

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 291153

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 30-015-47929
4. Property Code 329975	5. Property Name MYOX 4 16 STATE COM	6. Well No. 705H

7. Surface Location

UL - Lot F	Section 4	Township 26S	Range 28E	Lot Idn F	Feet From 2115	N/S Line N	Feet From 1570	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot N	Section 16	Township 26S	Range 28E	Lot Idn N	Feet From 200	N/S Line S	Feet From 1438	E/W Line W	County Eddy
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9. Pool Information

PURPLE SAGE;WOLFCAMP (GAS)	98220
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Additional Well Information

11. Work Type New Well	12. Well Type GAS	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 2989
16. Multiple N	17. Proposed Depth 22745	18. Formation Wolfcamp	19. Contractor	20. Spud Date 2/1/2021
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	14.75	10.75	45.5	750	500	0
Int1	9.875	7.625	29.7	8725	1250	0
Prod	6.75	5.5	23	22745	1300	8200

Casing/Cement Program: Additional Comments

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22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	5000	5000	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: 1/13/2021	Expiration Date: 1/13/2023
Date: 1/12/2021	Phone: 432-685-4385	Conditions of Approval Attached

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State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code	5 Property Name MYOX 4 16 STATE COM	6 Well Number 705H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 2989'

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
F	4	26-S	28-E		2115'	NORTH	1570'	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
N	16	26-S	28-E		200'	SOUTH	1438'	WEST	EDDY

12 Dedicated Acres 800	13 Joint or Infill	14 Consolidation Code	15 Order No.
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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.

CORNER DATA
NEW MEXICO EAST - NAD 83

A - FOUND IRON PIPE W/ BRASS CAP
N:392529.06' E:613351.46'

B - FOUND IRON PIPE W/ BRASS CAP
N:392531.80' E:616012.57'

C - FOUND IRON PIPE W/ BRASS CAP
N:392534.13' E:618672.01'

D - CALCULATED CORNER
N:389881.51' E:618722.69'

E - FOUND IRON ROD NO CAP
N:387228.88' E:618773.38'

F - CALCULATED CORNER
N:387234.29' E:616099.89'

G - CALCULATED CORNER
N:387239.69' E:613426.41'

H - FOUND IRON ROD NO CAP
N:389887.40' E:613383.37'

I - CALCULATED CORNER
N:384578.45' E:618773.81'

J - FOUND IRON
N:381928.01' E:618774.25'

K - CALCULATED CORNER
N:381936.14' E:616099.30'

L - CALCULATED CORNER
N:381944.28' E:613424.35'

M - CALCULATED CORNER
N:384591.98' E:613425.38'

N - FOUND 5/8" IRON ROD W/ ALUM CAP
N:379277.91' E:618772.66'

O - FOUND IRON PIPE W/ BRASS CAP
N:376622.82' E:618799.52'

P - CALCULATED CORNER
N:376631.44' E:616063.29'

Q - FOUND BENT IRON PIPE TAGGED W/ WASHER
N:376640.07' E:613327.06'

R - FOUND LIMESTONE MARKED 1/4
N:379296.57' E:613303.89'

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=614762.28
Y=376965.54
LAT.= 32.03613686° N
LONG.= 104.09837741° W
330' FSL, 1438' FWL
SECTION 16

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=614763.41
Y=376835.54
LAT.= 32.03577948° N
LONG.= 104.09637467° W
200' FSL, 1438' FWL
SECTION 16

SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=614947.06
Y=3990415.66
LAT.= 32.07310953° N
LONG.= 104.09568554° W
2115' FNL, 1570' FWL
SECTION 4

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=614821.89
Y=389866.88
LAT.= 32.07160172° N
LONG.= 104.09609352° W
2630' FSL, 1438' FWL
SECTION 4

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: 1/11/2021

Printed Name: _____

E-mail Address: _____

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

Date of Survey: _____

Signature and Seal of Professional Surveyor:

Certificate Number: _____

Intent ☒ As Drilled ☐API #
30-015

Operator Name:	Property Name:	Well Number
COG Operating LLC	Myox 4 16 State Com	705H

Kick Off Point (KOP)

UL F	Section 4	Township 26S	Range 28E	Lot	Feet	From N/S	Feet	From E/W	County Eddy
Latitude					Longitude			NAD 83	

First Take Point (FTP)

UL K	Section 4	Township 26S	Range 28E	Lot	Feet 2630	From N/S South	Feet 1438	From E/W West	County Eddy
Latitude 32.07160172					Longitude -104.09609352			NAD NAD 83	

Last Take Point (LTP)

UL N	Section 16	Township 26S	Range 28E	Lot	Feet 330	From N/S South	Feet 1438	From E/W West	County Eddy
Latitude 32.03613686					Longitude -104.09637741			NAD 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:	Property Name:	Well Number
COG Operating LLC	Myox 4 16 State Com	705H

KZ 06/29/2018

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GAS CAPTURE PLAN

Date: 1/13/2021

☒ 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 4 16 STATE COM #705H	30-015-47929	F-4-26S-28E	2115N 1570W	5500	None	Processing Plant location : Sec 35, Blk 57 T-2-S, Culberson Co. Texas

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. 04, Twn. 26S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

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

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

Alternatives to Reduce Flaring

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

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

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Form APD Comments

Permit 291153

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-47929
		Well: MYOX 4 16 STATE COM #705H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 291153

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-47929
	Well: MYOX 4 16 STATE COM #705H

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	Once the well is spud, to prevent ground water contamination through whole or partial conduits from the surface, the operator shall drill without interruption through the fresh water zone or zones and shall immediately set in cement the water protection string
kpickford	Oil base muds are not to be used until fresh water zones are cased and cemented providing isolation from the oil or diesel. This includes synthetic oils. Oil based mud, drilling fluids and solids must be contained in a steel closed loop system
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
kpickford	Surface casing must be set 25' below top of Rustler Anhydrite or salt in order to seal off protectable water

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 4 28 & 16 ST COM PROJECT

MYOX 4 16 ST COM #705H

OWB

PWP3

Anticollision Report

05 January, 2021

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Reference	PWP3		
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	1/5/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	8,829.0	PWP3 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
8,829.0	22,745.2	PWP3 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
BOO RADLEY COM PROJECT						
BOO RADLEY COM #704H - OWB - PWP1	22,745.2	9,229.2	660.3	515.0	4.543	CC, ES, SF
BOO RADLEY COM #705H - OWB - PWP1	22,745.2	9,322.8	192.2	102.3	2.138	CC, ES, SF
BOO RADLEY COM #706H - OWB - PWP1	22,745.2	9,211.7	686.0	563.1	5.583	CC, ES, SF
HONEY GRAHAM STATE PROJECT (ATLAS 2628)						
GRAHAM CRACKER 16 STATE #9H - OWB - ACTUAL V	22,629.7	13,611.0	970.1	778.8	5.071	CC, ES, SF
TEDDY GRAHAM STATE COM #1 - OWB - ACTUAL WE	16,967.0	9,438.8	902.7	624.0	3.239	CC, ES
TEDDY GRAHAM STATE COM #1 - OWB - ACTUAL WE	17,000.0	9,439.0	903.3	624.3	3.238	SF
MYOX 4 28 & 16 ST COM PROJECT						
MYOX 4 16 ST COM #704H - OWB - PWP3	2,500.0	2,500.0	30.0	17.4	2.369	CC, ES, SF
MYOX 4 16 ST COM #706H - OWB - PWP2	2,500.0	2,500.0	30.0	23.1	4.344	CC, ES, SF
MYOX 4 28 ST COM #704H - OWB - PWP1	9,630.5	9,389.7	336.9	316.1	16.223	CC
MYOX 4 28 ST COM #704H - OWB - PWP1	9,650.0	9,377.7	337.0	315.8	15.866	ES
MYOX 4 28 ST COM #704H - OWB - PWP1	9,900.0	9,238.7	368.7	342.5	14.093	SF
MYOX 4 28 ST COM #705H - OWB - PWP1	9,410.5	9,690.2	222.5	204.8	12.625	CC
MYOX 4 28 ST COM #705H - OWB - PWP1	9,450.0	9,656.6	223.0	204.3	11.875	ES
MYOX 4 28 ST COM #705H - OWB - PWP1	9,730.5	9,436.2	240.2	214.6	9.387	SF
MYOX 4 28 ST COM #706H - OWB - PWP1	9,906.1	9,134.0	653.0	630.9	29.478	CC, ES
MYOX 4 28 ST COM #706H - OWB - PWP1	10,100.0	9,075.4	681.7	657.0	27.654	SF
SRO STATE PROJECT (ATLAS 2628)						
SRO 4 STATE COM #501H - OWB - ACTUAL WELLPAT	8,062.9	9,840.2	52.3	26.4	2.023	CC, ES, SF
SRO 4 STATE COM #502H - OWB - ACTUAL WELLPAT	7,961.0	9,723.6	617.2	591.5	24.077	CC, ES
SRO 4 STATE COM #502H - OWB - ACTUAL WELLPAT	8,200.0	9,721.1	661.8	633.9	23.692	SF

Offset Design												BOO RADLEY COM PROJECT - BOO RADLEY COM #704H - OWB - PWP1		Offset Site Error:		3.0 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				
22,100.0	9,368.7	9,117.1	9,089.6	111.7	32.6	-61.00	-13,684.6	399.3	997.2	890.6	106.63	9.352					
22,200.0	9,368.5	9,128.5	9,100.3	112.5	32.7	-61.89	-13,688.0	401.1	925.3	813.1	112.17	8.249					
22,300.0	9,368.2	9,150.0	9,120.3	113.4	32.7	-63.58	-13,694.9	404.8	858.7	740.6	118.12	7.270					

