-250.4	108.0	565.5	551.8	13.71	41.253	
6,900.0	6,880.6	6,859.6	6,847.6	8.0	6.0	-154.03	-250.4	108.0	574.1	560.2	13.86	41.414	
7,000.0	6,980.1	6,959.1	6,947.1	8.1	6.0	-154.45	-250.4	108.0	582.7	568.7	14.02	41.569	
7,100.0	7,079.7	7,058.7	7,046.7	8.2	6.1	-154.85	-250.4	108.0	591.4	577.2	14.18	41.712	
7,200.0	7,179.2	7,158.2	7,146.2	8.3	6.1	-155.23	-250.4	108.0	600.1	585.8	14.34	41.857	
7,300.0	7,278.7	7,257.7	7,245.7	8.4	6.2	-155.61	-250.4	108.0	608.8	594.3	14.50	41.993	
7,400.0	7,378.3	7,357.3	7,345.3	8.5	6.3	-155.98	-250.4	108.0	617.6	602.9	14.66	42.124	
7,500.0	7,477.8	7,456.8	7,444.8	8.6	6.3	-156.34	-250.4	108.0	626.3	611.6	14.79	42.351	
7,566.0	7,543.5	7,520.9	7,507.7	8.6	6.3	-156.91	-247.5	108.0	631.6	616.8	14.80	42.683	
7,575.0	7,552.5	7,529.8	7,516.5	8.6	6.3	-166.25	-245.0	108.0	632.0	617.2	14.81	42.680	
7,600.0	7,577.3	7,554.3	7,540.9	8.7	6.4	175.82	-234.5	107.9	633.0	618.2	14.87	42.581	
7,625.0	7,601.9	7,578.9	7,564.1	8.7	6.4	165.15	-219.3	107.8	634.1	619.2	14.96	42.392	
7,650.0	7,626.4	7,599.4	7,583.7	8.7	6.4	158.01	-200.2	107.7	635.3	620.3	15.07	42.168	
7,675.0	7,650.5	7,623.8	7,607.2	8.7	6.5	152.68	-178.1	107.5	636.8	621.6	15.18	41.959	
7,700.0	7,674.3	7,647.6	7,630.5	8.7	6.5	148.35	-153.8	107.3	638.5	623.2	15.27	41.802	
7,725.0	7,697.7	7,670.1	7,651.7	8.7	6.6	144.62	-128.0	107.1	640.7	625.3	15.36	41.720	
7,750.0	7,720.6	7,692.4	7,673.1	8.8	6.6	141.29	-101.4	107.0	643.3	627.9	15.42	41.722	
7,775.0	7,743.0	7,714.4	7,694.9	8.8	6.7	138.23	-74.3	106.8	646.4	631.0	15.46	41.809	
7,800.0	7,764.7	7,735.5	7,715.4	8.8	6.8	135.36	-47.1	106.6	650.2	634.7	15.49	41.972	
7,825.0	7,785.8	7,756.8	7,736.7	8.8	6.8	132.62	-20.0	106.4	654.5	639.0	15.51	42.203	
7,850.0	7,806.2	7,776.6	7,756.1	8.9	6.9	129.98	6.7	106.2	659.5	644.0	15.52	42.488	
7,875.0	7,825.8	7,795.2	7,774.7	8.9	7.0	127.41	33.0	106.0	665.2	649.7	15.54	42.810	
7,900.0	7,844.5	7,813.5	7,792.3	9.0	7.0	124.89	58.7	105.8	671.5	656.0	15.56	43.156	
7,925.0	7,862.4	7,831.2	7,810.0	9.0	7.1	122.40	83.9	105.6	678.5	662.9	15.59	43.513	
7,950.0	7,879.4	7,848.2	7,826.9	9.0	7.2	119.94	108.6	105.4	686.1	670.5	15.64	43.869	
7,975.0	7,895.3	7,864.1	7,842.8	9.1	7.3	117.48	132.6	105.2	694.3	678.6	15.70	44.217	
8,000.0	7,910.3	7,879.1	7,857.8	9.1	7.3	115.04	156.1	105.1	703.1	687.3	15.78	44.548	
8,025.0	7,924.1	7,892.9	7,871.6	9.1	7.4	112.60	179.1	104.9	712.4	696.5	15.88	44.859	
8,050.0	7,936.9	7,905.0	7,883.6	9.2	7.5	110.16	201.6	104.7	722.1	706.1	15.99	45.148	
8,075.0	7,948.6	7,916.4	7,895.1	9.2	7.6	107.72	223.5	104.6	732.3	716.2	16.12	45.414	
8,100.0	7,959.0	7,926.8	7,905.3	9.3	7.7	105.39	243.4	104.4	742.9	726.6	16.27	45.665	
8,125.0	7,968.3	7,936.1	7,914.6	9.3	7.8	103.10	263.7	104.3	753.8	737.4	16.43	45.882	
8,150.0	7,976.4	7,944.2	7,922.7	9.3	7.9	100.86	284.5	104.1	765.0	748.4	16.60	46.078	
8,175.0	7,983.2	7,951.0	7,929.5	9.4	8.0	98.71	305.6	104.0	776.4	759.6	16.78	46.265	
8,200.0	7,988.7	7,956.5	7,935.0	9.4	8.1	96.64	327.1	103.8	787.9	770.9	16.96	46.444	

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 #503H
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 #503H	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	7,993.0	8,399.3	7,996.5	9.4	8.2	94.69	348.8	103.7	799.5	782.3	17.15	46.614	
8,250.0	7,996.0	8,421.3	7,996.6	9.5	8.3	92.86	370.8	103.5	811.1	793.7	17.35	46.745	
8,275.0	7,997.6	8,443.4	7,996.8	9.5	8.4	91.16	392.9	103.3	822.6	805.1	17.55	46.867	
8,292.4	7,998.0	8,458.8	7,996.8	9.5	8.5	90.05	408.4	103.2	830.7	813.0	17.69	46.948	
8,300.0	7,998.1	8,465.6	7,996.9	9.5	8.5	90.05	415.1	103.2	834.1	816.4	17.75	46.982	
8,400.0	7,998.5	8,555.3	7,997.3	9.7	9.0	90.04	504.8	102.5	878.2	859.6	18.64	47.110	
8,500.0	7,999.0	8,646.6	7,997.7	10.1	9.6	90.03	596.1	101.9	919.1	899.5	19.63	46.818	
8,600.0	7,999.5	8,739.2	7,998.2	10.6	10.1	90.02	688.7	101.2	956.9	936.1	20.72	46.187	
8,700.0	8,000.0	8,833.0	7,998.6	11.2	10.8	90.01	782.5	100.5	991.3	969.4	21.88	45.299	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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 #51H - OWB - ACTUAL WELLPATH												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9639-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
8,500.0	7,999.0	7,984.2	7,981.3	10.1	8.8	-87.23	834.3	-1,753.2	968.1	950.4	17.70	54.710	
8,600.0	7,999.5	7,982.4	7,979.5	10.6	8.8	-87.17	834.4	-1,753.2	911.1	892.8	18.33	49.703	
8,700.0	8,000.0	7,980.4	7,977.5	11.2	8.8	-87.09	834.5	-1,753.1	865.2	846.0	19.11	45.270	
8,800.0	8,000.5	7,978.2	7,975.4	11.8	8.7	-86.98	834.6	-1,753.0	832.1	812.1	20.00	41.606	
8,900.0	8,001.0	7,975.8	7,973.0	12.5	8.7	-86.84	834.7	-1,752.8	813.5	792.6	20.93	38.877	
8,969.2	8,001.3	7,974.1	7,971.2	13.0	8.7	-86.73	834.8	-1,752.8	809.7	788.2	21.54	37.588 CC, ES	
9,000.0	8,001.4	7,973.3	7,970.4	13.2	8.7	-86.67	834.8	-1,752.7	810.5	788.7	21.80	37.178	
9,100.0	8,001.9	7,970.6	7,967.7	13.9	8.7	-86.47	834.9	-1,752.6	823.2	800.6	22.54	36.515 SF	
9,200.0	8,002.4	7,967.6	7,964.8	14.6	8.7	-86.23	835.1	-1,752.5	850.8	827.7	23.11	36.821	
9,300.0	8,002.9	7,964.5	7,961.6	15.4	8.7	-85.95	835.2	-1,752.3	892.0	868.6	23.49	37.979	
9,400.0	8,003.4	7,961.1	7,958.3	16.1	8.7	-85.62	835.3	-1,752.1	945.0	921.3	23.71	39.855	

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 #503H
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 #503H	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 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	98.72	-82.7	539.1	545.7				
100.0	100.0	85.9	85.9	3.0	3.0	98.75	-82.9	538.9	545.3	539.3	6.00	90.873	
200.0	200.0	186.4	186.4	3.0	3.0	98.78	-83.2	538.4	544.8	538.8	6.01	90.712	
300.0	300.0	298.7	298.7	3.0	3.0	98.79	-82.9	536.7	543.3	537.3	6.02	90.253	
400.0	400.0	400.3	400.3	3.0	3.0	98.76	-82.2	533.8	540.3	534.3	6.04	89.395	
500.0	500.0	500.7	500.6	3.1	3.1	98.74	-81.5	530.7	537.2	531.1	6.08	88.375	
600.0	600.0	600.9	600.7	3.1	3.1	98.76	-81.3	527.5	534.0	527.9	6.12	87.219	
700.0	700.0	702.4	702.2	3.1	3.1	98.78	-80.9	524.1	530.7	524.5	6.18	85.921	
800.0	800.0	803.1	802.8	3.2	3.2	98.75	-80.1	520.6	527.1	520.8	6.24	84.496	
900.0	900.0	903.2	902.9	3.2	3.3	98.71	-79.2	517.0	523.4	517.1	6.31	82.975	
1,000.0	1,000.0	1,003.6	1,003.1	3.2	3.3	98.72	-78.7	513.3	519.7	513.3	6.39	81.374	
1,100.0	1,100.0	1,102.7	1,102.2	3.3	3.4	98.79	-78.8	509.6	516.0	509.6	6.47	79.739	
1,200.0	1,200.0	1,200.0	1,199.4	3.4	3.5	98.88	-79.0	506.0	512.4	505.8	6.56	78.083	
1,300.0	1,300.0	1,296.9	1,296.3	3.4	3.5	98.98	-79.5	502.9	509.3	502.6	6.66	76.508	
1,400.0	1,400.0	1,398.7	1,398.1	3.5	3.6	99.10	-80.1	500.1	506.6	499.9	6.76	74.957	
1,500.0	1,500.0	1,501.3	1,500.5	3.5	3.7	99.26	-81.0	496.7	503.5	496.7	6.87	73.332	
1,600.0	1,600.0	1,598.5	1,597.7	3.6	3.8	99.47	-82.3	493.4	500.4	493.5	6.97	71.788	
1,700.0	1,700.0	1,692.1	1,691.2	3.7	3.9	99.70	-83.9	491.1	498.3	491.2	7.06	70.524	
1,800.0	1,800.0	1,784.9	1,784.1	3.8	3.9	99.94	-85.9	490.0	497.4	490.3	7.13	69.769	
1,806.9	1,806.9	1,791.4	1,790.5	3.8	3.9	99.95	-86.0	489.9	497.4	490.3	7.13	69.727 CC, ES	
1,900.0	1,900.0	1,878.6	1,877.7	3.9	3.9	100.11	-87.4	490.2	498.0	490.8	7.15	69.624	
2,000.0	2,000.0	1,971.5	1,970.6	3.9	3.9	100.21	-88.6	491.8	499.9	492.7	7.15	69.927	
2,100.0	2,100.0	2,063.0	2,062.0	4.0	3.9	100.35	-90.4	494.6	503.3	496.1	7.14	70.484	
2,200.0	2,200.0	2,156.5	2,155.4	4.1	3.9	100.49	-92.4	499.0	508.3	501.2	7.14	71.235	
2,300.0	2,300.0	2,253.2	2,251.9	4.2	3.8	100.59	-94.3	504.5	514.2	507.1	7.14	72.059	
2,400.0	2,400.0	2,353.4	2,351.9	4.3	3.8	100.70	-96.4	510.5	520.5	513.3	7.14	72.845	
2,500.0	2,500.0	2,458.0	2,456.3	4.4	3.8	100.88	-99.2	516.0	526.2	519.0	7.16	73.457	
2,600.0	2,600.0	2,564.6	2,562.8	4.5	3.8	-168.87	-102.5	520.3	532.4	525.2	7.20	73.955	
2,700.0	2,699.8	2,667.7	2,665.8	4.5	3.8	-168.69	-105.6	523.4	541.0	533.8	7.25	74.587	
2,775.0	2,774.6	2,742.7	2,740.8	4.5	3.8	-168.60	-107.8	525.4	549.5	542.2	7.30	75.269	
2,800.0	2,799.5	2,767.5	2,765.5	4.5	3.9	-168.58	-108.5	526.0	552.6	545.3	7.32	75.528	
2,900.0	2,899.0	2,866.5	2,864.5	4.6	3.9	-168.54	-111.4	528.7	565.2	557.8	7.39	76.507	
3,000.0	2,998.5	2,966.8	2,964.7	4.6	3.9	-168.55	-113.8	531.4	577.7	570.3	7.47	77.391	
3,100.0	3,098.1	3,068.6	3,066.5	4.6	4.0	-168.59	-115.9	533.9	589.9	582.4	7.55	78.129	
3,200.0	3,197.6	3,169.8	3,167.6	4.7	4.0	-168.59	-118.2	535.9	601.7	594.1	7.65	78.696	
3,300.0	3,297.2	3,271.5	3,269.3	4.7	4.1	-168.59	-120.5	537.6	613.2	605.4	7.75	79.130	
3,400.0	3,396.7	3,373.1	3,370.8	4.8	4.1	-168.65	-122.1	539.0	624.3	616.4	7.86	79.446	
3,500.0	3,496.2	3,473.8	3,471.6	4.9	4.2	-168.73	-123.4	540.2	635.1	627.1	7.97	79.658	
3,600.0	3,595.8	3,573.8	3,571.5	4.9	4.3	-168.82	-124.4	541.3	645.7	637.6	8.09	79.787	
3,700.0	3,695.3	3,671.6	3,669.3	5.0	4.3	-168.93	-125.2	542.4	656.4	648.2	8.22	79.870	
3,800.0	3,794.9	3,769.4	3,767.1	5.1	4.4	-169.00	-126.6	543.8	667.4	659.0	8.35	79.919	
3,900.0	3,894.4	3,872.7	3,870.4	5.1	4.5	-169.10	-127.6	545.2	678.3	669.8	8.49	79.879	
4,000.0	3,993.9	3,975.2	3,972.9	5.2	4.6	-169.21	-128.3	545.9	688.6	679.9	8.63	79.749	
4,100.0	4,093.5	4,073.2	4,070.9	5.3	4.7	-169.30	-129.1	546.5	698.7	689.9	8.78	79.558	
4,200.0	4,193.0	4,171.6	4,169.2	5.3	4.8	-169.37	-130.1	547.3	709.1	700.2	8.93	79.369	
4,300.0	4,292.6	4,272.4	4,270.1	5.4	4.9	-169.44	-131.2	548.1	719.5	710.4	9.09	79.150	
4,400.0	4,392.1	4,372.4	4,370.1	5.5	5.0	-169.47	-132.6	548.6	729.7	720.5	9.25	78.916	
4,500.0	4,491.6	4,470.5	4,468.1	5.6	5.1	-169.49	-134.2	549.1	740.0	730.6	9.40	78.684	
4,600.0	4,591.2	4,569.1	4,566.7	5.7	5.2	-169.52	-135.7	549.9	750.4	740.9	9.57	78.418	
4,700.0	4,690.7	4,671.3	4,668.9	5.8	5.3	-169.62	-136.3	550.8	760.8	751.1	9.74	78.088	
4,800.0	4,790.3	4,768.1	4,765.7	5.8	5.4	-169.71	-137.0	551.4	771.0	761.1	9.92	77.745	
4,900.0	4,889.8	4,869.6	4,867.2	5.9	5.5	-169.77	-138.0	552.3	781.5	771.4	10.10	77.416	