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design BOO RADLEY COM PROJECT - BOO RADLEY COM #704H - OWB - PWP1												Offset Site Error:	3.0 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
22,400.0	9,367.9	9,150.0	9,120.3	114.2	32.7	-63.58	-13,694.9	404.8	798.4	673.7	124.70	6.403	
22,500.0	9,367.7	9,173.5	9,141.9	115.1	32.8	-65.44	-13,703.3	409.1	746.0	614.7	131.23	5.684	
22,600.0	9,367.4	9,200.0	9,165.6	115.9	32.9	-67.54	-13,713.8	414.1	703.0	565.4	137.58	5.110	
22,700.0	9,367.1	9,217.1	9,180.7	116.8	33.0	-68.90	-13,721.2	417.6	670.9	527.7	143.21	4.685	
22,745.2	9,367.0	9,229.2	9,191.2	117.2	33.0	-69.85	-13,726.6	420.0	660.3	515.0	145.35	4.543 CC, ES, SF	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design BOO RADLEY COM PROJECT - BOO RADLEY COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8877-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
21,900.0	9,369.3	9,100.0	9,095.0	109.9	12.4	1.29	-13,599.0	-191.5	922.4	868.0	54.48	16.931	
22,000.0	9,369.0	9,100.0	9,095.0	110.8	12.4	1.29	-13,599.0	-191.5	829.4	771.5	57.90	14.325	
22,100.0	9,368.7	9,124.2	9,117.3	111.7	12.4	1.37	-13,608.4	-191.6	737.2	677.4	59.73	12.342	
22,200.0	9,368.5	9,150.0	9,140.7	112.5	12.4	1.45	-13,619.4	-191.6	646.4	584.6	61.82	10.456	
22,300.0	9,368.2	9,165.1	9,154.0	113.4	12.4	1.50	-13,626.3	-191.7	557.0	490.9	66.07	8.430	
22,400.0	9,367.9	9,200.0	9,184.4	114.2	12.5	1.64	-13,643.6	-191.8	469.8	401.3	68.49	6.859	
22,500.0	9,367.7	9,221.0	9,202.1	115.1	12.5	1.73	-13,654.9	-191.8	384.7	310.0	74.76	5.146	
22,600.0	9,367.4	9,250.0	9,225.8	115.9	12.5	1.88	-13,671.5	-191.9	303.2	221.1	82.10	3.693	
22,700.0	9,367.1	9,300.0	9,264.7	116.8	12.6	2.20	-13,703.0	-192.1	225.5	138.7	86.82	2.598	
22,745.2	9,367.0	9,322.8	9,281.4	117.2	12.6	2.38	-13,718.5	-192.1	192.2	102.3	89.90	2.138 CC, ES, SF	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design BOO RADLEY COM PROJECT - BOO RADLEY COM #706H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8916-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
22,200.0	9,368.5	9,100.0	9,071.2	112.5	10.5	60.18	-13,690.2	-784.9	960.5	869.9	90.63	10.598	
22,300.0	9,368.2	9,118.1	9,087.9	113.4	10.5	61.52	-13,696.2	-788.0	893.4	797.0	96.41	9.266	
22,400.0	9,367.9	9,134.0	9,102.5	114.2	10.5	62.72	-13,702.0	-790.8	832.3	729.7	102.66	8.107	
22,500.0	9,367.7	9,150.0	9,117.0	115.1	10.5	63.92	-13,708.1	-793.7	778.5	669.4	109.11	7.135	
22,600.0	9,367.4	9,173.8	9,138.1	115.9	10.5	65.71	-13,717.9	-798.3	733.4	618.2	115.22	6.365	
22,700.0	9,367.1	9,200.0	9,160.9	116.8	10.5	67.67	-13,729.8	-803.6	698.3	577.5	120.71	5.785	
22,745.2	9,367.0	9,211.7	9,170.9	117.2	10.5	68.55	-13,735.4	-806.0	686.0	563.1	122.86	5.583 CC, ES, SF	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design HONEY GRAHAM STATE PROJECT (ATLAS 2628) - GRAHAM CRACKER 16 STATE #9H - OWB - AC												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7922-MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
22,300.0	9,368.2	13,366.9	9,154.2	113.4	74.1	73.94	-13,201.8	-1,128.2	993.8	809.4	184.41	5.389	
22,400.0	9,367.9	13,466.0	9,156.7	114.2	75.7	73.97	-13,300.8	-1,122.0	985.1	798.3	186.85	5.272	
22,500.0	9,367.7	13,554.4	9,158.3	115.1	77.2	73.96	-13,389.0	-1,116.8	977.0	787.8	189.20	5.164	
22,600.0	9,367.4	13,611.0	9,158.9	115.9	78.1	73.93	-13,445.5	-1,113.7	970.5	779.4	191.12	5.078	
22,629.7	9,367.3	13,611.0	9,158.9	116.2	78.1	73.93	-13,445.5	-1,113.7	970.1	778.8	191.29	5.071	CC, ES, SF
22,700.0	9,367.1	13,611.0	9,158.9	116.8	78.1	73.93	-13,445.5	-1,113.7	972.6	781.6	191.01	5.092	
22,745.2	9,367.0	13,611.0	9,158.9	117.2	78.1	73.93	-13,445.5	-1,113.7	976.9	786.6	190.34	5.133	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design HONEY GRAHAM STATE PROJECT (ATLAS 2628) - TEDDY GRAHAM STATE COM #1 - OWB - ACTL												Offset Site Error:	0.0 usft
Survey Program: 207-INC-ONLY												Offset Well Error:	0.0 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
16,600.0	9,383.5	9,436.7	9,434.5	64.6	210.9	89.87	-7,802.2	-987.2	974.4	703.5	270.94	3.596	
16,700.0	9,383.2	9,437.3	9,435.1	65.5	210.9	89.91	-7,802.2	-987.2	941.3	667.6	273.74	3.439	
16,800.0	9,383.0	9,437.9	9,435.6	66.3	210.9	89.94	-7,802.2	-987.2	918.0	641.9	276.12	3.325	
16,900.0	9,382.7	9,438.4	9,436.2	67.2	210.9	89.98	-7,802.2	-987.2	905.1	627.3	277.90	3.257	
16,967.0	9,382.5	9,438.8	9,436.6	67.8	210.9	90.00	-7,802.2	-987.2	902.7	624.0	278.69	3.239 CC, ES	
17,000.0	9,382.4	9,439.0	9,436.8	68.1	210.9	90.02	-7,802.2	-987.2	903.3	624.3	278.96	3.238 SF	
17,100.0	9,382.1	9,439.6	9,437.3	68.9	210.9	90.05	-7,802.2	-987.2	912.4	633.1	279.27	3.267	
17,200.0	9,381.9	9,440.2	9,437.9	69.8	211.0	90.09	-7,802.2	-987.2	932.2	653.4	278.84	3.343	
17,300.0	9,381.6	9,440.7	9,438.5	70.6	211.0	90.13	-7,802.2	-987.2	962.1	684.3	277.80	3.463	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												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 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	89.85	0.1	30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	89.85	0.1	30.0	30.0	24.0	6.00	5.003	
200.0	200.0	200.0	200.0	3.0	3.0	89.85	0.1	30.0	30.0	24.0	6.04	4.972	
300.0	300.0	300.0	300.0	3.0	3.1	89.85	0.1	30.0	30.0	23.9	6.12	4.906	
400.0	400.0	400.0	400.0	3.0	3.2	89.85	0.1	30.0	30.0	23.8	6.24	4.812	
500.0	500.0	500.0	500.0	3.1	3.4	89.85	0.1	30.0	30.0	23.6	6.40	4.695	
600.0	600.0	600.0	600.0	3.1	3.6	89.85	0.1	30.0	30.0	23.4	6.58	4.561	
700.0	700.0	700.0	700.0	3.1	3.8	89.85	0.1	30.0	30.0	23.2	6.80	4.417	
800.0	800.0	800.0	800.0	3.2	4.0	89.85	0.1	30.0	30.0	23.0	7.04	4.268	
900.0	900.0	900.0	900.0	3.2	4.2	89.85	0.1	30.0	30.0	22.7	7.29	4.117	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	4.5	89.85	0.1	30.0	30.0	22.5	7.57	3.968	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	4.8	89.85	0.1	30.0	30.0	22.2	7.86	3.822	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	5.1	89.85	0.1	30.0	30.0	21.9	8.16	3.681	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	5.3	89.85	0.1	30.0	30.0	21.6	8.47	3.546	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	5.6	89.85	0.1	30.0	30.0	21.2	8.79	3.417	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	6.0	89.85	0.1	30.0	30.0	20.9	9.12	3.294	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	6.3	89.85	0.1	30.0	30.0	20.6	9.45	3.177	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	6.6	89.85	0.1	30.0	30.0	20.2	9.79	3.066	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	6.9	89.85	0.1	30.0	30.0	19.9	10.14	2.961	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	7.2	89.85	0.1	30.0	30.0	19.5	10.49	2.862	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	7.6	89.85	0.1	30.0	30.0	19.2	10.85	2.768	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	7.9	89.85	0.1	30.0	30.0	18.8	11.21	2.680	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	8.2	89.85	0.1	30.0	30.0	18.5	11.57	2.595	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	8.6	89.85	0.1	30.0	30.0	18.1	11.94	2.516	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	8.9	89.85	0.1	30.0	30.0	17.7	12.31	2.440	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	9.2	89.85	0.1	30.0	30.0	17.4	12.68	2.369 CC, ES, SF	
2,600.0	2,600.0	2,598.9	2,598.9	4.5	9.6	89.72	0.2	31.7	31.8	18.7	13.04	2.436	
2,700.0	2,700.0	2,697.6	2,697.5	4.6	9.9	89.42	0.4	36.8	36.9	23.5	13.38	2.761	
2,800.0	2,800.0	2,796.6	2,796.1	4.7	10.2	89.09	0.7	45.0	45.2	31.4	13.72	3.290	
2,900.0	2,900.0	2,896.2	2,895.3	4.8	10.5	88.84	1.1	53.6	53.9	39.8	14.09	3.822	
3,000.0	3,000.0	2,995.8	2,994.6	4.9	10.9	88.66	1.5	62.3	62.6	48.1	14.46	4.327	
3,100.0	3,100.0	3,095.4	3,093.8	5.0	11.2	88.53	1.8	71.0	71.3	56.4	14.83	4.805	
3,200.0	3,200.0	3,195.0	3,193.0	5.1	11.5	88.42	2.2	79.7	80.0	64.8	15.21	5.259	
3,300.0	3,300.0	3,294.7	3,292.3	5.2	11.9	88.34	2.6	88.3	88.7	73.1	15.59	5.690	
3,400.0	3,400.0	3,394.3	3,391.5	5.3	12.2	88.27	2.9	97.0	97.4	81.4	15.97	6.100	
3,500.0	3,500.0	3,493.9	3,490.8	5.4	12.6	88.21	3.3	105.7	106.1	89.8	16.35	6.490	
3,600.0	3,600.0	3,593.5	3,590.0	5.5	12.9	88.16	3.7	114.3	114.8	98.1	16.74	6.861	
3,700.0	3,700.0	3,693.1	3,689.2	5.7	13.2	88.12	4.0	123.0	123.5	106.4	17.12	7.215	
3,800.0	3,800.0	3,792.8	3,788.5	5.8	13.6	88.08	4.4	131.7	132.3	114.7	17.51	7.552	
3,900.0	3,900.0	3,892.4	3,887.7	5.9	13.9	88.05	4.8	140.4	141.0	123.1	17.90	7.874	
4,000.0	4,000.0	3,992.0	3,987.0	6.0	14.3	88.02	5.1	149.0	149.7	131.4	18.29	8.182	
4,100.0	4,100.0	4,091.6	4,086.2	6.1	14.6	88.00	5.5	157.7	158.4	139.7	18.69	8.475	
4,200.0	4,200.0	4,191.2	4,185.4	6.2	15.0	87.97	5.9	166.4	167.1	148.0	19.08	8.756	
4,300.0	4,300.0	4,290.9	4,284.7	6.3	15.3	87.95	6.3	175.0	175.8	156.3	19.48	9.025	
4,400.0	4,400.0	4,390.5	4,383.9	6.5	15.7	87.94	6.6	183.7	184.5	164.6	19.88	9.283	
4,500.0	4,500.0	4,490.1	4,483.2	6.6	16.0	87.92	7.0	192.4	193.2	173.0	20.28	9.530	
4,600.0	4,600.0	4,589.7	4,582.4	6.7	16.4	87.90	7.4	201.0	201.9	181.3	20.68	9.767	
4,700.0	4,700.0	4,689.3	4,681.6	6.8	16.7	87.89	7.7	209.7	210.7	189.6	21.08	9.994	
4,800.0	4,800.0	4,789.0	4,780.9	6.9	17.1	87.88	8.1	218.4	219.4	197.9	21.48	10.212	
4,900.0	4,900.0	4,888.6	4,880.1	7.0	17.4	87.86	8.5	227.1	228.1	206.2	21.89	10.422	
5,000.0	5,000.0	4,988.2	4,979.4	7.2	17.8	87.85	8.8	235.7	236.8	214.5	22.29	10.623	
5,100.0	5,100.0	5,087.8	5,078.6	7.3	18.1	87.84	9.2	244.4	245.5	222.8	22.70	10.817	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 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	
5,200.0	5,200.0	5,187.4	5,177.9	7.4	18.5	87.83	9.6	253.1	254.2	231.1	23.10	11.004	
5,300.0	5,300.0	5,287.1	5,277.1	7.5	18.8	87.82	9.9	261.7	262.9	239.4	23.51	11.184	
5,400.0	5,400.0	5,386.7	5,376.3	7.6	19.2	87.82	10.3	270.4	271.6	247.7	23.92	11.357	