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 #503H
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 #503H	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 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	4,968.5	4,966.1	6.0	5.6	-169.85	-138.8	552.9	791.7	781.4	10.27	77.052	
5,100.0	5,088.9	5,067.0	5,064.5	6.1	5.7	-169.93	-139.4	553.8	802.1	791.6	10.46	76.678	
5,200.0	5,188.4	5,167.6	5,165.1	6.2	5.9	-170.01	-140.2	554.6	812.4	801.8	10.65	76.300	
5,300.0	5,288.0	5,270.7	5,268.3	6.3	6.0	-170.05	-141.4	555.1	822.5	811.7	10.83	75.965	
5,400.0	5,387.5	5,372.3	5,369.9	6.4	6.1	-170.08	-142.8	555.1	832.2	821.2	11.00	75.687	
5,500.0	5,487.0	5,466.9	5,464.4	6.5	6.2	-170.05	-144.7	555.1	842.0	830.8	11.16	75.428	
5,600.0	5,586.6	5,564.3	5,561.8	6.6	6.4	-170.01	-147.1	555.6	852.4	841.1	11.34	75.168	
5,700.0	5,686.1	5,664.7	5,662.2	6.7	6.5	-169.94	-149.9	556.1	862.8	851.2	11.52	74.890	
5,800.0	5,785.7	5,762.2	5,759.6	6.8	6.6	-169.87	-152.7	556.5	873.1	861.4	11.70	74.613	
5,900.0	5,885.2	5,857.8	5,855.2	6.9	6.7	-169.82	-155.3	557.3	883.9	872.0	11.89	74.333	
6,000.0	5,984.7	5,955.1	5,952.5	7.0	6.9	-169.81	-157.4	558.6	895.0	882.9	12.09	74.046	
6,100.0	6,084.3	6,058.8	6,056.1	7.1	7.0	-169.78	-159.9	559.9	906.1	893.8	12.28	73.759	
6,200.0	6,183.8	6,166.9	6,164.2	7.2	7.2	-169.71	-163.0	560.3	916.3	903.9	12.47	73.469	
6,300.0	6,283.3	6,281.1	6,278.3	7.3	7.3	-169.56	-167.1	559.1	925.4	912.8	12.65	73.162	
6,400.0	6,382.9	6,394.0	6,391.1	7.4	7.4	-169.46	-170.3	556.3	932.9	920.1	12.81	72.843	
6,500.0	6,482.4	6,535.3	6,532.2	7.5	7.5	-169.54	-170.0	548.3	936.5	923.4	13.03	71.874	
6,600.0	6,582.0	6,624.0	6,620.6	7.7	7.6	-169.80	-166.2	543.0	939.2	926.1	13.13	71.558	
6,700.0	6,681.5	6,698.3	6,694.8	7.8	7.6	-169.95	-164.4	539.9	944.2	930.9	13.29	71.053	
6,800.0	6,781.0	6,794.2	6,790.7	7.9	7.6	-170.12	-162.9	537.7	951.0	937.6	13.45	70.710	
6,900.0	6,880.6	6,880.2	6,876.6	8.0	7.7	-170.26	-161.6	536.1	958.5	944.8	13.64	70.278	
7,000.0	6,980.1	6,983.3	6,979.8	8.1	7.8	-170.42	-160.3	534.8	966.5	952.7	13.83	69.885	
7,100.0	7,079.7	7,085.7	7,082.1	8.2	7.8	-170.62	-158.3	533.3	974.2	960.2	14.04	69.381	
7,200.0	7,179.2	7,186.8	7,183.2	8.3	7.9	-170.82	-156.2	531.6	981.7	967.4	14.27	68.775	
7,300.0	7,278.7	7,288.0	7,284.3	8.4	8.1	-171.02	-154.0	529.8	989.0	974.5	14.52	68.092	
7,400.0	7,378.3	7,390.3	7,386.5	8.5	8.2	-171.22	-151.8	527.7	996.2	981.4	14.79	67.341 SF	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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)

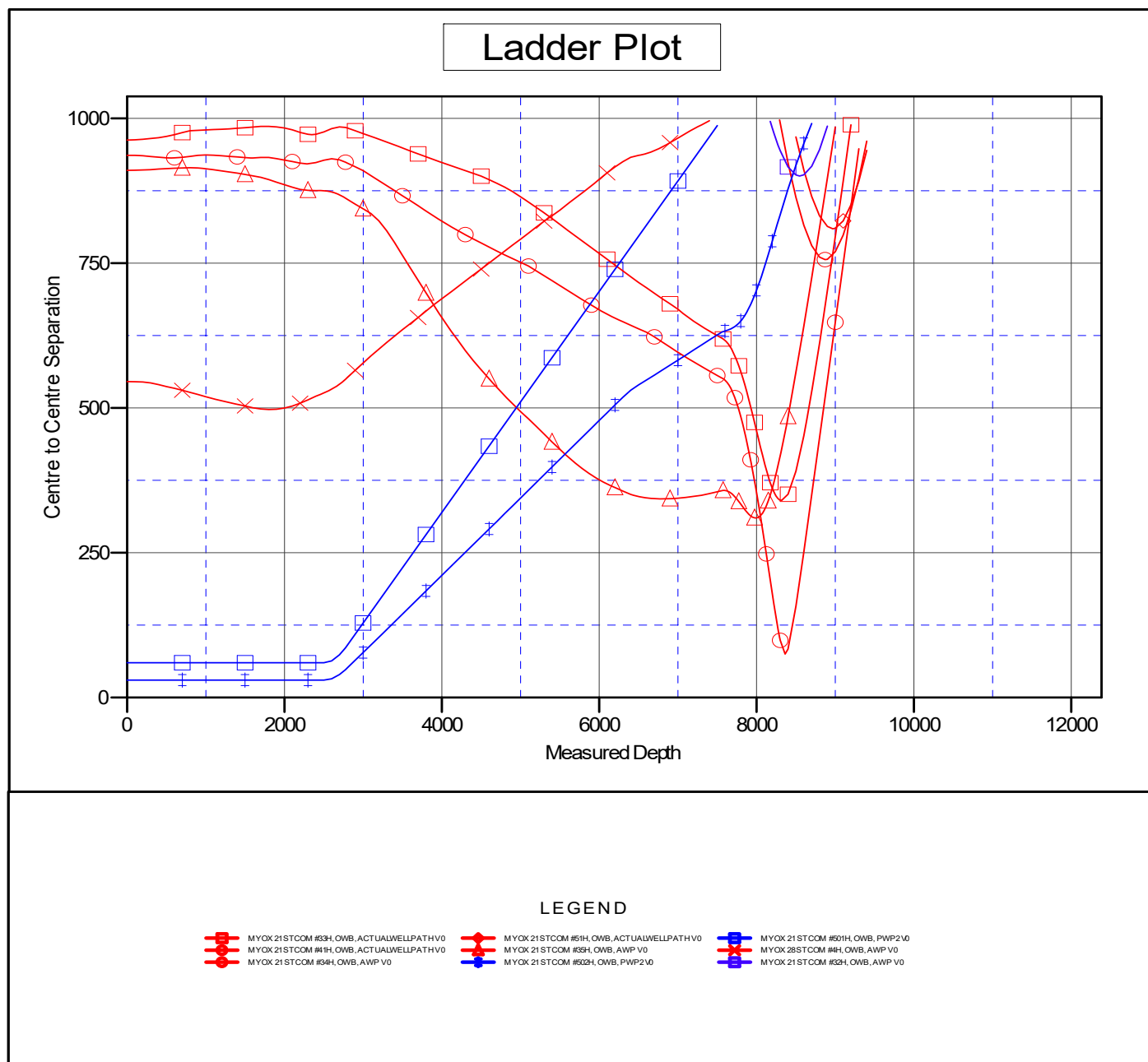
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 21 ST COM #503H

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 #503H
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 #503H	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

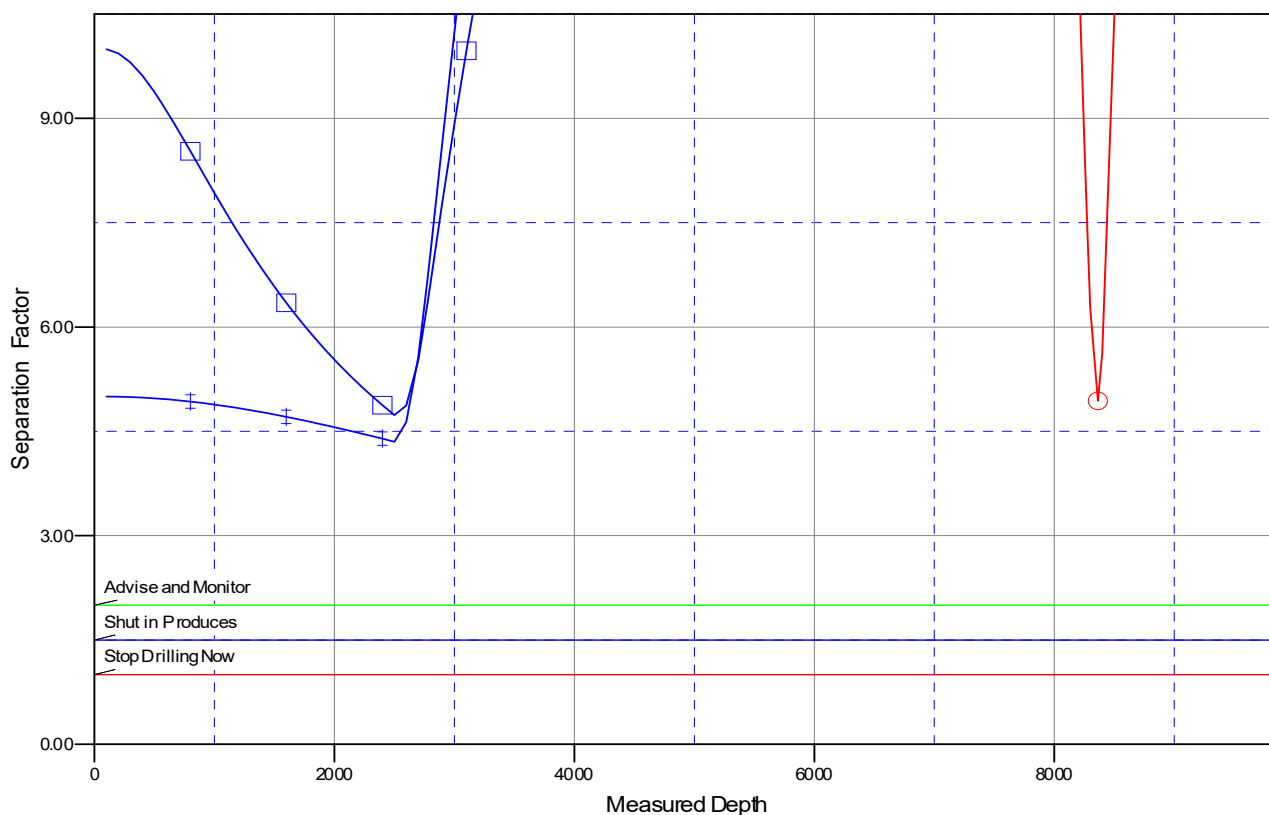
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 21 ST COM #503H

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 21 STCOM #63H, OWB, ACTUALWELLPATH V0	MYOX 21 STCOM #61H, OWB, ACTUALWELLPATH V0	MYOX 21 STCOM #601H, OWB, PWP2 V0
MYOX 21 STCOM #61H, OWB, ACTUALWELLPATH V0	MYOX 21 STCOM #63H, OWB, AWP V0	MYOX 28 STCOM #6H, OWB, AWP V0
MYOX 21 STCOM #64H, OWB, AWP V0	MYOX 21 STCOM #602H, OWB, PWP2 V0	MYOX 21 STCOM #62H, OWB, AWP V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 21 STATE PROJECT (ATLAS 2528)

MYOX 21 ST COM #503H

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 #503H
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 #503H	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 #503H				
Well Position	+N/-S	0.0 usft	Northing:	402,871.63 usft	Latitude: 32° 6' 26.570 N
	+E/-W	0.0 usft	Easting:	574,691.27 usft	Longitude: 104° 5' 31.590 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	47,445.77363663
	IGRF2020	9/5/2020	6.87	59.74	47,454.28504623