5,500.0	5,500.0	5,486.3	5,475.6	7.8	19.5	87.81	10.7	279.1	280.4	256.0	24.33	11.524	
5,600.0	5,600.0	5,585.9	5,574.8	7.9	19.9	87.80	11.1	287.8	289.1	264.3	24.74	11.685	
5,700.0	5,700.0	5,685.5	5,674.1	8.0	20.2	87.79	11.4	296.4	297.8	272.6	25.15	11.841	
5,800.0	5,800.0	5,785.2	5,773.3	8.1	20.6	87.79	11.8	305.1	306.5	280.9	25.56	11.991	
5,900.0	5,900.0	5,884.8	5,872.5	8.3	20.9	87.78	12.2	313.8	315.2	289.2	25.97	12.137	
6,000.0	6,000.0	5,984.4	5,971.8	8.4	21.3	87.78	12.5	322.4	323.9	297.5	26.38	12.277	
6,100.0	6,100.0	6,084.0	6,071.0	8.5	21.7	87.77	12.9	331.1	332.6	305.8	26.80	12.413	
6,200.0	6,200.0	6,183.6	6,170.3	8.6	22.0	87.76	13.3	339.8	341.3	314.1	27.21	12.544	
6,300.0	6,300.0	6,283.3	6,269.5	8.8	22.4	87.76	13.6	348.4	350.0	322.4	27.63	12.671	
6,400.0	6,400.0	6,382.9	6,368.7	8.9	22.7	87.75	14.0	357.1	358.8	330.7	28.04	12.794	
6,500.0	6,500.0	6,482.5	6,468.0	9.0	23.1	87.75	14.4	365.8	367.5	339.0	28.46	12.913	
6,600.0	6,600.0	6,582.1	6,567.2	9.1	23.4	87.75	14.7	374.5	376.2	347.3	28.87	13.029	
6,700.0	6,700.0	6,681.7	6,666.5	9.2	23.8	87.74	15.1	383.1	384.9	355.6	29.29	13.141	
6,800.0	6,800.0	6,781.4	6,765.7	9.4	24.1	87.74	15.5	391.8	393.6	363.9	29.71	13.250	
6,900.0	6,900.0	6,881.0	6,865.0	9.5	24.5	87.73	15.8	400.5	402.3	372.2	30.12	13.355	
7,000.0	7,000.0	6,980.6	6,964.2	9.6	24.9	87.73	16.2	409.1	411.0	380.5	30.54	13.458	
7,100.0	7,100.0	7,080.2	7,063.4	9.7	25.2	87.73	16.6	417.8	419.7	388.8	30.96	13.557	
7,200.0	7,200.0	7,179.8	7,162.7	9.9	25.6	87.72	17.0	426.5	428.4	397.1	31.38	13.654	
7,300.0	7,300.0	7,279.5	7,261.9	10.0	25.9	87.72	17.3	435.2	437.2	405.4	31.80	13.748	
7,400.0	7,400.0	7,379.1	7,361.2	10.1	26.3	87.72	17.7	443.8	445.9	413.7	32.22	13.839	
7,500.0	7,500.0	7,478.7	7,460.4	10.3	26.6	87.71	18.1	452.5	454.6	421.9	32.64	13.927	
7,600.0	7,600.0	7,578.3	7,559.6	10.4	27.0	87.71	18.4	461.2	463.3	430.2	33.06	14.014	
7,700.0	7,700.0	7,677.9	7,658.9	10.5	27.4	87.71	18.8	469.8	472.0	438.5	33.48	14.098	
7,800.0	7,800.0	7,777.6	7,758.1	10.6	27.7	87.71	19.2	478.5	480.7	446.8	33.90	14.179	
7,900.0	7,900.0	7,877.2	7,857.4	10.8	28.1	87.70	19.5	487.2	489.4	455.1	34.32	14.259	
8,000.0	8,000.0	7,976.8	7,956.6	10.9	28.4	87.70	19.9	495.8	498.1	463.4	34.75	14.336	
8,100.0	8,100.0	8,076.4	8,055.8	11.0	28.8	87.70	20.3	504.5	506.9	471.7	35.17	14.412	
8,200.0	8,200.0	8,176.0	8,155.1	11.1	29.2	87.70	20.6	513.2	515.6	480.0	35.59	14.485	
8,300.0	8,300.0	8,275.7	8,254.3	11.3	29.5	87.69	21.0	521.9	524.3	488.3	36.02	14.557	
8,400.0	8,400.0	8,375.3	8,353.6	11.4	29.9	87.69	21.4	530.5	533.0	496.5	36.44	14.627	
8,500.0	8,500.0	8,474.9	8,452.8	11.5	30.2	87.69	21.8	539.2	541.7	504.8	36.86	14.695	
8,600.0	8,600.0	8,574.5	8,552.1	11.6	30.6	87.69	22.1	547.9	550.4	513.1	37.29	14.762	
8,700.0	8,700.0	8,674.1	8,651.3	11.8	31.0	87.69	22.5	556.5	559.1	521.4	37.71	14.827	
8,800.0	8,800.0	8,773.8	8,750.5	11.9	31.3	87.68	22.9	565.2	567.8	529.7	38.14	14.890	
8,829.0	8,829.0	8,802.6	8,779.3	11.9	31.4	87.68	23.0	567.7	570.4	532.1	38.26	14.908	
8,850.0	8,850.0	8,823.5	8,800.1	12.0	31.5	-100.75	23.0	569.5	572.3	533.9	38.36	14.920	
8,900.0	8,899.8	8,873.1	8,849.5	12.0	31.7	-100.63	23.2	573.9	577.4	538.8	38.55	14.978	
8,950.0	8,949.1	8,918.3	8,894.5	12.0	31.8	-100.68	22.5	577.9	583.5	544.7	38.75	15.058	
9,000.0	8,997.5	8,962.1	8,937.9	12.0	32.0	-100.61	18.7	582.5	590.9	551.9	38.96	15.168	
9,050.0	9,044.6	9,006.2	8,981.1	12.0	32.1	-100.45	11.5	587.6	599.6	560.4	39.17	15.307	
9,100.0	9,090.0	9,050.0	9,023.3	12.0	32.3	-100.18	1.1	593.2	609.5	570.1	39.39	15.472	
9,150.0	9,133.5	9,095.2	9,065.7	12.1	32.4	-99.84	-12.9	599.4	620.6	581.0	39.62	15.663	
9,200.0	9,174.6	9,140.1	9,106.6	12.1	32.6	-99.39	-30.1	606.1	632.8	592.9	39.86	15.875	
9,250.0	9,213.1	9,185.3	9,146.3	12.2	32.7	-98.86	-50.6	613.3	646.0	605.9	40.11	16.107	
9,300.0	9,248.7	9,230.9	9,184.5	12.2	32.9	-98.24	-74.3	621.0	660.1	619.7	40.36	16.356	
9,350.0	9,281.1	9,277.0	9,220.9	12.3	33.0	-97.54	-101.3	629.1	675.0	634.4	40.62	16.619	
9,400.0	9,310.1	9,323.6	9,255.4	12.3	33.1	-96.78	-131.5	637.5	690.6	649.7	40.88	16.894	
9,450.0	9,335.4	9,370.8	9,287.6	12.4	33.3	-95.96	-164.8	646.4	706.8	665.7	41.15	17.177	
9,500.0	9,356.8	9,418.7	9,317.3	12.5	33.4	-95.09	-201.2	655.6	723.5	682.1	41.43	17.466	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,550.0	9,374.2	9,467.4	9,344.2	12.5	33.5	-94.19	-240.7	665.1	740.6	698.9	41.70	17.758	
9,600.0	9,387.5	9,517.1	9,368.0	12.5	33.6	-93.25	-283.2	674.8	757.9	715.9	41.98	18.052	
9,650.0	9,396.5	9,567.8	9,388.3	12.6	33.7	-92.30	-328.6	684.8	775.3	733.0	42.26	18.345	
9,700.0	9,401.2	9,619.8	9,404.9	12.6	33.9	-91.35	-376.7	695.0	792.7	750.2	42.54	18.634	
9,730.5	9,402.0	9,652.1	9,412.9	12.6	33.9	-90.77	-407.5	701.2	803.2	760.5	42.71	18.807	
9,800.0	9,401.8	9,729.0	9,424.7	12.6	34.1	-91.63	-481.9	715.7	825.9	782.8	43.10	19.162	
9,900.0	9,401.5	9,855.7	9,426.7	12.7	34.3	-91.71	-606.7	737.5	853.7	810.0	43.76	19.512	
10,000.0	9,401.2	9,996.0	9,426.3	12.7	34.5	-91.64	-745.8	755.4	873.7	829.2	44.51	19.628	
10,100.0	9,401.0	10,139.3	9,425.9	12.8	34.8	-91.60	-888.7	766.6	885.4	840.0	45.38	19.512	
10,206.0	9,400.7	10,278.5	9,425.4	12.9	35.2	-91.60	-1,027.8	770.8	888.7	842.3	46.34	19.176	
10,300.0	9,400.4	10,372.5	9,425.1	13.0	35.4	-91.59	-1,121.8	772.3	888.7	841.5	47.21	18.824	
10,400.0	9,400.2	10,472.5	9,424.8	13.3	35.6	-91.59	-1,221.7	773.9	888.6	840.5	48.17	18.449	
10,500.0	9,399.9	10,572.5	9,424.5	13.9	35.9	-91.59	-1,321.7	775.6	888.6	839.5	49.16	18.075	
10,600.0	9,399.6	10,672.5	9,424.2	14.5	36.2	-91.59	-1,421.7	777.2	888.6	838.4	50.19	17.704	
10,700.0	9,399.3	10,772.5	9,423.9	15.3	36.5	-91.59	-1,521.7	778.8	888.6	837.3	51.25	17.337	
10,800.0	9,399.1	10,872.5	9,423.6	16.0	36.8	-91.58	-1,621.7	780.4	888.5	836.2	52.34	16.976	
10,900.0	9,398.8	10,972.5	9,423.3	16.8	37.2	-91.58	-1,721.7	782.0	888.5	835.1	53.46	16.622	
11,000.0	9,398.5	11,072.5	9,423.0	17.6	37.6	-91.58	-1,821.7	783.6	888.5	833.9	54.60	16.274	
11,100.0	9,398.3	11,172.5	9,422.7	18.3	37.9	-91.58	-1,921.7	785.2	888.5	832.7	55.76	15.934	
11,200.0	9,398.0	11,272.5	9,422.4	19.1	38.3	-91.58	-2,021.6	786.8	888.5	831.5	56.95	15.602	
11,300.0	9,397.7	11,372.5	9,422.1	19.9	38.7	-91.57	-2,121.6	788.4	888.4	830.3	58.15	15.278	
11,400.0	9,397.5	11,472.5	9,421.8	20.7	39.1	-91.57	-2,221.6	790.0	888.4	829.0	59.38	14.962	
11,500.0	9,397.2	11,572.5	9,421.5	21.5	39.6	-91.57	-2,321.6	791.6	888.4	827.8	60.62	14.654	
11,600.0	9,396.9	11,672.5	9,421.2	22.4	40.0	-91.57	-2,421.6	793.2	888.4	826.5	61.89	14.355	
11,700.0	9,396.6	11,772.5	9,420.9	23.2	40.5	-91.56	-2,521.6	794.8	888.3	825.2	63.17	14.063	
11,800.0	9,396.4	11,872.5	9,420.6	24.0	41.0	-91.56	-2,621.6	796.4	888.3	823.8	64.46	13.780	
11,900.0	9,396.1	11,972.5	9,420.3	24.8	41.4	-91.56	-2,721.6	798.0	888.3	822.5	65.77	13.505	
12,000.0	9,395.8	12,072.5	9,420.0	25.6	41.9	-91.56	-2,821.5	799.6	888.3	821.2	67.10	13.238	
12,100.0	9,395.6	12,172.5	9,419.7	26.5	42.5	-91.56	-2,921.5	801.2	888.2	819.8	68.44	12.978	
12,200.0	9,395.3	12,272.5	9,419.4	27.3	43.0	-91.55	-3,021.5	802.8	888.2	818.4	69.79	12.726	
12,300.0	9,395.0	12,372.5	9,419.1	28.1	43.5	-91.55	-3,121.5	804.4	888.2	817.0	71.16	12.482	
12,343.2	9,394.9	12,415.6	9,418.9	28.5	43.7	-91.55	-3,164.7	805.1	888.2	816.4	71.75	12.379	
12,343.9	9,394.9	12,416.3	9,418.9	28.5	43.7	-91.55	-3,165.4	805.1	888.2	816.4	71.76	12.377	
12,391.1	9,394.8	12,477.9	9,418.8	28.9	44.1	-91.55	-3,226.9	805.7	888.3	815.9	72.44	12.262	
12,400.0	9,394.7	12,487.1	9,418.7	29.0	44.1	-91.55	-3,236.1	805.7	888.3	815.7	72.57	12.241	
12,500.0	9,394.5	12,587.1	9,418.4	29.8	44.7	-91.54	-3,336.1	805.6	888.3	814.4	73.95	12.012	
12,600.0	9,394.2	12,687.1	9,418.1	30.6	45.2	-91.54	-3,436.1	805.6	888.3	813.0	75.35	11.789	
12,700.0	9,393.9	12,787.1	9,417.8	31.5	45.8	-91.54	-3,536.1	805.5	888.3	811.5	76.76	11.572	
12,800.0	9,393.7	12,887.1	9,417.5	32.3	46.4	-91.54	-3,636.1	805.5	888.3	810.1	78.18	11.362	
12,900.0	9,393.4	12,987.1	9,417.2	33.1	47.0	-91.53	-3,736.1	805.4	888.3	808.7	79.61	11.158	
13,000.0	9,393.1	13,087.1	9,416.9	34.0	47.6	-91.53	-3,836.1	805.4	888.3	807.3	81.05	10.960	
13,100.0	9,392.9	13,187.1	9,416.6	34.8	48.2	-91.53	-3,936.1	805.3	888.3	805.8	82.50	10.768	
13,200.0	9,392.6	13,287.1	9,416.3	35.7	48.8	-91.53	-4,036.1	805.3	888.3	804.4	83.95	10.581	
13,300.0	9,392.3	13,387.1	9,416.0	36.5	49.4	-91.53	-4,136.1	805.2	888.3	802.9	85.42	10.399	
13,400.0	9,392.1	13,487.1	9,415.7	37.4	50.0	-91.52	-4,236.1	805.2	888.3	801.4	86.89	10.223	
13,500.0	9,391.8	13,587.1	9,415.4	38.2	50.6	-91.52	-4,336.1	805.1	888.3	799.9	88.37	10.052	
13,600.0	9,391.5	13,687.1	9,415.1	39.0	51.3	-91.52	-4,436.1	805.1	888.3	798.4	89.86	9.886	
13,700.0	9,391.3	13,787.1	9,414.8	39.9	51.9	-91.52	-4,536.1	805.1	888.3	797.0	91.35	9.724	
13,800.0	9,391.0	13,887.1	9,414.4	40.7	52.6	-91.51	-4,636.1	805.0	888.3	795.4	92.85	9.567	
13,900.0	9,390.7	13,987.1	9,414.1	41.6	53.2	-91.51	-4,736.1	805.0	888.3	793.9	94.36	9.414	
14,000.0	9,390.5	14,087.1	9,413.8	42.4	53.9	-91.51	-4,836.1	804.9	888.3	792.4	95.87	9.265	
14,100.0	9,390.2	14,187.1	9,413.5	43.3	54.6	-91.51	-4,936.1	804.9	888.3	790.9	97.39	9.121	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 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	
14,200.0	9,389.9	14,287.1	9,413.2	44.1	55.2	-91.50	-5,036.1	804.8	888.3	789.4	98.92	8.980	
14,300.0	9,389.7	14,387.1	9,412.9	45.0	55.9	-91.50	-5,136.1	804.8	888.3	787.8	100.45	8.843	
14,400.0	9,389.4	14,487.1	9,412.6	45.8	56.6	-91.50	-5,236.1	804.7	888.3	786.3	101.99	8.710	
14,500.0	9,389.1	14,587.1	9,412.3	46.7	57.3	-91.50	-5,336.1	804.7	888.3	784.8	103.53	8.580	
14,600.0	9,388.8	14,687.1	9,412.0	47.5	58.0	-91.49	-5,436.1	804.6	888.3	783.2	105.07	8.454	
14,700.0	9,388.6	14,787.1	9,411.7	48.4	58.7	-91.49	-5,536.1	804.6	888.3	781.7	106.62	8.331	
14,800.0	9,388.3	14,887.1	9,411.4	49.2	59.4	-91.49	-5,636.1	804.5	888.3	780.1	108.18	8.211	
14,900.0	9,388.0	14,987.1	9,411.1	50.1	60.1	-91.49	-5,736.1	804.5	888.3	778.6	109.74	8.095	
15,000.0	9,387.8	15,087.1	9,410.8	50.9	60.8	-91.48	-5,836.1	804.4	888.3	777.0	111.30	7.981	
15,100.0	9,387.5	15,187.1	9,410.5	51.8	61.5	-91.48	-5,936.1	804.4	888.3	775.4	112.87	7.870	
15,200.0	9,387.2	15,287.1	9,410.2	52.6	62.2	-91.48	-6,036.1	804.3	888.3	773.8	114.44	7.762	
15,300.0	9,387.0	15,387.1	9,409.9	53.5	62.9	-91.48	-6,136.1	804.3	888.3	772.3	116.02	7.657	
15,400.0	9,386.7	15,487.1	9,409.6	54.3	63.7	-91.47	-6,236.1	804.2	888.3	770.7	117.60	7.554	
15,500.0	9,386.4	15,587.1	9,409.3	55.2	64.4	-91.47	-6,336.1	804.2	888.3	769.1	119.18	7.453	
15,600.0	9,386.2	15,687.1	9,408.9	56.0	65.1	-91.47	-6,436.1	804.1	888.3	767.5	120.77	7.356	
15,700.0	9,385.9	15,787.1	9,408.6	56.9	65.9	-91.47	-6,536.1	804.1	888.3	765.9	122.35	7.260	
15,800.0	9,385.6	15,887.1	9,408.3	57.7	66.6	-91.46	-6,636.1	804.0	888.3	764.3	123.95	7.167	
15,900.0	9,385.4	15,987.1	9,408.0	58.6	67.3	-91.46	-6,736.1	804.0	888.3	762.7	125.54	7.076	
16,000.0	9,385.1	16,087.1	9,407.7	59.4	68.1	-91.46	-6,836.1	803.9	888.3	761.1	127.14	6.987	
16,100.0	9,384.8	16,187.1	9,407.4	60.3	68.8	-91.46	-6,936.1	803.9	888.3	759.5	128.74	6.900	
16,200.0	9,384.6	16,287.1	9,407.1	61.2	69.6	-91.45	-7,036.1	803.8	888.3	757.9	130.35	6.815	
16,300.0	9,384.3	16,387.1	9,406.8	62.0	70.3	-91.45	-7,136.1	803.8	888.3	756.3	131.95	6.732	
16,400.0	9,384.0	16,487.1	9,406.5	62.9	71.1	-91.45	-7,236.1	803.7	888.3	754.7	133.56	6.651	
16,500.0	9,383.8	16,587.1	9,406.2	63.7	71.8	-91.45	-7,336.1	803.7	888.3	753.1	135.18	6.571	
16,600.0	9,383.5	16,687.1	9,405.9	64.6	72.6	-91.44	-7,436.1	803.7	888.3	751.5	136.79	6.494	
16,700.0	9,383.2	16,787.1	9,405.6	65.4	73.3	-91.44	-7,536.1	803.6	888.3	749.9	138.41	6.418	
16,800.0	9,383.0	16,887.1	9,405.3	66.3	74.1	-91.44	-7,636.1	803.6	888.3	748.3	140.03	6.344	
16,900.0	9,382.7	16,987.1	9,405.0	67.1	74.9	-91.44	-7,736.1	803.5	888.3	746.6	141.65	6.271	
17,000.0	9,382.4	17,087.1	9,404.7	68.0	75.6	-91.44	-7,836.1	803.5	888.3	745.0	143.27	6.200	
17,100.0	9,382.1	17,187.1	9,404.4	68.8	76.4	-91.43	-7,936.1	803.4	888.3	743.4	144.90	6.130	
17,200.0	9,381.9	17,287.1	9,404.1	69.7	77.2	-91.43	-8,036.1	803.4	888.3	741.8	146.52	6.062	
17,300.0	9,381.6	17,387.1	9,403.7	70.6	78.0	-91.43	-8,136.1	803.3	888.3	740.1	148.15	5.996	
17,400.0	9,381.3	17,487.1	9,403.4	71.4	78.7	-91.43	-8,236.1	803.3	888.3	738.5	149.78	5.930	
17,500.0	9,381.1	17,587.1	9,403.1	72.3	79.5	-91.42	-8,336.1	803.2	888.3	736.9	151.42	5.866	
17,600.0	9,380.8	17,687.1	9,402.8	73.1	80.3	-91.42	-8,436.1	803.2	888.3	735.2	153.05	5.804	
17,640.0	9,380.7	17,727.1	9,402.7	73.5	80.6	-91.42	-8,476.1	803.2	888.3	734.6	153.71	5.779	
17,640.0	9,380.7	17,727.1	9,402.7	73.5	80.6	-91.42	-8,476.1	803.2	888.3	734.6	153.71	5.779	
17,650.0	9,380.7	17,740.6	9,402.7	73.6	80.7	-91.42	-8,489.6	803.1	888.3	734.4	153.88	5.773	
17,658.2	9,380.7	17,752.6	9,402.6	73.6	80.8	-91.42	-8,501.6	803.0	888.4	734.4	154.02	5.768	
17,700.0	9,380.5	17,804.0	9,402.5	74.0	81.2	-91.41	-8,553.0	802.2	888.5	733.8	154.71	5.743	
17,800.0	9,380.3	17,904.0	9,402.2	74.8	82.0	-91.41	-8,653.0	800.3	888.5	732.1	156.34	5.683	
17,900.0	9,380.0	18,004.0	9,401.9	75.7	82.7	-91.41	-8,753.0	798.3	888.5	730.5	157.98	5.624	
18,000.0	9,379.7	18,104.0	9,401.5	76.5	83.5	-91.41	-8,852.9	796.4	888.5	728.9	159.62	5.566	
18,100.0	9,379.5	18,204.0	9,401.2	77.4	84.3	-91.40	-8,952.9	794.4	888.5	727.2	161.26	5.510	
18,200.0	9,379.2	18,304.0	9,400.9	78.2	85.1	-91.40	-9,052.9	792.5	888.5	725.6	162.90	5.454	
18,300.0	9,378.9	18,404.0	9,400.6	79.1	85.9	-91.40	-9,152.9	790.5	888.5	723.9	164.54	5.400	
18,400.0	9,378.7	18,504.0	9,400.3	80.0	86.7	-91.40	-9,252.9	788.6	888.4	722.3	166.18	5.346	
18,500.0	9,378.4	18,604.0	9,400.0	80.8	87.4	-91.39	-9,352.8	786.6	888.4	720.6	167.83	5.294	
18,600.0	9,378.1	18,704.0	9,399.7	81.7	88.2	-91.39	-9,452.8	784.7	888.4	719.0	169.48	5.242	
18,700.0	9,377.9	18,804.0	9,399.4	82.5	89.0	-91.39	-9,552.8	782.7	888.4	717.3	171.12	5.192	
18,800.0	9,377.6	18,904.0	9,399.1	83.4	89.8	-91.39	-9,652.8	780.8	888.4	715.6	172.77	5.142	
18,900.0	9,377.3	19,004.0	9,398.8	84.2	90.6	-91.38	-9,752.8	778.8	888.4	714.0	174.42	5.093	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis 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	
19,000.0	9,377.1	19,104.0	9,398.5	85.1	91.4	-91.38	-9,852.7	776.9	888.4	712.3	176.08	5.046	
19,100.0	9,376.8	19,204.0	9,398.2	85.9	92.2	-91.38	-9,952.7	774.9	888.4	710.7	177.73	4.999	
19,200.0	9,376.5	19,304.0	9,397.9	86.8	93.0	-91.38	-10,052.7	773.0	888.4	709.0	179.38	4.953	
19,300.0	9,376.2	19,404.0	9,397.6	87.7	93.8	-91.37	-10,152.7	771.0	888.4	707.3	181.04	4.907	
19,400.0	9,376.0	19,504.0	9,397.2	88.5	94.6	-91.37	-10,252.7	769.1	888.4	705.7	182.69	4.863	
19,500.0	9,375.7	19,604.0	9,396.9	89.4	95.4	-91.37	-10,352.6	767.1	888.4	704.0	184.35	4.819	
19,600.0	9,375.4	19,704.0	9,396.6	90.2	96.2	-91.37	-10,452.6	765.2	888.4	702.4	186.01	4.776	
19,700.0	9,375.2	19,804.0	9,396.3	91.1	97.0	-91.36	-10,552.6	763.2	888.4	700.7	187.67	4.734	
19,800.0	9,374.9	19,904.0	9,396.0	91.9	97.8	-91.36	-10,652.6	761.3	888.4	699.0	189.33	4.692	
19,900.0	9,374.6	20,004.0	9,395.7	92.8	98.6	-91.36	-10,752.6	759.3	888.3	697.4	190.99	4.651	
20,000.0	9,374.4	20,104.0	9,395.4	93.6	99.4	-91.36	-10,852.5	757.4	888.3	695.7	192.65	4.611	
20,100.0	9,374.1	20,204.0	9,395.1	94.5	100.2	-91.35	-10,952.5	755.4	888.3	694.0	194.32	4.572	
20,200.0	9,373.8	20,304.0	9,394.8	95.4	101.0	-91.35	-11,052.5	753.5	888.3	692.3	195.98	4.533	
20,300.0	9,373.6	20,404.0	9,394.5	96.2	101.8	-91.35	-11,152.5	751.5	888.3	690.7	197.64	4.495	
20,400.0	9,373.3	20,504.0	9,394.2	97.1	102.6	-91.35	-11,252.5	749.6	888.3	689.0	199.31	4.457	
20,500.0	9,373.0	20,604.0	9,393.9	97.9	103.4	-91.34	-11,352.4	747.6	888.3	687.3	200.98	4.420	
20,600.0	9,372.8	20,704.0	9,393.6	98.8	104.2	-91.34	-11,452.4	745.7	888.3	685.7	202.64	4.384	
20,700.0	9,372.5	20,804.0	9,393.2	99.6	105.1	-91.34	-11,552.4	743.7	888.3	684.0	204.31	4.348	
20,800.0	9,372.2	20,904.0	9,392.9	100.5	105.9	-91.34	-11,652.4	741.8	888.3	682.3	205.98	4.312	
20,900.0	9,372.0	21,004.0	9,392.6	101.3	106.7	-91.33	-11,752.4	739.8	888.3	680.6	207.65	4.278	
21,000.0	9,371.7	21,104.0	9,392.3	102.2	107.5	-91.33	-11,852.3	737.9	888.3	678.9	209.32	4.244	
21,100.0	9,371.4	21,204.0	9,392.0	103.1	108.3	-91.33	-11,952.3	735.9	888.3	677.3	210.99	4.210	
21,200.0	9,371.1	21,304.0	9,391.7	103.9	109.1	-91.33	-12,052.3	734.0	888.3	675.6	212.66	4.177	
21,300.0	9,370.9	21,404.0	9,391.4	104.8	109.9	-91.32	-12,152.3	732.0	888.2	673.9	214.34	4.144	
21,400.0	9,370.6	21,504.0	9,391.1	105.6	110.7	-91.32	-12,252.3	730.1	888.2	672.2	216.01	4.112	
21,500.0	9,370.3	21,604.0	9,390.8	106.5	111.6	-91.32	-12,352.3	728.1	888.2	670.6	217.68	4.080	
21,600.0	9,370.1	21,704.0	9,390.5	107.3	112.4	-91.32	-12,452.2	726.2	888.2	668.9	219.36	4.049	
21,700.0	9,369.8	21,804.0	9,390.2	108.2	113.2	-91.31	-12,552.2	724.2	888.2	667.2	221.03	4.019	
21,800.0	9,369.5	21,904.0	9,389.9	109.1	114.0	-91.31	-12,652.2	722.3	888.2	665.5	222.71	3.988	
21,900.0	9,369.3	22,004.0	9,389.6	109.9	114.8	-91.31	-12,752.2	720.3	888.2	663.8	224.38	3.958	
22,000.0	9,369.0	22,104.0	9,389.2	110.8	115.6	-91.31	-12,852.2	718.4	888.2	662.1	226.06	3.929	
22,100.0	9,368.7	22,204.0	9,388.9	111.6	116.5	-91.30	-12,952.1	716.4	888.2	660.5	227.74	3.900	
22,200.0	9,368.5	22,304.0	9,388.6	112.5	117.3	-91.30	-13,052.1	714.5	888.2	658.8	229.42	3.872	
22,300.0	9,368.2	22,404.0	9,388.3	113.3	118.1	-91.30	-13,152.1	712.5	888.2	657.1	231.09	3.843	
22,400.0	9,367.9	22,504.0	9,388.0	114.2	118.9	-91.30	-13,252.1	710.6	888.2	655.4	232.77	3.816	
22,500.0	9,367.7	22,604.0	9,387.7	115.0	119.8	-91.29	-13,352.1	708.6	888.2	653.7	234.45	3.788	
22,600.0	9,367.4	22,704.0	9,387.4	115.9	120.6	-91.29	-13,452.0	706.7	888.2	652.0	236.13	3.761	
22,700.0	9,367.1	22,804.0	9,387.1	116.8	121.4	-91.29	-13,552.0	704.7	888.2	650.3	237.81	3.735	
22,729.5	9,367.0	22,833.5	9,387.0	117.0	121.6	-91.29	-13,581.5	704.1	888.2	649.8	238.31	3.727	
22,745.2	9,367.0	22,834.6	9,387.0	117.1	121.6	-91.29	-13,582.6	704.1	888.3	649.7	238.55	3.724	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #706H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9022-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	-89.96	0.0	-30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	-89.96	0.0	-30.0	30.0	24.0	6.00	4.993	
200.0	200.0	200.0	200.0	3.0	3.0	-89.96	0.0	-30.0	30.0	24.0	6.00	4.991	
300.0	300.0	300.0	300.0	3.0	3.0	-89.96	0.0	-30.0	30.0	24.0	6.01	4.986	
400.0	400.0	400.0	400.0	3.0	3.0	-89.96	0.0	-30.0	30.0	23.9	6.02	4.978	
500.0	500.0	500.0	500.0	3.1	3.1	-89.96	0.0	-30.0	30.0	23.9	6.03	4.968	
600.0	600.0	600.0	600.0	3.1	3.1	-89.96	0.0	-30.0	30.0	23.9	6.05	4.955	
700.0	700.0	700.0	700.0	3.1	3.1	-89.96	0.0	-30.0	30.0	23.9	6.07	4.940	
800.0	800.0	800.0	800.0	3.2	3.2	-89.96	0.0	-30.0	30.0	23.9	6.09	4.922	