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	354.01	

Survey Tool Program	Date	1/13/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	7,461.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
7,461.0	18,753.2	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	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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)
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	270.00	2,600.0	0.0	-1.7	0.2	2.00	2.00	0.00
2,700.0	4.00	270.00	2,699.8	0.0	-7.0	0.7	2.00	2.00	0.00
2,775.0	5.50	270.00	2,774.6	0.0	-13.2	1.4	2.00	2.00	0.00
Start 4791.0 hold at 2775.0 MD									
2,800.0	5.50	270.00	2,799.5	0.0	-15.6	1.6	0.00	0.00	0.00
2,900.0	5.50	270.00	2,899.0	0.0	-25.2	2.6	0.00	0.00	0.00
3,000.0	5.50	270.00	2,998.5	0.0	-34.8	3.6	0.00	0.00	0.00
3,100.0	5.50	270.00	3,098.1	0.0	-44.3	4.6	0.00	0.00	0.00
3,200.0	5.50	270.00	3,197.6	0.0	-53.9	5.6	0.00	0.00	0.00
3,300.0	5.50	270.00	3,297.2	0.0	-63.5	6.6	0.00	0.00	0.00
3,400.0	5.50	270.00	3,396.7	0.0	-73.1	7.6	0.00	0.00	0.00
3,500.0	5.50	270.00	3,496.2	0.0	-82.7	8.6	0.00	0.00	0.00
3,600.0	5.50	270.00	3,595.8	0.0	-92.3	9.6	0.00	0.00	0.00
3,700.0	5.50	270.00	3,695.3	0.0	-101.8	10.6	0.00	0.00	0.00
3,800.0	5.50	270.00	3,794.9	0.0	-111.4	11.6	0.00	0.00	0.00
3,900.0	5.50	270.00	3,894.4	0.0	-121.0	12.6	0.00	0.00	0.00
4,000.0	5.50	270.00	3,993.9	0.0	-130.6	13.6	0.00	0.00	0.00
4,100.0	5.50	270.00	4,093.5	0.0	-140.2	14.6	0.00	0.00	0.00
4,200.0	5.50	270.00	4,193.0	0.0	-149.8	15.6	0.00	0.00	0.00
4,300.0	5.50	270.00	4,292.6	0.0	-159.4	16.6	0.00	0.00	0.00
4,400.0	5.50	270.00	4,392.1	0.0	-168.9	17.6	0.00	0.00	0.00
4,500.0	5.50	270.00	4,491.6	0.0	-178.5	18.6	0.00	0.00	0.00
4,600.0	5.50	270.00	4,591.2	0.0	-188.1	19.6	0.00	0.00	0.00
4,700.0	5.50	270.00	4,690.7	0.0	-197.7	20.6	0.00	0.00	0.00
4,800.0	5.50	270.00	4,790.3	0.0	-207.3	21.6	0.00	0.00	0.00
4,900.0	5.50	270.00	4,889.8	0.0	-216.9	22.6	0.00	0.00	0.00
5,000.0	5.50	270.00	4,989.3	0.0	-226.4	23.6	0.00	0.00	0.00
5,100.0	5.50	270.00	5,088.9	0.0	-236.0	24.6	0.00	0.00	0.00
5,200.0	5.50	270.00	5,188.4	0.0	-245.6	25.6	0.00	0.00	0.00
5,300.0	5.50	270.00	5,288.0	0.0	-255.2	26.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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)	
5,400.0	5.50	270.00	5,387.5	0.0	-264.8	27.6	0.00	0.00	0.00	
5,500.0	5.50	270.00	5,487.0	0.0	-274.4	28.6	0.00	0.00	0.00	
5,600.0	5.50	270.00	5,586.6	0.0	-284.0	29.6	0.00	0.00	0.00	
5,700.0	5.50	270.00	5,686.1	0.0	-293.5	30.6	0.00	0.00	0.00	
5,800.0	5.50	270.00	5,785.7	0.0	-303.1	31.6	0.00	0.00	0.00	
5,900.0	5.50	270.00	5,885.2	0.0	-312.7	32.6	0.00	0.00	0.00	
6,000.0	5.50	270.00	5,984.7	0.0	-322.3	33.6	0.00	0.00	0.00	
6,100.0	5.50	270.00	6,084.3	0.0	-331.9	34.6	0.00	0.00	0.00	
6,200.0	5.50	270.00	6,183.8	0.0	-341.5	35.6	0.00	0.00	0.00	
6,300.0	5.50	270.00	6,283.3	0.0	-351.0	36.6	0.00	0.00	0.00	
6,400.0	5.50	270.00	6,382.9	0.0	-360.6	37.6	0.00	0.00	0.00	
6,500.0	5.50	270.00	6,482.4	0.0	-370.2	38.6	0.00	0.00	0.00	
6,600.0	5.50	270.00	6,582.0	0.0	-379.8	39.6	0.00	0.00	0.00	
6,700.0	5.50	270.00	6,681.5	0.0	-389.4	40.7	0.00	0.00	0.00	
6,800.0	5.50	270.00	6,781.0	0.0	-399.0	41.7	0.00	0.00	0.00	
6,900.0	5.50	270.00	6,880.6	0.0	-408.6	42.7	0.00	0.00	0.00	
7,000.0	5.50	270.00	6,980.1	0.0	-418.1	43.7	0.00	0.00	0.00	
7,100.0	5.50	270.00	7,079.7	0.0	-427.7	44.7	0.00	0.00	0.00	
7,200.0	5.50	270.00	7,179.2	0.0	-437.3	45.7	0.00	0.00	0.00	
7,300.0	5.50	270.00	7,278.7	0.0	-446.9	46.7	0.00	0.00	0.00	
7,400.0	5.50	270.00	7,378.3	0.0	-456.5	47.7	0.00	0.00	0.00	
7,500.0	5.50	270.00	7,477.8	0.0	-466.1	48.7	0.00	0.00	0.00	
7,566.0	5.50	270.00	7,543.5	0.0	-472.4	49.3	0.00	0.00	0.00	
Start DLS 12.00 TFO 62.40										
7,600.0	8.23	296.16	7,577.3	1.1	-476.2	50.8	12.00	8.02	76.90	
7,700.0	19.24	318.16	7,674.3	16.6	-493.7	68.0	12.00	11.01	21.99	
7,800.0	30.98	324.13	7,764.7	49.8	-519.8	103.8	12.00	11.74	5.98	
7,900.0	42.86	327.02	7,844.5	99.4	-553.6	156.6	12.00	11.88	2.89	
8,000.0	54.78	328.84	7,910.3	163.1	-593.4	224.2	12.00	11.92	1.82	
8,100.0	66.73	330.19	7,959.0	238.2	-637.5	303.4	12.00	11.94	1.35	
8,200.0	78.68	331.32	7,988.7	321.4	-684.0	391.0	12.00	11.95	1.12	
8,292.4	89.73	332.27	7,998.0	402.3	-727.4	476.0	12.00	11.96	1.03	
Start DLS 2.00 TFO 90.07										
8,300.0	89.73	332.42	7,998.1	409.0	-730.9	483.1	2.00	0.00	2.00	
8,400.0	89.73	334.42	7,998.5	498.4	-775.7	576.7	2.00	0.00	2.00	
8,500.0	89.73	336.42	7,999.0	589.3	-817.3	671.4	2.00	0.00	2.00	
8,600.0	89.72	338.42	7,999.5	681.7	-855.7	767.3	2.00	0.00	2.00	
8,700.0	89.72	340.42	8,000.0	775.3	-890.8	864.0	2.00	0.00	2.00	
8,800.0	89.72	342.42	8,000.5	870.1	-922.7	961.6	2.00	0.00	2.00	
8,900.0	89.72	344.42	8,001.0	965.9	-951.2	1,059.9	2.00	0.00	2.00	
9,000.0	89.72	346.42	8,001.4	1,062.7	-976.4	1,158.8	2.00	0.00	2.00	
9,100.0	89.72	348.42	8,001.9	1,160.3	-998.1	1,258.1	2.00	0.00	2.00	
9,200.0	89.72	350.42	8,002.4	1,258.6	-1,016.5	1,357.8	2.00	0.00	2.00	
9,300.0	89.72	352.42	8,002.9	1,357.4	-1,031.4	1,457.7	2.00	0.00	2.00	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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)
9,400.0	89.72	354.42	8,003.4	1,456.8	-1,042.9	1,557.7	2.00	0.00	2.00
9,500.0	89.73	356.42	8,003.9	1,556.5	-1,050.8	1,657.7	2.00	0.00	2.00
9,600.0	89.73	358.42	8,004.3	1,656.3	-1,055.3	1,757.5	2.00	0.00	2.00
9,658.0	89.73	359.58	8,004.6	1,714.3	-1,056.4	1,815.2	2.00	0.00	2.00
Start 3777.5 hold at 9658.0 MD									
9,700.0	89.73	359.58	8,004.8	1,756.3	-1,056.7	1,857.0	0.00	0.00	0.00
9,800.0	89.73	359.58	8,005.3	1,856.3	-1,057.4	1,956.6	0.00	0.00	0.00
9,900.0	89.73	359.58	8,005.8	1,956.3	-1,058.1	2,056.1	0.00	0.00	0.00
10,000.0	89.73	359.58	8,006.2	2,056.3	-1,058.9	2,155.6	0.00	0.00	0.00
10,100.0	89.73	359.58	8,006.7	2,156.3	-1,059.6	2,255.2	0.00	0.00	0.00
10,200.0	89.73	359.58	8,007.2	2,256.3	-1,060.3	2,354.7	0.00	0.00	0.00
10,300.0	89.73	359.58	8,007.6	2,356.3	-1,061.0	2,454.2	0.00	0.00	0.00
10,400.0	89.73	359.58	8,008.1	2,456.3	-1,061.8	2,553.7	0.00	0.00	0.00
10,500.0	89.73	359.58	8,008.6	2,556.3	-1,062.5	2,653.3	0.00	0.00	0.00
10,600.0	89.73	359.58	8,009.1	2,656.3	-1,063.2	2,752.8	0.00	0.00	0.00