900.0	900.0	900.0	900.0	3.2	3.2	-89.96	0.0	-30.0	30.0	23.8	6.11	4.902	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	-89.96	0.0	-30.0	30.0	23.8	6.14	4.879	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	-89.96	0.0	-30.0	30.0	23.8	6.17	4.855	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	-89.96	0.0	-30.0	30.0	23.8	6.21	4.828	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-89.96	0.0	-30.0	30.0	23.7	6.24	4.799	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-89.96	0.0	-30.0	30.0	23.7	6.28	4.769	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	-89.96	0.0	-30.0	30.0	23.6	6.33	4.736	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	-89.96	0.0	-30.0	30.0	23.6	6.37	4.702	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.96	0.0	-30.0	30.0	23.5	6.42	4.667	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	-89.96	0.0	-30.0	30.0	23.5	6.47	4.630	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	-89.96	0.0	-30.0	30.0	23.4	6.52	4.592	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	-89.96	0.0	-30.0	30.0	23.4	6.58	4.553	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	-89.96	0.0	-30.0	30.0	23.3	6.64	4.513	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	4.1	-89.96	0.0	-30.0	30.0	23.3	6.70	4.472	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	4.2	-89.96	0.0	-30.0	30.0	23.2	6.76	4.430	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	4.3	-89.96	0.0	-30.0	30.0	23.1	6.83	4.387	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	-89.96	0.0	-30.0	30.0	23.1	6.90	4.344 CC, ES, SF	
2,600.0	2,600.0	2,599.0	2,598.9	4.5	4.4	-90.66	-0.4	-31.6	31.6	24.7	6.97	4.543	
2,700.0	2,700.0	2,697.7	2,697.5	4.6	4.5	-92.37	-1.5	-36.6	36.7	29.7	7.04	5.218	
2,800.0	2,800.0	2,795.9	2,795.4	4.7	4.5	-94.36	-3.4	-44.8	45.2	38.1	7.11	6.355	
2,900.0	2,900.0	2,893.5	2,892.2	4.8	4.5	-96.14	-6.0	-56.2	57.1	49.9	7.19	7.937	
3,000.0	3,000.0	2,992.4	2,990.2	4.9	4.5	-97.48	-9.1	-69.7	70.9	63.6	7.28	9.739	
3,100.0	3,100.0	3,091.4	3,088.2	5.0	4.6	-98.38	-12.2	-83.1	84.8	77.4	7.38	11.498	
3,200.0	3,200.0	3,190.4	3,186.3	5.1	4.6	-99.03	-15.3	-96.5	98.7	91.2	7.47	13.210	
3,300.0	3,300.0	3,289.5	3,284.4	5.2	4.6	-99.52	-18.4	-109.9	112.6	105.0	7.57	14.874	
3,400.0	3,400.0	3,388.5	3,382.4	5.3	4.7	-99.91	-21.5	-123.4	126.5	118.8	7.67	16.489	
3,500.0	3,500.0	3,487.5	3,480.5	5.4	4.7	-100.21	-24.6	-136.8	140.4	132.6	7.77	18.054	
3,600.0	3,600.0	3,586.5	3,578.6	5.5	4.8	-100.46	-27.7	-150.2	154.3	146.4	7.88	19.568	
3,700.0	3,700.0	3,685.6	3,676.6	5.7	4.8	-100.67	-30.8	-163.7	168.2	160.2	8.00	21.032	
3,800.0	3,800.0	3,784.6	3,774.7	5.8	4.9	-100.85	-33.9	-177.1	182.1	174.0	8.11	22.445	
3,900.0	3,900.0	3,883.6	3,872.7	5.9	5.0	-101.00	-37.0	-190.5	196.0	187.8	8.23	23.809	
4,000.0	4,000.0	3,982.6	3,970.8	6.0	5.0	-101.14	-40.1	-203.9	209.9	201.5	8.35	25.124	
4,100.0	4,100.0	4,081.7	4,068.9	6.1	5.1	-101.25	-43.2	-217.4	223.8	215.3	8.48	26.390	
4,200.0	4,200.0	4,180.7	4,166.9	6.2	5.2	-101.35	-46.3	-230.8	237.7	229.1	8.61	27.609	
4,300.0	4,300.0	4,279.7	4,265.0	6.3	5.2	-101.45	-49.4	-244.2	251.6	242.9	8.74	28.783	
4,400.0	4,400.0	4,378.7	4,363.1	6.5	5.3	-101.53	-52.5	-257.7	265.5	256.7	8.88	29.911	
4,500.0	4,500.0	4,477.8	4,461.1	6.6	5.4	-101.60	-55.6	-271.1	279.5	270.4	9.02	30.997	
4,600.0	4,600.0	4,576.8	4,559.2	6.7	5.5	-101.67	-58.7	-284.5	293.4	284.2	9.16	32.040	
4,700.0	4,700.0	4,675.8	4,657.2	6.8	5.6	-101.73	-61.8	-297.9	307.3	298.0	9.30	33.043	
4,800.0	4,800.0	4,774.9	4,755.3	6.9	5.7	-101.78	-64.9	-311.4	321.2	311.7	9.45	34.006	
4,900.0	4,900.0	4,873.9	4,853.4	7.0	5.7	-101.83	-68.0	-324.8	335.1	325.5	9.59	34.932	
5,000.0	5,000.0	4,972.9	4,951.4	7.2	5.8	-101.88	-71.1	-338.2	349.0	339.3	9.74	35.822	
5,100.0	5,100.0	5,071.9	5,049.5	7.3	5.9	-101.92	-74.2	-351.7	362.9	353.0	9.90	36.677	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #706H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9022-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
5,200.0	5,200.0	5,171.0	5,147.6	7.4	6.0	-101.96	-77.3	-365.1	376.9	366.8	10.05	37.498	
5,300.0	5,300.0	5,270.0	5,245.6	7.5	6.1	-102.00	-80.4	-378.5	390.8	380.6	10.21	38.288	
5,400.0	5,400.0	5,369.0	5,343.7	7.6	6.2	-102.03	-83.5	-391.9	404.7	394.3	10.36	39.046	
5,500.0	5,500.0	5,468.0	5,441.7	7.8	6.3	-102.07	-86.6	-405.4	418.6	408.1	10.52	39.776	
5,600.0	5,600.0	5,567.1	5,539.8	7.9	6.4	-102.10	-89.7	-418.8	432.5	421.8	10.69	40.477	
5,700.0	5,700.0	5,666.1	5,637.9	8.0	6.5	-102.12	-92.9	-432.2	446.4	435.6	10.85	41.151	
5,800.0	5,800.0	5,765.1	5,735.9	8.1	6.6	-102.15	-96.0	-445.7	460.3	449.3	11.01	41.799	
5,900.0	5,900.0	5,864.1	5,834.0	8.3	6.7	-102.18	-99.1	-459.1	474.3	463.1	11.18	42.422	
6,000.0	6,000.0	5,963.2	5,932.1	8.4	6.9	-102.20	-102.2	-472.5	488.2	476.8	11.35	43.022	
6,100.0	6,100.0	6,062.2	6,030.1	8.5	7.0	-102.22	-105.3	-485.9	502.1	490.6	11.52	43.599	
6,200.0	6,200.0	6,161.2	6,128.2	8.6	7.1	-102.24	-108.4	-499.4	516.0	504.3	11.69	44.155	
6,300.0	6,300.0	6,260.3	6,226.3	8.8	7.2	-102.26	-111.5	-512.8	529.9	518.1	11.86	44.690	
6,400.0	6,400.0	6,359.3	6,324.3	8.9	7.3	-102.28	-114.6	-526.2	543.8	531.8	12.03	45.205	
6,500.0	6,500.0	6,458.3	6,422.4	9.0	7.4	-102.30	-117.7	-539.7	557.8	545.6	12.20	45.702	
6,600.0	6,600.0	6,557.3	6,520.4	9.1	7.5	-102.32	-120.8	-553.1	571.7	559.3	12.38	46.180	
6,700.0	6,700.0	6,656.4	6,618.5	9.2	7.6	-102.33	-123.9	-566.5	585.6	573.0	12.56	46.641	
6,800.0	6,800.0	6,755.4	6,716.6	9.4	7.8	-102.35	-127.0	-579.9	599.5	586.8	12.73	47.085	
6,900.0	6,900.0	6,854.4	6,814.6	9.5	7.9	-102.36	-130.1	-593.4	613.4	600.5	12.91	47.514	
7,000.0	7,000.0	6,953.4	6,912.7	9.6	8.0	-102.38	-133.2	-606.8	627.3	614.2	13.09	47.927	
7,100.0	7,100.0	7,052.5	7,010.8	9.7	8.1	-102.39	-136.3	-620.2	641.3	628.0	13.27	48.326	
7,200.0	7,200.0	7,151.5	7,108.8	9.9	8.2	-102.40	-139.4	-633.7	655.2	641.7	13.45	48.711	
7,300.0	7,300.0	7,250.5	7,206.9	10.0	8.4	-102.42	-142.5	-647.1	669.1	655.5	13.63	49.082	
7,400.0	7,400.0	7,349.5	7,304.9	10.1	8.5	-102.43	-145.6	-660.5	683.0	669.2	13.81	49.441	
7,500.0	7,500.0	7,448.6	7,403.0	10.3	8.6	-102.44	-148.7	-673.9	696.9	682.9	14.00	49.788	
7,600.0	7,600.0	7,547.6	7,501.1	10.4	8.7	-102.45	-151.8	-687.4	710.8	696.7	14.18	50.123	
7,700.0	7,700.0	7,646.6	7,599.1	10.5	8.9	-102.46	-154.9	-700.8	724.8	710.4	14.37	50.446	
7,800.0	7,800.0	7,745.7	7,697.2	10.6	9.0	-102.47	-158.0	-714.2	738.7	724.1	14.55	50.759	
7,900.0	7,900.0	7,844.7	7,795.3	10.8	9.1	-102.48	-161.1	-727.7	752.6	737.8	14.74	51.062	
8,000.0	8,000.0	7,943.7	7,893.3	10.9	9.3	-102.49	-164.2	-741.1	766.5	751.6	14.93	51.354	
8,100.0	8,100.0	8,042.7	7,991.4	11.0	9.4	-102.50	-167.3	-754.5	780.4	765.3	15.11	51.637	
8,200.0	8,200.0	8,141.8	8,089.5	11.1	9.5	-102.51	-170.4	-767.9	794.3	779.0	15.30	51.911	
8,300.0	8,300.0	8,240.8	8,187.5	11.3	9.7	-102.52	-173.5	-781.4	808.3	792.8	15.49	52.176	
8,400.0	8,400.0	8,339.8	8,285.6	11.4	9.8	-102.52	-176.6	-794.8	822.2	806.5	15.68	52.433	
8,500.0	8,500.0	8,438.8	8,383.6	11.5	9.9	-102.53	-179.7	-808.2	836.1	820.2	15.87	52.681	
8,600.0	8,600.0	8,537.9	8,481.7	11.6	10.1	-102.54	-182.8	-821.7	850.0	833.9	16.06	52.922	
8,700.0	8,700.0	8,636.9	8,579.8	11.8	10.2	-102.55	-185.9	-835.1	863.9	847.7	16.25	53.155	
8,800.0	8,800.0	8,735.9	8,677.8	11.9	10.3	-102.55	-189.0	-848.5	877.8	861.4	16.44	53.381	
8,829.0	8,829.0	8,764.6	8,706.3	11.9	10.4	-102.56	-189.9	-852.4	881.9	865.4	16.50	53.445	
8,850.0	8,850.0	8,785.5	8,726.9	12.0	10.4	68.62	-190.5	-855.2	884.7	868.1	16.51	53.577	
8,900.0	8,899.8	8,835.0	8,775.9	12.0	10.5	68.35	-192.1	-861.9	890.2	873.6	16.57	53.713	
8,950.0	8,949.1	8,884.2	8,824.7	12.0	10.6	68.47	-193.6	-868.6	894.1	877.5	16.63	53.754	
9,000.0	8,997.5	8,932.8	8,872.8	12.0	10.6	68.96	-195.1	-875.2	896.6	879.9	16.70	53.696	
9,050.0	9,044.6	8,980.3	8,919.8	12.0	10.7	69.80	-196.6	-881.6	897.7	880.9	16.77	53.537	
9,100.0	9,090.0	9,024.0	8,963.1	12.0	10.8	70.88	-198.0	-887.6	897.6	880.8	16.85	53.261	
9,150.0	9,133.5	9,056.0	8,994.7	12.1	10.8	71.80	-200.4	-892.0	897.1	880.1	16.95	52.924	
9,200.0	9,174.6	9,088.7	9,026.7	12.1	10.8	72.79	-205.1	-896.7	896.3	879.3	17.07	52.520	
9,250.0	9,213.1	9,125.0	9,061.8	12.2	10.8	73.93	-212.8	-902.1	895.4	878.2	17.18	52.107	
9,300.0	9,248.7	9,156.9	9,092.0	12.2	10.8	74.98	-221.9	-906.9	894.4	877.1	17.35	51.561	
9,350.0	9,281.1	9,192.7	9,125.0	12.3	10.8	76.18	-234.3	-912.4	893.3	875.8	17.51	51.024	
9,400.0	9,310.1	9,229.8	9,158.2	12.3	10.8	77.44	-249.9	-918.2	892.2	874.5	17.68	50.457	
9,450.0	9,335.4	9,268.4	9,191.3	12.4	10.8	78.77	-268.8	-924.2	891.0	873.2	17.87	49.860	
9,500.0	9,356.8	9,308.8	9,224.2	12.5	10.9	80.16	-291.5	-930.5	889.9	871.9	18.08	49.227	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #706H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9022-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
9,550.0	9,374.2	9,351.3	9,256.5	12.5	10.9	81.61	-318.2	-937.1	888.9	870.6	18.31	48.554	
9,600.0	9,387.5	9,396.1	9,287.9	12.5	10.9	83.12	-349.4	-944.0	887.8	869.3	18.56	47.828	
9,650.0	9,396.5	9,443.6	9,317.8	12.6	11.0	84.70	-385.6	-951.0	886.8	868.0	18.85	47.038	
9,700.0	9,401.2	9,494.2	9,345.5	12.6	11.1	86.33	-427.3	-958.3	885.8	866.6	19.18	46.175	
9,730.5	9,402.0	9,526.8	9,360.9	12.6	11.1	87.34	-455.6	-962.7	885.2	865.7	19.41	45.613	
9,800.0	9,401.8	9,608.2	9,390.7	12.6	11.3	89.29	-530.6	-973.1	884.3	864.3	19.98	44.262	
9,900.0	9,401.5	9,740.1	9,410.9	12.7	11.5	90.61	-659.8	-986.7	884.0	863.1	20.90	42.300	
10,000.0	9,401.2	9,884.0	9,410.6	12.7	12.0	90.61	-803.4	-995.6	882.9	861.0	21.92	40.281	
10,100.0	9,401.0	10,028.5	9,410.2	12.8	12.5	90.60	-947.8	-997.3	880.3	857.2	23.07	38.150	
10,193.7	9,400.7	10,120.8	9,409.9	12.9	12.9	90.60	-1,040.1	-996.2	878.7	854.6	24.15	36.383	
10,206.0	9,400.7	10,133.1	9,409.9	12.9	12.9	90.60	-1,052.5	-996.0	878.8	854.5	24.30	36.166	
10,300.0	9,400.4	10,227.1	9,409.6	13.0	13.4	90.60	-1,146.4	-994.9	879.2	853.7	25.44	34.558	
10,400.0	9,400.2	10,327.1	9,409.3	13.3	13.9	90.59	-1,246.4	-993.7	879.6	852.9	26.71	32.931	
10,500.0	9,399.9	10,427.1	9,409.0	13.9	14.5	90.59	-1,346.4	-992.5	880.0	852.0	28.03	31.399	
10,600.0	9,399.6	10,527.1	9,408.7	14.5	15.1	90.59	-1,446.4	-991.3	880.5	851.1	29.39	29.963	
10,700.0	9,399.3	10,627.1	9,408.4	15.3	15.7	90.59	-1,546.4	-990.1	880.9	850.1	30.78	28.620	
10,800.0	9,399.1	10,727.1	9,408.1	16.0	16.3	90.59	-1,646.4	-988.9	881.3	849.1	32.20	27.366	
10,900.0	9,398.8	10,827.1	9,407.8	16.8	17.0	90.58	-1,746.4	-987.8	881.7	848.1	33.66	26.198	
11,000.0	9,398.5	10,927.1	9,407.5	17.6	17.7	90.58	-1,846.4	-986.6	882.2	847.0	35.13	25.109	
11,100.0	9,398.3	11,027.1	9,407.2	18.3	18.4	90.58	-1,946.4	-985.4	882.6	846.0	36.63	24.094	
11,200.0	9,398.0	11,127.1	9,406.9	19.1	19.1	90.58	-2,046.4	-984.2	883.0	844.9	38.15	23.147	
11,300.0	9,397.7	11,227.1	9,406.6	19.9	19.8	90.58	-2,146.3	-983.0	883.5	843.8	39.68	22.264	
11,400.0	9,397.5	11,327.1	9,406.3	20.7	20.6	90.58	-2,246.3	-981.8	883.9	842.7	41.23	21.438	
11,500.0	9,397.2	11,427.1	9,406.0	21.5	21.3	90.57	-2,346.3	-980.6	884.3	841.5	42.79	20.666	
11,600.0	9,396.9	11,527.1	9,405.8	22.4	22.1	90.57	-2,446.3	-979.4	884.8	840.4	44.37	19.943	
11,700.0	9,396.6	11,627.1	9,405.5	23.2	22.8	90.57	-2,546.3	-978.2	885.2	839.2	45.95	19.265	
11,800.0	9,396.4	11,727.1	9,405.2	24.0	23.6	90.57	-2,646.3	-977.0	885.6	838.1	47.54	18.628	
11,900.0	9,396.1	11,827.1	9,404.9	24.8	24.4	90.57	-2,746.3	-975.8	886.1	836.9	49.15	18.029	
12,000.0	9,395.8	11,927.1	9,404.6	25.6	25.2	90.56	-2,846.3	-974.6	886.5	835.7	50.76	17.466	
12,100.0	9,395.6	12,027.1	9,404.3	26.5	25.9	90.56	-2,946.3	-973.4	886.9	834.5	52.37	16.935	
12,200.0	9,395.3	12,127.1	9,404.0	27.3	26.7	90.56	-3,046.3	-972.2	887.3	833.3	54.00	16.433	
12,300.0	9,395.0	12,227.1	9,403.7	28.1	27.5	90.56	-3,146.3	-971.0	887.8	832.1	55.63	15.960	
12,343.2	9,394.9	12,267.3	9,403.6	28.5	27.9	90.56	-3,186.5	-970.6	888.0	831.7	56.31	15.769	
12,391.1	9,394.8	12,307.1	9,403.5	28.9	28.2	90.56	-3,226.3	-970.5	888.2	831.2	57.04	15.572	
12,400.0	9,394.7	12,316.1	9,403.4	29.0	28.2	90.56	-3,235.3	-970.5	888.2	831.0	57.19	15.532	
12,500.0	9,394.5	12,416.1	9,403.1	29.8	29.0	90.56	-3,335.3	-970.5	888.2	829.4	58.82	15.100	
12,600.0	9,394.2	12,516.1	9,402.9	30.6	29.9	90.56	-3,435.3	-970.6	888.2	827.7	60.47	14.689	
12,700.0	9,393.9	12,616.1	9,402.6	31.5	30.7	90.56	-3,535.3	-970.6	888.2	826.1	62.11	14.300	
12,800.0	9,393.7	12,716.1	9,402.3	32.3	31.5	90.56	-3,635.3	-970.7	888.2	824.4	63.76	13.930	
12,900.0	9,393.4	12,816.1	9,402.0	33.1	32.3	90.55	-3,735.3	-970.7	888.2	822.8	65.42	13.577	
13,000.0	9,393.1	12,916.1	9,401.7	34.0	33.1	90.55	-3,835.3	-970.8	888.2	821.1	67.08	13.242	
13,100.0	9,392.9	13,016.1	9,401.4	34.8	33.9	90.55	-3,935.3	-970.8	888.2	819.5	68.74	12.922	
13,200.0	9,392.6	13,116.1	9,401.1	35.7	34.7	90.55	-4,035.3	-970.9	888.2	817.8	70.40	12.616	
13,300.0	9,392.3	13,216.1	9,400.8	36.5	35.6	90.55	-4,135.3	-970.9	888.2	816.1	72.07	12.325	
13,400.0	9,392.1	13,316.1	9,400.6	37.4	36.4	90.55	-4,235.2	-970.9	888.2	814.5	73.73	12.046	
13,500.0	9,391.8	13,416.1	9,400.3	38.2	37.2	90.55	-4,335.2	-971.0	888.2	812.8	75.41	11.779	
13,600.0	9,391.5	13,516.1	9,400.0	39.0	38.0	90.54	-4,435.2	-971.0	888.2	811.1	77.08	11.523	
13,700.0	9,391.3	13,616.1	9,399.7	39.9	38.9	90.54	-4,535.2	-971.1	888.2	809.4	78.75	11.278	
13,800.0	9,391.0	13,716.1	9,399.4	40.7	39.7	90.54	-4,635.2	-971.1	888.2	807.7	80.43	11.043	
13,900.0	9,390.7	13,816.1	9,399.1	41.6	40.5	90.54	-4,735.2	-971.2	888.2	806.1	82.11	10.817	
14,000.0	9,390.5	13,916.1	9,398.8	42.4	41.4	90.54	-4,835.2	-971.2	888.2	804.4	83.79	10.600	
14,100.0	9,390.2	14,016.1	9,398.5	43.3	42.2	90.54	-4,935.2	-971.3	888.2	802.7	85.47	10.391	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #706H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 9022-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
14,200.0	9,389.9	14,116.1	9,398.2	44.1	43.0	90.54	-5,035.2	-971.3	888.2	801.0	87.15	10.191	
14,300.0	9,389.7	14,216.1	9,398.0	45.0	43.9	90.54	-5,135.2	-971.3	888.2	799.3	88.84	9.997	
14,400.0	9,389.4	14,316.1	9,397.7	45.8	44.7	90.53	-5,235.2	-971.4	888.2	797.6	90.53	9.811	
14,500.0	9,389.1	14,416.1	9,397.4	46.7	45.6	90.53	-5,335.2	-971.4	888.2	795.9	92.21	9.632	
14,600.0	9,388.8	14,516.1	9,397.1	47.5	46.4	90.53	-5,435.2	-971.5	888.1	794.2	93.90	9.458	
14,700.0	9,388.6	14,616.1	9,396.8	48.4	47.2	90.53	-5,535.2	-971.5	888.1	792.6	95.59	9.291	
14,800.0	9,388.3	14,716.1	9,396.5	49.2	48.1	90.53	-5,635.2	-971.6	888.1	790.9	97.28	9.130	
14,900.0	9,388.0	14,816.1	9,396.2	50.1	48.9	90.53	-5,735.2	-971.6	888.1	789.2	98.97	8.974	
15,000.0	9,387.8	14,916.1	9,395.9	50.9	49.8	90.53	-5,835.2	-971.7	888.1	787.5	100.67	8.823	
15,100.0	9,387.5	15,016.1	9,395.7	51.8	50.6	90.53	-5,935.2	-971.7	888.1	785.8	102.36	8.677	
15,200.0	9,387.2	15,116.1	9,395.4	52.6	51.4	90.52	-6,035.2	-971.8	888.1	784.1	104.05	8.535	
15,300.0	9,387.0	15,216.1	9,395.1	53.5	52.3	90.52	-6,135.2	-971.8	888.1	782.4	105.75	8.398	
15,400.0	9,386.7	15,316.1	9,394.8	54.3	53.1	90.52	-6,235.2	-971.8	888.1	780.7	107.44	8.266	
15,500.0	9,386.4	15,416.1	9,394.5	55.2	54.0	90.52	-6,335.2	-971.9	888.1	779.0	109.14	8.137	
15,600.0	9,386.2	15,516.1	9,394.2	56.0	54.8	90.52	-6,435.2	-971.9	888.1	777.3	110.84	8.013	
15,700.0	9,385.9	15,616.1	9,393.9	56.9	55.7	90.52	-6,535.2	-972.0	888.1	775.6	112.54	7.892	
15,800.0	9,385.6	15,716.1	9,393.6	57.7	56.5	90.52	-6,635.2	-972.0	888.1	773.9	114.23	7.774	
15,900.0	9,385.4	15,816.1	9,393.4	58.6	57.3	90.52	-6,735.2	-972.1	888.1	772.2	115.93	7.660	
16,000.0	9,385.1	15,916.1	9,393.1	59.4	58.2	90.51	-6,835.2	-972.1	888.1	770.5	117.63	7.550	
16,100.0	9,384.8	16,016.1	9,392.8	60.3	59.0	90.51	-6,935.2	-972.2	888.1	768.8	119.33	7.442	
16,200.0	9,384.6	16,116.1	9,392.5	61.2	59.9	90.51	-7,035.2	-972.2	888.1	767.1	121.04	7.337	
16,300.0	9,384.3	16,216.1	9,392.2	62.0	60.7	90.51	-7,135.2	-972.3	888.1	765.4	122.74	7.236	
16,400.0	9,384.0	16,316.1	9,391.9	62.9	61.6	90.51	-7,235.2	-972.3	888.1	763.6	124.44	7.137	
16,500.0	9,383.8	16,416.1	9,391.6	63.7	62.4	90.51	-7,335.2	-972.3	888.1	761.9	126.14	7.040	
16,600.0	9,383.5	16,516.1	9,391.3	64.6	63.3	90.51	-7,435.2	-972.4	888.1	760.2	127.84	6.947	
16,700.0	9,383.2	16,616.1	9,391.0	65.4	64.1	90.51	-7,535.2	-972.4	888.1	758.5	129.55	6.855	
16,800.0	9,383.0	16,716.1	9,390.8	66.3	65.0	90.50	-7,635.2	-972.5	888.1	756.8	131.25	6.766	
16,900.0	9,382.7	16,816.1	9,390.5	67.1	65.8	90.50	-7,735.2	-972.5	888.1	755.1	132.96	6.679	
17,000.0	9,382.4	16,916.1	9,390.2	68.0	66.7	90.50	-7,835.2	-972.6	888.1	753.4	134.66	6.595	
17,100.0	9,382.1	17,016.1	9,389.9	68.8	67.5	90.50	-7,935.2	-972.6	888.1	751.7	136.37	6.512	
17,200.0	9,381.9	17,116.1	9,389.6	69.7	68.4	90.50	-8,035.2	-972.7	888.1	750.0	138.07	6.432	
17,300.0	9,381.6	17,216.1	9,389.3	70.6	69.2	90.50	-8,135.2	-972.7	888.1	748.3	139.78	6.353	
17,304.1	9,381.6	17,220.2	9,389.3	70.6	69.3	90.50	-8,139.3	-972.7	888.1	748.2	139.85	6.350	
17,400.0	9,381.3	17,300.0	9,389.1	71.4	69.9	90.50	-8,219.2	-973.8	889.2	747.9	141.34	6.291	
17,500.0	9,381.1	17,370.3	9,388.9	72.3	70.5	90.49	-8,289.4	-976.6	893.0	750.3	142.67	6.259	
17,600.0	9,380.8	17,446.3	9,388.7	73.1	71.2	90.49	-8,365.2	-981.5	899.5	755.5	143.97	6.248	
17,640.0	9,380.7	17,476.6	9,388.6	73.5	71.4	90.49	-8,395.4	-984.0	902.8	758.3	144.46	6.249	
17,650.0	9,380.7	17,484.2	9,388.6	73.6	71.5	90.49	-8,403.0	-984.7	903.6	759.1	144.58	6.250	
17,658.2	9,380.7	17,500.0	9,388.5	73.6	71.6	90.49	-8,418.7	-986.2	904.3	759.5	144.87	6.242	
17,700.0	9,380.5	17,522.1	9,388.5	74.0	71.8	90.49	-8,440.7	-988.4	907.6	762.4	145.17	6.252	
17,800.0	9,380.3	17,600.0	9,388.3	74.8	72.5	90.48	-8,518.1	-997.6	917.4	771.1	146.33	6.270	
17,900.0	9,380.0	17,672.6	9,388.1	75.7	73.1	90.48	-8,589.9	-1,008.1	929.9	782.6	147.25	6.315	
18,000.0	9,379.7	17,747.1	9,387.9	76.5	73.7	90.47	-8,663.3	-1,020.7	944.9	796.8	148.15	6.378	
18,100.0	9,379.5	17,820.9	9,387.7	77.4	74.3	90.47	-8,735.7	-1,035.1	962.5	813.6	148.94	6.463	
18,200.0	9,379.2	17,900.0	9,387.5	78.2	74.9	90.46	-8,812.9	-1,052.6	982.6	832.8	149.86	6.557	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #704H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8729-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
0.0	0.0	8.0	8.0	3.0	3.0	-162.99	-780.9	-238.9	816.6				
100.0	100.0	108.0	108.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.00	136.081	
200.0	200.0	208.0	208.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.01	135.863	
300.0	300.0	308.0	308.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.03	135.401	
400.0	400.0	408.0	408.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.5	6.06	134.705	
500.0	500.0	508.0	508.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.5	6.10	133.784	
600.0	600.0	608.0	608.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.4	6.16	132.653	
700.0	700.0	708.0	708.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.4	6.22	131.328	
800.0	800.0	808.0	808.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.3	6.29	129.827	
900.0	900.0	908.0	908.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.2	6.37	128.170	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.1	6.46	126.377	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-162.99	-780.9	-238.9	816.6	810.0	6.56	124.468	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-162.99	-780.9	-238.9	816.6	809.9	6.67	122.463	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-162.99	-780.9	-238.9	816.6	809.8	6.78	120.381	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-162.99	-780.9	-238.9	816.6	809.7	6.91	118.239	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-162.99	-780.9	-238.9	816.6	809.6	7.04	116.055	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-162.99	-780.9	-238.9	816.6	809.4	7.17	113.842	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-162.99	-780.9	-238.9	816.6	809.3	7.32	111.616	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-162.99	-780.9	-238.9	816.6	809.1	7.47	109.386	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-162.99	-780.9	-238.9	816.6	809.0	7.62	107.165	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-162.99	-780.9	-238.9	816.6	808.8	7.78	104.960	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-162.99	-780.9	-238.9	816.6	808.7	7.95	102.780	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-162.99	-780.9	-238.9	816.6	808.5	8.11	100.630	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-162.99	-780.9	-238.9	816.6	808.3	8.29	98.516	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-162.99	-780.9	-238.9	816.6	808.1	8.47	96.442	