10,700.0	89.73	359.58	8,009.5	2,756.3	-1,064.0	2,852.3	0.00	0.00	0.00
10,800.0	89.73	359.58	8,010.0	2,856.3	-1,064.7	2,951.8	0.00	0.00	0.00
10,900.0	89.73	359.58	8,010.5	2,956.3	-1,065.4	3,051.4	0.00	0.00	0.00
11,000.0	89.73	359.58	8,011.0	3,056.3	-1,066.2	3,150.9	0.00	0.00	0.00
11,100.0	89.73	359.58	8,011.4	3,156.3	-1,066.9	3,250.4	0.00	0.00	0.00
11,200.0	89.73	359.58	8,011.9	3,256.3	-1,067.6	3,349.9	0.00	0.00	0.00
11,300.0	89.73	359.58	8,012.4	3,356.3	-1,068.3	3,449.5	0.00	0.00	0.00
11,400.0	89.73	359.58	8,012.9	3,456.3	-1,069.1	3,549.0	0.00	0.00	0.00
11,500.0	89.73	359.58	8,013.3	3,556.3	-1,069.8	3,648.5	0.00	0.00	0.00
11,600.0	89.73	359.58	8,013.8	3,656.3	-1,070.5	3,748.0	0.00	0.00	0.00
11,700.0	89.73	359.58	8,014.3	3,756.3	-1,071.3	3,847.6	0.00	0.00	0.00
11,800.0	89.73	359.58	8,014.8	3,856.3	-1,072.0	3,947.1	0.00	0.00	0.00
11,900.0	89.73	359.58	8,015.2	3,956.2	-1,072.7	4,046.6	0.00	0.00	0.00
12,000.0	89.73	359.58	8,015.7	4,056.2	-1,073.5	4,146.1	0.00	0.00	0.00
12,100.0	89.73	359.58	8,016.2	4,156.2	-1,074.2	4,245.7	0.00	0.00	0.00
12,200.0	89.73	359.58	8,016.6	4,256.2	-1,074.9	4,345.2	0.00	0.00	0.00
12,300.0	89.73	359.58	8,017.1	4,356.2	-1,075.7	4,444.7	0.00	0.00	0.00
12,400.0	89.73	359.58	8,017.6	4,456.2	-1,076.4	4,544.3	0.00	0.00	0.00
12,500.0	89.73	359.58	8,018.1	4,556.2	-1,077.1	4,643.8	0.00	0.00	0.00
12,600.0	89.73	359.58	8,018.5	4,656.2	-1,077.8	4,743.3	0.00	0.00	0.00
12,700.0	89.73	359.58	8,019.0	4,756.2	-1,078.6	4,842.8	0.00	0.00	0.00
12,800.0	89.73	359.58	8,019.5	4,856.2	-1,079.3	4,942.4	0.00	0.00	0.00
12,900.0	89.73	359.58	8,020.0	4,956.2	-1,080.0	5,041.9	0.00	0.00	0.00
13,000.0	89.73	359.58	8,020.4	5,056.2	-1,080.8	5,141.4	0.00	0.00	0.00
13,100.0	89.73	359.58	8,020.9	5,156.2	-1,081.5	5,240.9	0.00	0.00	0.00
13,200.0	89.73	359.58	8,021.4	5,256.2	-1,082.2	5,340.5	0.00	0.00	0.00
13,300.0	89.73	359.58	8,021.9	5,356.2	-1,083.0	5,440.0	0.00	0.00	0.00
13,400.0	89.73	359.58	8,022.3	5,456.2	-1,083.7	5,539.5	0.00	0.00	0.00
13,435.5	89.73	359.58	8,022.5	5,491.7	-1,083.9	5,574.9	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	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 -91.53									
13,441.9	89.73	359.45	8,022.5	5,498.1	-1,084.0	5,581.2	2.00	-0.05	-2.00
Start 5311.3 hold at 13441.9 MD									
13,500.0	89.73	359.45	8,022.8	5,556.2	-1,084.6	5,639.1	0.00	0.00	0.00
13,600.0	89.73	359.45	8,023.3	5,656.2	-1,085.5	5,738.6	0.00	0.00	0.00
13,700.0	89.73	359.45	8,023.8	5,756.2	-1,086.5	5,838.1	0.00	0.00	0.00
13,800.0	89.73	359.45	8,024.2	5,856.2	-1,087.4	5,937.7	0.00	0.00	0.00
13,900.0	89.73	359.45	8,024.7	5,956.2	-1,088.4	6,037.2	0.00	0.00	0.00
14,000.0	89.73	359.45	8,025.2	6,056.2	-1,089.3	6,136.8	0.00	0.00	0.00
14,100.0	89.73	359.45	8,025.7	6,156.2	-1,090.3	6,236.3	0.00	0.00	0.00
14,200.0	89.73	359.45	8,026.2	6,256.1	-1,091.2	6,335.9	0.00	0.00	0.00
14,300.0	89.73	359.45	8,026.6	6,356.1	-1,092.2	6,435.4	0.00	0.00	0.00
14,400.0	89.73	359.45	8,027.1	6,456.1	-1,093.1	6,535.0	0.00	0.00	0.00
14,500.0	89.73	359.45	8,027.6	6,556.1	-1,094.1	6,634.5	0.00	0.00	0.00
14,600.0	89.73	359.45	8,028.1	6,656.1	-1,095.0	6,734.1	0.00	0.00	0.00
14,700.0	89.73	359.45	8,028.6	6,756.1	-1,096.0	6,833.6	0.00	0.00	0.00
14,800.0	89.73	359.45	8,029.0	6,856.1	-1,096.9	6,933.2	0.00	0.00	0.00
14,900.0	89.73	359.45	8,029.5	6,956.1	-1,097.9	7,032.7	0.00	0.00	0.00
15,000.0	89.73	359.45	8,030.0	7,056.1	-1,098.9	7,132.3	0.00	0.00	0.00
15,100.0	89.73	359.45	8,030.5	7,156.1	-1,099.8	7,231.8	0.00	0.00	0.00
15,200.0	89.73	359.45	8,031.0	7,256.1	-1,100.8	7,331.4	0.00	0.00	0.00
15,300.0	89.73	359.45	8,031.4	7,356.1	-1,101.7	7,430.9	0.00	0.00	0.00
15,400.0	89.73	359.45	8,031.9	7,456.1	-1,102.7	7,530.5	0.00	0.00	0.00
15,500.0	89.73	359.45	8,032.4	7,556.1	-1,103.6	7,630.0	0.00	0.00	0.00
15,600.0	89.73	359.45	8,032.9	7,656.1	-1,104.6	7,729.5	0.00	0.00	0.00
15,700.0	89.73	359.45	8,033.4	7,756.1	-1,105.5	7,829.1	0.00	0.00	0.00
15,800.0	89.73	359.45	8,033.8	7,856.1	-1,106.5	7,928.6	0.00	0.00	0.00
15,900.0	89.73	359.45	8,034.3	7,956.1	-1,107.4	8,028.2	0.00	0.00	0.00
16,000.0	89.73	359.45	8,034.8	8,056.0	-1,108.4	8,127.7	0.00	0.00	0.00
16,100.0	89.73	359.45	8,035.3	8,156.0	-1,109.3	8,227.3	0.00	0.00	0.00
16,200.0	89.73	359.45	8,035.8	8,256.0	-1,110.3	8,326.8	0.00	0.00	0.00
16,300.0	89.73	359.45	8,036.2	8,356.0	-1,111.2	8,426.4	0.00	0.00	0.00
16,400.0	89.73	359.45	8,036.7	8,456.0	-1,112.2	8,525.9	0.00	0.00	0.00
16,500.0	89.73	359.45	8,037.2	8,556.0	-1,113.2	8,625.5	0.00	0.00	0.00
16,600.0	89.73	359.45	8,037.7	8,656.0	-1,114.1	8,725.0	0.00	0.00	0.00
16,700.0	89.73	359.45	8,038.2	8,756.0	-1,115.1	8,824.6	0.00	0.00	0.00
16,800.0	89.73	359.45	8,038.6	8,856.0	-1,116.0	8,924.1	0.00	0.00	0.00
16,900.0	89.73	359.45	8,039.1	8,956.0	-1,117.0	9,023.7	0.00	0.00	0.00
17,000.0	89.73	359.45	8,039.6	9,056.0	-1,117.9	9,123.2	0.00	0.00	0.00
17,100.0	89.73	359.45	8,040.1	9,156.0	-1,118.9	9,222.8	0.00	0.00	0.00
17,200.0	89.73	359.45	8,040.6	9,256.0	-1,119.8	9,322.3	0.00	0.00	0.00
17,300.0	89.73	359.45	8,041.0	9,356.0	-1,120.8	9,421.9	0.00	0.00	0.00
17,400.0	89.73	359.45	8,041.5	9,456.0	-1,121.7	9,521.4	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	89.73	359.45	8,042.0	9,556.0	-1,122.7	9,620.9	0.00	0.00	0.00
17,600.0	89.73	359.45	8,042.5	9,656.0	-1,123.6	9,720.5	0.00	0.00	0.00
17,700.0	89.73	359.45	8,042.9	9,755.9	-1,124.6	9,820.0	0.00	0.00	0.00
17,800.0	89.73	359.45	8,043.4	9,855.9	-1,125.5	9,919.6	0.00	0.00	0.00
17,900.0	89.73	359.45	8,043.9	9,955.9	-1,126.5	10,019.1	0.00	0.00	0.00
18,000.0	89.73	359.45	8,044.4	10,055.9	-1,127.4	10,118.7	0.00	0.00	0.00
18,100.0	89.73	359.45	8,044.9	10,155.9	-1,128.4	10,218.2	0.00	0.00	0.00
18,200.0	89.73	359.45	8,045.3	10,255.9	-1,129.4	10,317.8	0.00	0.00	0.00
18,300.0	89.73	359.45	8,045.8	10,355.9	-1,130.3	10,417.3	0.00	0.00	0.00
18,400.0	89.73	359.45	8,046.3	10,455.9	-1,131.3	10,516.9	0.00	0.00	0.00
18,500.0	89.73	359.45	8,046.8	10,555.9	-1,132.2	10,616.4	0.00	0.00	0.00
18,600.0	89.73	359.45	8,047.3	10,655.9	-1,133.2	10,716.0	0.00	0.00	0.00
18,700.0	89.73	359.45	8,047.7	10,755.9	-1,134.1	10,815.5	0.00	0.00	0.00
18,753.2	89.73	359.45	8,048.0	10,809.1	-1,134.6	10,868.5	0.00	0.00	0.00
TD at 18753.2									

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 353.6usft at 8295.3usft MD (7998.0 TVD, 404.8 N, -728.7 E) - Circle (radius 50.0)	0.00	0.00	7,994.0	240.7	-1,041.9	403,112.36	573,649.38	32° 6' 28.975 N	104° 5' 43.698 W
T1 (MYOX 21 ST COI) - plan hits target center - Rectangle (sides W100.0 H5,303.0 D20.0)	-0.27	179.58	8,022.5	5,491.7	-1,083.9	408,363.35	573,607.33	32° 7' 20.943 N	104° 5' 44.052 W
LTP (MYOX 21 ST CC) - plan misses target center by 3.2usft at 18700.0usft MD (8047.7 TVD, 10755.9 N, -1134.1 E) - Point	0.00	0.00	8,048.0	10,759.1	-1,134.2	413,630.70	573,557.09	32° 8' 13.072 N	104° 5' 44.501 W
PBHL (MYOX 21 ST C) - plan hits target center - Rectangle (sides W100.0 H5,317.0 D20.0)	-0.27	179.45	8,048.0	10,809.1	-1,134.6	413,680.70	573,556.64	32° 8' 13.567 N	104° 5' 44.505 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 4791.0 hold at 2775.0 MD
7566	7544	0	-472	Start DLS 12.00 TFO 62.40
8292	7998	402	-727	Start DLS 2.00 TFO 90.07
9658	8005	1714	-1056	Start 3777.5 hold at 9658.0 MD
13,436	8023	5492	-1084	Start DLS 2.00 TFO -91.53
13,442	8023	5498	-1084	Start 5311.3 hold at 13441.9 MD
18,753	8048	10,809	-1135	TD at 18753.2

Concho Resources LLC

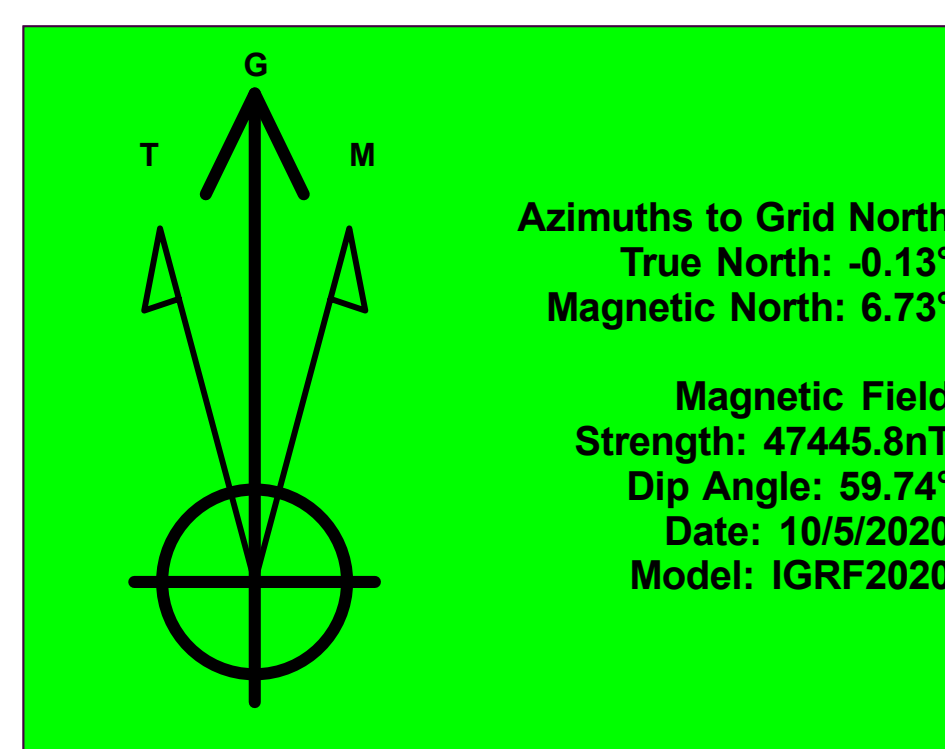
Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 21 ST COM #503H
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 #503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Checked By: _____ Approved By: _____ Date: _____