2,500.0	2,500.0	2,508.0	2,508.0	4.4	4.4	-162.99	-780.9	-238.9	816.6	808.0	8.65	94.412	
2,600.0	2,600.0	2,608.0	2,608.0	4.5	4.5	-162.99	-780.9	-238.9	816.6	807.8	8.84	92.427	
2,700.0	2,700.0	2,708.0	2,708.0	4.6	4.6	-162.99	-780.9	-238.9	816.6	807.6	9.02	90.489	
2,800.0	2,800.0	2,808.0	2,808.0	4.7	4.7	-162.99	-780.9	-238.9	816.6	807.4	9.22	88.601	
2,900.0	2,900.0	2,908.0	2,908.0	4.8	4.8	-162.99	-780.9	-238.9	816.6	807.2	9.41	86.762	
3,000.0	3,000.0	3,008.0	3,008.0	4.9	4.9	-162.99	-780.9	-238.9	816.6	807.0	9.61	84.972	
3,100.0	3,100.0	3,108.0	3,108.0	5.0	5.0	-162.99	-780.9	-238.9	816.6	806.8	9.81	83.233	
3,200.0	3,200.0	3,208.0	3,208.0	5.1	5.1	-162.99	-780.9	-238.9	816.6	806.6	10.01	81.543	
3,300.0	3,300.0	3,308.0	3,308.0	5.2	5.2	-162.99	-780.9	-238.9	816.6	806.4	10.22	79.902	
3,400.0	3,400.0	3,408.0	3,408.0	5.3	5.3	-162.99	-780.9	-238.9	816.6	806.2	10.43	78.310	
3,500.0	3,500.0	3,508.0	3,508.0	5.4	5.4	-162.99	-780.9	-238.9	816.6	806.0	10.64	76.764	
3,600.0	3,600.0	3,608.0	3,608.0	5.5	5.6	-162.99	-780.9	-238.9	816.6	805.8	10.85	75.265	
3,700.0	3,700.0	3,708.0	3,708.0	5.7	5.7	-162.99	-780.9	-238.9	816.6	805.5	11.06	73.811	
3,800.0	3,800.0	3,808.0	3,808.0	5.8	5.8	-162.99	-780.9	-238.9	816.6	805.3	11.28	72.401	
3,900.0	3,900.0	3,908.0	3,908.0	5.9	5.9	-162.99	-780.9	-238.9	816.6	805.1	11.50	71.034	
4,000.0	4,000.0	4,008.0	4,008.0	6.0	6.0	-162.99	-780.9	-238.9	816.6	804.9	11.71	69.708	
4,100.0	4,100.0	4,108.0	4,108.0	6.1	6.1	-162.99	-780.9	-238.9	816.6	804.7	11.93	68.423	
4,200.0	4,200.0	4,208.0	4,208.0	6.2	6.2	-162.99	-780.9	-238.9	816.6	804.4	12.16	67.176	
4,300.0	4,300.0	4,308.0	4,308.0	6.3	6.3	-162.99	-780.9	-238.9	816.6	804.2	12.38	65.967	
4,400.0	4,400.0	4,408.0	4,408.0	6.5	6.5	-162.99	-780.9	-238.9	816.6	804.0	12.60	64.795	
4,500.0	4,500.0	4,508.0	4,508.0	6.6	6.6	-162.99	-780.9	-238.9	816.6	803.8	12.83	63.657	
4,600.0	4,600.0	4,608.0	4,608.0	6.7	6.7	-162.99	-780.9	-238.9	816.6	803.5	13.05	62.554	
4,700.0	4,700.0	4,708.0	4,708.0	6.8	6.8	-162.99	-780.9	-238.9	816.6	803.3	13.28	61.483	
4,800.0	4,800.0	4,808.0	4,808.0	6.9	6.9	-162.99	-780.9	-238.9	816.6	803.1	13.51	60.443	
4,900.0	4,900.0	4,908.0	4,908.0	7.0	7.1	-162.99	-780.9	-238.9	816.6	802.9	13.74	59.435	
5,000.0	5,000.0	5,008.0	5,008.0	7.2	7.2	-162.99	-780.9	-238.9	816.6	802.6	13.97	58.455	
5,100.0	5,100.0	5,108.0	5,108.0	7.3	7.3	-162.99	-780.9	-238.9	816.6	802.4	14.20	57.504	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #704H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8729-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
5,200.0	5,200.0	5,208.0	5,208.0	7.4	7.4	-162.99	-780.9	-238.9	816.6	802.2	14.43	56.580	
5,300.0	5,300.0	5,308.0	5,308.0	7.5	7.5	-162.99	-780.9	-238.9	816.6	801.9	14.67	55.682	
5,400.0	5,400.0	5,408.0	5,408.0	7.6	7.7	-162.99	-780.9	-238.9	816.6	801.7	14.90	54.810	
5,500.0	5,500.0	5,508.3	5,508.3	7.8	7.8	-162.99	-780.9	-238.9	816.6	801.5	15.13	53.974	
5,600.0	5,600.0	5,611.8	5,611.8	7.9	7.8	-163.14	-781.2	-236.8	816.3	801.0	15.33	53.236	
5,700.0	5,700.0	5,715.1	5,714.9	8.0	7.9	-163.55	-782.3	-231.0	815.7	800.2	15.52	52.563	
5,800.0	5,800.0	5,815.8	5,815.3	8.1	7.9	-164.15	-783.7	-222.6	814.8	799.1	15.71	51.870	
5,900.0	5,900.0	5,915.5	5,914.5	8.3	7.9	-164.75	-785.3	-214.0	813.9	798.0	15.90	51.202	
6,000.0	6,000.0	6,015.1	6,013.7	8.4	7.9	-165.36	-786.8	-205.5	813.2	797.1	16.08	50.561	
6,100.0	6,100.0	6,114.7	6,113.0	8.5	8.0	-165.97	-788.3	-196.9	812.5	796.2	16.27	49.944	
6,200.0	6,200.0	6,214.3	6,212.2	8.6	8.0	-166.59	-789.8	-188.4	811.9	795.5	16.45	49.351	
6,300.0	6,300.0	6,313.9	6,311.5	8.8	8.0	-167.20	-791.3	-179.8	811.5	794.8	16.64	48.780	
6,400.0	6,400.0	6,413.6	6,410.7	8.9	8.1	-167.81	-792.8	-171.3	811.1	794.3	16.82	48.232	
6,500.0	6,500.0	6,513.2	6,510.0	9.0	8.1	-168.42	-794.3	-162.7	810.8	793.8	17.00	47.706	
6,600.0	6,600.0	6,612.8	6,609.2	9.1	8.2	-169.04	-795.8	-154.2	810.6	793.4	17.17	47.200	
6,700.0	6,700.0	6,712.4	6,708.4	9.2	8.2	-169.65	-797.3	-145.6	810.5	793.2	17.35	46.714	
6,756.9	6,756.9	6,769.1	6,764.9	9.3	8.2	-170.00	-798.2	-140.7	810.5	793.0	17.45	46.445	
6,800.0	6,800.0	6,812.0	6,807.7	9.4	8.2	-170.26	-798.8	-137.1	810.5	793.0	17.53	46.247	
6,900.0	6,900.0	6,911.7	6,906.9	9.5	8.3	-170.88	-800.3	-128.5	810.6	792.9	17.70	45.798	
7,000.0	7,000.0	7,011.3	7,006.2	9.6	8.3	-171.49	-801.8	-120.0	810.8	792.9	17.87	45.368	
7,100.0	7,100.0	7,110.9	7,105.4	9.7	8.4	-172.10	-803.3	-111.4	811.0	793.0	18.04	44.954	
7,200.0	7,200.0	7,210.5	7,204.6	9.9	8.4	-172.72	-804.9	-102.9	811.4	793.2	18.21	44.557	
7,300.0	7,300.0	7,310.1	7,303.9	10.0	8.5	-173.33	-806.4	-94.3	811.9	793.5	18.38	44.176	
7,400.0	7,400.0	7,409.7	7,403.1	10.1	8.6	-173.94	-807.9	-85.8	812.4	793.9	18.54	43.811	
7,500.0	7,500.0	7,509.4	7,502.4	10.3	8.6	-174.55	-809.4	-77.2	813.1	794.4	18.71	43.460	
7,600.0	7,600.0	7,609.0	7,601.6	10.4	8.7	-175.16	-810.9	-68.7	813.8	794.9	18.87	43.124	
7,700.0	7,700.0	7,708.6	7,700.8	10.5	8.7	-175.77	-812.4	-60.1	814.6	795.6	19.03	42.802	
7,800.0	7,800.0	7,808.2	7,800.1	10.6	8.8	-176.38	-813.9	-51.6	815.6	796.4	19.19	42.492	
7,900.0	7,900.0	7,907.8	7,899.3	10.8	8.9	-176.98	-815.4	-43.0	816.6	797.2	19.35	42.196	
8,000.0	8,000.0	8,007.5	7,998.6	10.9	8.9	-177.59	-816.9	-34.5	817.7	798.2	19.51	41.912	
8,100.0	8,100.0	8,107.1	8,097.8	11.0	9.0	-178.19	-818.4	-25.9	818.9	799.2	19.67	41.640	
8,200.0	8,200.0	8,206.7	8,197.0	11.1	9.1	-178.79	-819.9	-17.4	820.2	800.4	19.82	41.380	
8,300.0	8,300.0	8,306.3	8,296.3	11.3	9.2	-179.39	-821.4	-8.8	821.6	801.6	19.97	41.130	
8,400.0	8,400.0	8,405.9	8,395.5	11.4	9.2	-179.98	-822.9	-0.3	823.0	802.9	20.13	40.891	
8,500.0	8,500.0	8,505.6	8,494.8	11.5	9.3	-179.42	-824.5	8.3	824.6	804.3	20.28	40.662	
8,600.0	8,600.0	8,510.8	8,490.6	11.6	10.4	113.06	-168.4	395.4	806.6	777.3	29.37	27.464	
8,700.0	8,700.0	9,811.8	9,290.7	11.8	10.4	112.93	-167.4	395.8	724.0	695.2	28.76	25.176	
8,800.0	8,800.0	9,812.8	9,290.7	11.9	10.4	112.79	-166.5	396.2	646.2	618.4	27.79	23.253	
8,829.0	8,829.0	9,813.1	9,290.7	11.9	10.4	112.75	-166.2	396.3	624.9	597.4	27.43	22.784	
8,850.0	8,850.0	9,812.9	9,290.7	12.0	10.4	-77.92	-166.4	396.2	609.7	582.5	27.28	22.351	
8,900.0	8,899.8	9,808.8	9,290.6	12.0	10.4	-82.21	-170.2	394.6	574.7	548.3	26.47	21.715	
8,950.0	8,949.1	9,799.8	9,290.5	12.0	10.4	-85.41	-178.5	391.2	541.5	516.0	25.51	21.230	
9,000.0	8,997.5	9,785.9	9,290.4	12.0	10.4	-87.52	-191.3	385.9	510.6	486.1	24.41	20.917	
9,050.0	9,044.6	9,767.4	9,290.3	12.0	10.4	-88.57	-208.4	378.6	482.2	459.0	23.18	20.796	
9,100.0	9,090.0	9,744.3	9,290.1	12.0	10.4	-88.64	-229.6	369.5	456.5	434.7	21.87	20.871	
9,150.0	9,133.5	9,716.9	9,289.8	12.1	10.4	-87.82	-254.6	358.4	433.8	413.3	20.54	21.120	
9,200.0	9,174.6	9,685.6	9,289.6	12.1	10.3	-86.25	-283.1	345.4	414.0	394.7	19.28	21.468	
9,250.0	9,213.1	9,650.5	9,289.3	12.2	10.3	-84.04	-314.9	330.5	396.8	378.5	18.21	21.792	
9,300.0	9,248.7	9,612.4	9,288.8	12.2	10.3	-81.36	-349.1	313.9	381.8	364.4	17.40	21.947	
9,350.0	9,281.1	9,575.3	9,286.5	12.3	10.3	-78.52	-382.4	297.5	368.9	352.0	16.90	21.829	
9,400.0	9,310.1	9,539.8	9,282.0	12.3	10.3	-75.57	-413.9	281.8	358.2	341.4	16.79	21.337	
9,450.0	9,335.4	9,505.6	9,275.7	12.4	10.2	-72.51	-443.9	266.6	349.7	332.5	17.10	20.444	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #704H - OWB - PWP1													Offset Site Error: 3.0 usft	
Survey Program: 0-Standard Keeper 104, 8729-MWD+IFR1+FDIR													Offset Well Error: 3.0 usft	
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
9,500.0	9,356.8	9,472.5	9,267.7	12.5	10.2	-69.35	-472.4	251.9	343.4	325.6	17.82	19.269		
9,550.0	9,374.2	9,440.2	9,258.1	12.5	10.2	-66.12	-499.8	237.8	339.3	320.4	18.83	18.014		
9,600.0	9,387.5	9,408.7	9,247.1	12.5	10.1	-62.83	-525.9	224.0	337.2	317.2	20.02	16.847		
9,630.5	9,393.5	9,389.7	9,239.7	12.6	10.1	-60.82	-541.3	215.8	336.9	316.1	20.77	16.223 CC		
9,650.0	9,396.5	9,377.7	9,234.7	12.6	10.1	-59.54	-550.9	210.7	337.0	315.8	21.24	15.866 ES		
9,700.0	9,401.2	9,350.0	9,222.3	12.6	10.1	-56.56	-572.8	198.9	338.5	316.1	22.34	15.151		
9,730.5	9,402.0	9,328.8	9,212.1	12.6	10.0	-54.33	-589.0	190.0	340.0	316.9	23.06	14.744		
9,800.0	9,401.8	9,289.1	9,191.1	12.6	10.0	-50.39	-618.6	173.7	347.1	322.6	24.46	14.193		
9,900.0	9,401.5	9,238.7	9,161.1	12.7	9.9	-45.29	-653.8	153.7	368.7	342.5	26.16	14.093 SF		
10,000.0	9,401.2	9,200.0	9,135.8	12.7	9.8	-41.61	-679.1	139.0	403.8	376.6	27.15	14.875		
10,100.0	9,401.0	9,150.0	9,100.3	12.8	9.8	-37.04	-709.3	121.0	450.9	422.9	28.04	16.079		
10,206.0	9,400.7	9,125.5	9,081.8	12.9	9.7	-35.66	-723.0	112.6	511.3	483.4	27.93	18.304		
10,300.0	9,400.4	9,100.0	9,061.9	13.0	9.7	-33.09	-736.5	104.2	572.7	544.9	27.80	20.600		
10,400.0	9,400.2	9,076.0	9,042.5	13.3	9.7	-30.79	-748.4	96.6	644.8	617.3	27.54	23.411		
10,500.0	9,399.9	9,050.0	9,020.9	13.9	9.7	-28.46	-760.5	88.7	722.1	694.8	27.34	26.415		
10,600.0	9,399.6	9,050.0	9,020.9	14.5	9.7	-28.46	-760.5	88.7	803.5	776.8	26.73	30.058		
10,700.0	9,399.3	9,019.3	8,994.5	15.3	9.6	-25.91	-773.5	79.9	887.4	860.7	26.68	33.258		
10,800.0	9,399.1	9,000.0	8,977.5	16.0	9.6	-24.43	-781.0	74.6	973.9	947.4	26.50	36.753		