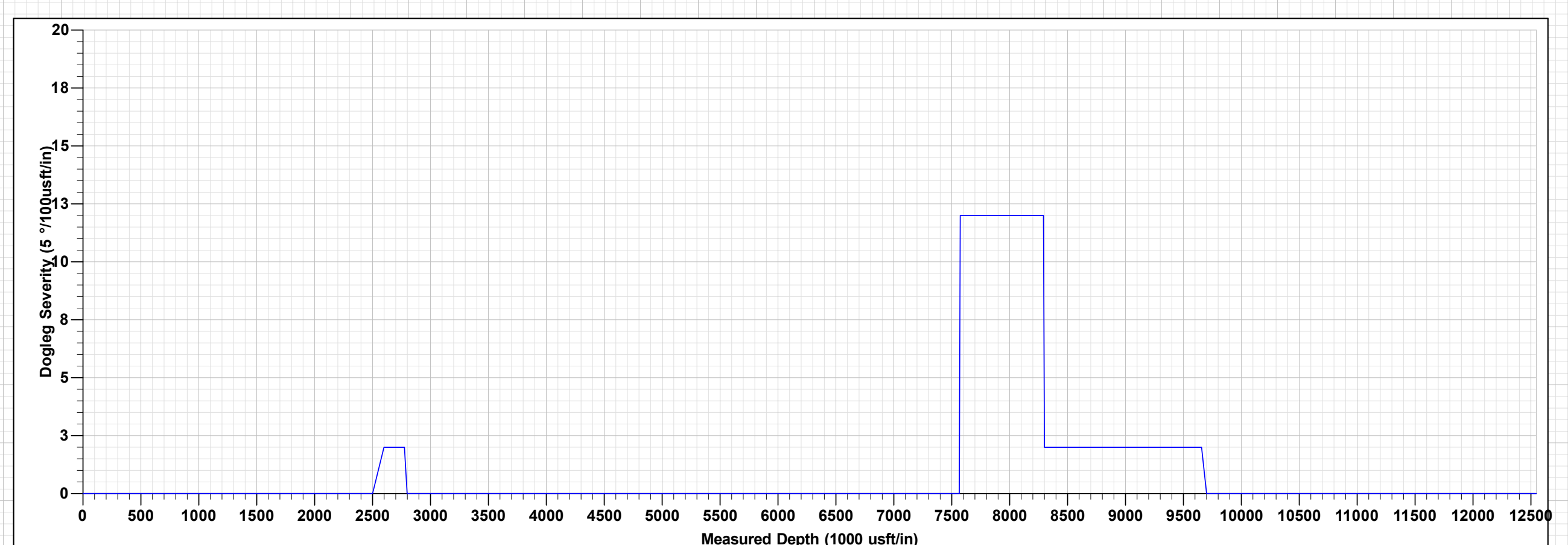
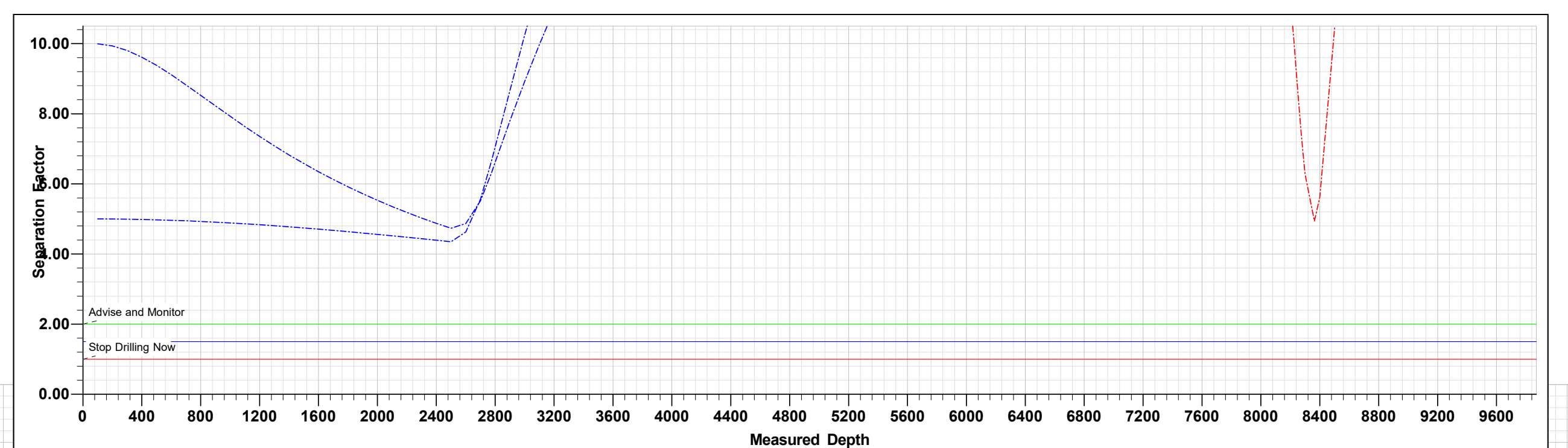


Project: ATLAS PROSPECT (NM-E)
Site: MYOX 21 STATE PROJECT (ATLAS 2528)
Well: MYOX 21 ST COM #503H
Wellbore: OWB
Design: PWP2
GL: 2968.0
*KB=30' @ 2998.0usft (TBD)



WELL DETAILS: MYOX 21 ST COM #503H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	402871.63	574691.27	32° 6' 26.570 N	104° 5' 31.590 W

DESIGN TARGET DETAILS							
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
F1 (MYOX 21 ST COM #503H)	7994.0	240.7	-1041.9	403112.36	573649.38	32° 6' 28.975 N	104° 5' 43.898 W
TP1 (MYOX 21 ST COM #503H)	8022.5	5491.7	-1083.9	408363.35	573607.33	32° 7' 20.943 N	104° 5' 44.052 W
LTP (MYOX 21 ST COM #503H)	8048.0	10759.1	-1134.2	413630.70	573557.09	32° 8' 13.072 N	104° 5' 44.501 W
PBHL (MYOX 21 ST COM #503H)	8048.0	10809.1	-1134.6	413680.70	573556.64	32° 8' 13.567 N	104° 5' 44.505 W



MYOX 21 ST COM #503H										
	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
	2500.0	0.0	0.0	2500.0	0.0	0.0	0.0	0.0	0.0	Start Build 2.00
	2776.0	5.50	270.0	2776.0	0.0	-13.4	2.00	270.0	1.4	Start 4791.0 hold at 2776.0 MD
	7566.0	5.50	270.0	7543.5	0.0	-472.4	0.0	0.0	49.3	Start DLS 12.00 TFO 62.40
	8292.4	89.73	332.27	7998.0	402.3	-727.4	12.00	62.40	476.0	Start DLS 2.00 TFO 90.07
	9658.0	89.73	359.58	8004.6	1714.3	-1056.4	2.00	90.07	1815.2	Start 3777.5 hold at 9658.0 MD
	13434.5	89.73	359.58	8022.5	5491.7	-1083.9	0.0	0.0	5574.9	Start DLS 2.00 TFO -81.53
	13441.9	89.73	359.45	8022.5	5408.1	-1084.5	0.0	-91.53	5580.2	Start 5311.3 hold at 13441.9 MD
	18735.2	89.73	359.45	8042.0	10809.1	-1134.6	0.0	-9.00	10888.5	TD at 18750.42