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-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	8.0	8.0	3.0	3.0	-161.00	-780.9	-268.9	825.9				
100.0	100.0	108.0	108.0	3.0	3.0	-161.00	-780.9	-268.9	825.9	819.9	6.00	137.625	
200.0	200.0	208.0	208.0	3.0	3.0	-161.00	-780.9	-268.9	825.9	819.9	6.01	137.407	
300.0	300.0	308.0	308.0	3.0	3.0	-161.00	-780.9	-268.9	825.9	819.8	6.03	136.948	
400.0	400.0	408.0	408.0	3.0	3.0	-161.00	-780.9	-268.9	825.9	819.8	6.06	136.254	
500.0	500.0	508.0	508.0	3.1	3.1	-161.00	-780.9	-268.9	825.9	819.8	6.10	135.337	
600.0	600.0	608.0	608.0	3.1	3.1	-161.00	-780.9	-268.9	825.9	819.7	6.15	134.210	
700.0	700.0	708.0	708.0	3.1	3.1	-161.00	-780.9	-268.9	825.9	819.6	6.21	132.889	
800.0	800.0	808.0	808.0	3.2	3.2	-161.00	-780.9	-268.9	825.9	819.6	6.29	131.392	
900.0	900.0	908.0	908.0	3.2	3.2	-161.00	-780.9	-268.9	825.9	819.5	6.37	129.738	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-161.00	-780.9	-268.9	825.9	819.4	6.45	127.948	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-161.00	-780.9	-268.9	825.9	819.3	6.55	126.041	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-161.00	-780.9	-268.9	825.9	819.2	6.66	124.036	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-161.00	-780.9	-268.9	825.9	819.1	6.77	121.954	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-161.00	-780.9	-268.9	825.9	819.0	6.89	119.810	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-161.00	-780.9	-268.9	825.9	818.8	7.02	117.622	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-161.00	-780.9	-268.9	825.9	818.7	7.16	115.405	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-161.00	-780.9	-268.9	825.9	818.6	7.30	113.172	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-161.00	-780.9	-268.9	825.9	818.4	7.44	110.934	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-161.00	-780.9	-268.9	825.9	818.3	7.60	108.704	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-161.00	-780.9	-268.9	825.9	818.1	7.76	106.489	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-161.00	-780.9	-268.9	825.9	817.9	7.92	104.297	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-161.00	-780.9	-268.9	825.9	817.8	8.09	102.134	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-161.00	-780.9	-268.9	825.9	817.6	8.26	100.006	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-161.00	-780.9	-268.9	825.9	817.4	8.43	97.918	
2,413.8	2,413.8	2,421.8	2,421.8	4.3	4.3	-161.00	-780.9	-268.9	825.9	817.4	8.46	97.634	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	-161.00	-780.9	-268.9	825.9	817.3	8.61	95.960	
2,600.0	2,600.0	2,585.7	2,585.7	4.5	4.4	-161.04	-782.1	-268.7	827.3	818.6	8.72	94.837	
2,700.0	2,700.0	2,665.0	2,664.9	4.6	4.4	-161.14	-785.6	-268.3	831.3	822.5	8.80	94.452	
2,800.0	2,800.0	2,755.6	2,755.3	4.7	4.4	-161.32	-791.6	-267.6	837.3	828.4	8.87	94.360	
2,900.0	2,900.0	2,855.3	2,854.8	4.8	4.3	-161.53	-798.5	-266.8	843.6	834.7	8.95	94.240	
3,000.0	3,000.0	2,955.1	2,954.3	4.9	4.3	-161.73	-805.5	-265.9	849.9	840.9	9.03	94.077	
3,100.0	3,100.0	3,054.8	3,053.8	5.0	4.3	-161.93	-812.4	-265.1	856.2	847.1	9.12	93.871	
3,200.0	3,200.0	3,154.6	3,153.3	5.1	4.3	-162.12	-819.3	-264.3	862.6	853.4	9.21	93.623	
3,300.0	3,300.0	3,254.3	3,252.8	5.2	4.3	-162.31	-826.2	-263.5	868.9	859.6	9.31	93.337	
3,400.0	3,400.0	3,354.1	3,352.3	5.3	4.2	-162.50	-833.1	-262.6	875.3	865.9	9.41	93.012	
3,500.0	3,500.0	3,453.9	3,451.9	5.4	4.2	-162.69	-840.0	-261.8	881.6	872.1	9.52	92.652	
3,600.0	3,600.0	3,553.6	3,551.4	5.5	4.2	-162.87	-846.9	-261.0	888.0	878.4	9.63	92.258	
3,700.0	3,700.0	3,653.4	3,650.9	5.7	4.2	-163.05	-853.8	-260.1	894.4	884.7	9.74	91.833	
3,800.0	3,800.0	3,753.1	3,750.4	5.8	4.2	-163.23	-860.7	-259.3	900.8	890.9	9.86	91.378	
3,900.0	3,900.0	3,852.9	3,849.9	5.9	4.2	-163.41	-867.6	-258.5	907.2	897.2	9.98	90.895	
4,000.0	4,000.0	3,952.6	3,949.4	6.0	4.3	-163.58	-874.5	-257.7	913.6	903.5	10.11	90.387	
4,100.0	4,100.0	4,052.4	4,048.9	6.1	4.3	-163.76	-881.5	-256.8	920.0	909.8	10.24	89.855	
4,200.0	4,200.0	4,152.2	4,148.5	6.2	4.3	-163.92	-888.4	-256.0	926.4	916.1	10.37	89.302	
4,300.0	4,300.0	4,251.9	4,248.0	6.3	4.3	-164.09	-895.3	-255.2	932.9	922.3	10.51	88.729	
4,400.0	4,400.0	4,351.7	4,347.5	6.5	4.3	-164.26	-902.2	-254.3	939.3	928.6	10.66	88.140	
4,500.0	4,500.0	4,451.4	4,447.0	6.6	4.4	-164.42	-909.1	-253.5	945.7	934.9	10.80	87.535	
4,600.0	4,600.0	4,551.2	4,546.5	6.7	4.4	-164.58	-916.0	-252.7	952.2	941.2	10.96	86.916	
4,700.0	4,700.0	4,650.9	4,646.0	6.8	4.5	-164.74	-922.9	-251.9	958.7	947.6	11.11	86.288	
4,800.0	4,800.0	4,789.3	4,784.2	6.9	4.5	-164.89	-929.8	-251.0	963.4	952.1	11.29	85.356	
4,900.0	4,900.0	4,913.1	4,908.0	7.0	4.6	-164.92	-930.9	-250.9	964.1	952.6	11.48	84.005	
5,000.0	5,000.0	5,013.1	5,008.0	7.2	4.7	-164.92	-930.9	-250.9	964.1	952.4	11.66	82.702	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-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	5,100.0	5,113.1	5,108.0	7.3	4.7	-164.92	-930.9	-250.9	964.1	952.2	11.84	81.418	
5,200.0	5,200.0	5,213.1	5,208.0	7.4	4.8	-164.92	-930.9	-250.9	964.1	952.1	12.03	80.154	
5,300.0	5,300.0	5,313.1	5,308.0	7.5	4.9	-164.92	-930.9	-250.9	964.1	951.9	12.22	78.911	
5,400.0	5,400.0	5,413.1	5,408.0	7.6	4.9	-164.92	-930.9	-250.9	964.1	951.7	12.41	77.689	
5,500.0	5,500.0	5,513.1	5,508.0	7.8	5.0	-164.92	-930.9	-250.9	964.1	951.5	12.60	76.488	
5,600.0	5,600.0	5,613.1	5,608.0	7.9	5.1	-164.92	-930.9	-250.9	964.1	951.3	12.80	75.310	
5,700.0	5,700.0	5,713.1	5,708.0	8.0	5.2	-164.92	-930.9	-250.9	964.1	951.1	13.00	74.154	
5,800.0	5,800.0	5,813.1	5,808.0	8.1	5.2	-164.92	-930.9	-250.9	964.1	950.9	13.20	73.021	
5,900.0	5,900.0	5,913.1	5,908.0	8.3	5.3	-164.92	-930.9	-250.9	964.1	950.7	13.41	71.911	
6,000.0	6,000.0	6,013.1	6,008.0	8.4	5.4	-164.92	-930.9	-250.9	964.1	950.5	13.61	70.823	
6,100.0	6,100.0	6,113.1	6,108.0	8.5	5.5	-164.92	-930.9	-250.9	964.1	950.3	13.82	69.758	
6,200.0	6,200.0	6,213.1	6,208.0	8.6	5.6	-164.92	-930.9	-250.9	964.1	950.1	14.03	68.716	
6,300.0	6,300.0	6,313.1	6,308.0	8.8	5.7	-164.92	-930.9	-250.9	964.1	949.8	14.24	67.696	
6,400.0	6,400.0	6,413.1	6,408.0	8.9	5.8	-164.92	-930.9	-250.9	964.1	949.6	14.45	66.698	
6,500.0	6,500.0	6,513.1	6,508.0	9.0	5.9	-164.92	-930.9	-250.9	964.1	949.4	14.67	65.723	
6,600.0	6,600.0	6,613.1	6,608.0	9.1	6.0	-164.92	-930.9	-250.9	964.1	949.2	14.89	64.768	
6,700.0	6,700.0	6,713.1	6,708.0	9.2	6.1	-164.92	-930.9	-250.9	964.1	949.0	15.10	63.835	
6,800.0	6,800.0	6,813.1	6,808.0	9.4	6.2	-164.92	-930.9	-250.9	964.1	948.8	15.32	62.923	
6,900.0	6,900.0	6,913.1	6,908.0	9.5	6.3	-164.92	-930.9	-250.9	964.1	948.5	15.54	62.031	
7,000.0	7,000.0	7,013.1	7,008.0	9.6	6.4	-164.92	-930.9	-250.9	964.1	948.3	15.76	61.159	
7,100.0	7,100.0	7,113.1	7,108.0	9.7	6.5	-164.92	-930.9	-250.9	964.1	948.1	15.99	60.307	
7,200.0	7,200.0	7,213.1	7,208.0	9.9	6.6	-164.92	-930.9	-250.9	964.1	947.9	16.21	59.474	
7,300.0	7,300.0	7,313.1	7,308.0	10.0	6.7	-164.92	-930.9	-250.9	964.1	947.6	16.43	58.660	
7,400.0	7,400.0	7,413.1	7,408.0	10.1	6.8	-164.92	-930.9	-250.9	964.1	947.4	16.66	57.865	
7,500.0	7,500.0	7,513.1	7,508.0	10.3	6.9	-164.92	-930.9	-250.9	964.1	947.2	16.89	57.087	
7,600.0	7,600.0	7,613.1	7,608.0	10.4	7.0	-164.92	-930.9	-250.9	964.1	947.0	17.12	56.326	
7,700.0	7,700.0	7,713.1	7,708.0	10.5	7.1	-164.92	-930.9	-250.9	964.1	946.7	17.34	55.583	
7,800.0	7,800.0	7,813.1	7,808.0	10.6	7.2	-164.92	-930.9	-250.9	964.1	946.5	17.57	54.856	
7,900.0	7,900.0	7,913.1	7,908.0	10.8	7.3	-164.92	-930.9	-250.9	964.1	946.3	17.81	54.146	
8,000.0	8,000.0	8,013.1	8,008.0	10.9	7.4	-164.92	-930.9	-250.9	964.1	946.0	18.04	53.451	
8,100.0	8,100.0	8,113.1	8,108.0	11.0	7.5	-164.92	-930.9	-250.9	964.1	945.8	18.27	52.772	
8,200.0	8,200.0	8,213.1	8,208.0	11.1	7.7	-164.92	-930.9	-250.9	964.1	945.6	18.50	52.108	
8,300.0	8,300.0	8,313.1	8,308.0	11.3	7.8	-164.92	-930.9	-250.9	964.1	945.3	18.74	51.458	
8,400.0	8,400.0	9,950.5	9,271.7	11.4	11.0	-91.92	-8.7	-258.3	901.6	870.8	30.75	29.321	
8,500.0	8,500.0	9,951.2	9,271.8	11.5	11.0	-91.76	-7.9	-258.3	806.3	775.5	30.76	26.209	
8,600.0	8,600.0	9,952.0	9,271.8	11.6	11.0	-91.59	-7.1	-258.3	712.3	681.6	30.67	23.222	
8,700.0	8,700.0	9,952.8	9,271.8	11.8	11.0	-91.42	-6.4	-258.3	620.2	589.8	30.41	20.395	
8,800.0	8,800.0	9,953.5	9,271.8	11.9	11.0	-91.25	-5.6	-258.3	530.9	501.0	29.84	17.788	
8,829.0	8,829.0	9,953.8	9,271.8	11.9	11.0	-91.20	-5.4	-258.3	505.8	476.2	29.60	17.087	
8,850.0	8,850.0	9,953.5	9,271.8	12.0	11.0	83.61	-5.6	-258.3	487.8	458.2	29.55	16.509	
8,900.0	8,899.8	9,950.0	9,271.7	12.0	11.0	90.47	-9.2	-258.3	445.9	417.0	28.91	15.423	
8,950.0	8,949.1	9,942.1	9,271.7	12.0	11.0	95.48	-17.0	-258.2	405.8	377.7	28.06	14.461	
9,000.0	8,997.5	9,930.0	9,271.6	12.0	11.0	98.64	-29.1	-258.1	368.1	341.2	26.94	13.663	
9,050.0	9,044.6	9,913.8	9,271.5	12.0	11.0	100.09	-45.3	-258.0	333.6	308.1	25.51	13.076	
9,100.0	9,090.0	9,893.6	9,271.3	12.0	11.0	99.95	-65.5	-257.8	302.9	279.2	23.74	12.758	
9,150.0	9,133.5	9,869.6	9,271.1	12.1	10.9	98.37	-89.6	-257.6	276.8	255.1	21.69	12.764	
9,200.0	9,174.6	9,841.9	9,270.9	12.1	10.9	95.46	-117.3	-257.4	255.9	236.3	19.52	13.108	
9,250.0	9,213.1	9,810.7	9,270.7	12.2	10.9	91.37	-148.4	-257.2	240.3	222.7	17.61	13.646	
9,300.0	9,248.7	9,776.3	9,270.4	12.2	10.8	86.32	-182.8	-256.9	230.0	213.5	16.47	13.965	
9,350.0	9,281.1	9,739.0	9,270.1	12.3	10.8	80.62	-220.2	-256.6	224.4	208.0	16.43	13.659	
9,400.0	9,310.1	9,699.0	9,269.8	12.3	10.8	74.66	-260.2	-256.3	222.5	205.2	17.34	12.829	
9,410.5	9,315.7	9,690.2	9,269.8	12.4	10.8	73.42	-268.9	-256.2	222.5	204.8	17.62	12.625 CC	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-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
9,450.0	9,335.4	9,656.6	9,269.5	12.4	10.8	68.84	-302.6	-255.9	223.0	204.3	18.78	11.875 ES	
9,500.0	9,356.8	9,612.1	9,269.2	12.5	10.7	63.49	-347.0	-255.6	224.7	204.4	20.32	11.058	
9,550.0	9,374.2	9,571.1	9,268.3	12.5	10.7	59.17	-388.0	-255.2	226.8	205.1	21.74	10.430	
9,600.0	9,387.5	9,533.0	9,265.0	12.5	10.6	55.34	-426.0	-254.9	229.7	206.7	23.05	9.967	
9,650.0	9,396.5	9,500.0	9,260.1	12.6	10.6	52.13	-458.6	-254.7	233.4	209.3	24.09	9.689	
9,700.0	9,401.2	9,458.5	9,251.4	12.6	10.5	48.43	-499.1	-254.4	237.5	212.4	25.12	9.455	
9,730.5	9,402.0	9,436.2	9,245.5	12.6	10.5	46.54	-520.6	-254.2	240.2	214.6	25.59	9.387 SF	
9,800.0	9,401.8	9,386.8	9,229.4	12.6	10.4	42.61	-567.3	-253.8	250.0	223.5	26.48	9.441	
9,900.0	9,401.5	9,321.1	9,201.9	12.7	10.3	37.00	-627.0	-253.3	277.0	249.7	27.34	10.133	
10,000.0	9,401.2	9,262.2	9,171.7	12.7	10.2	31.91	-677.5	-252.9	317.9	290.3	27.61	11.516	
10,100.0	9,401.0	9,210.3	9,140.8	12.8	10.1	27.50	-719.2	-252.6	370.5	343.0	27.46	13.491	
10,206.0	9,400.7	9,162.5	9,109.1	12.9	10.0	23.44	-755.0	-252.3	436.2	409.1	27.09	16.104	
10,300.0	9,400.4	9,125.6	9,082.7	13.0	10.0	21.77	-780.8	-252.1	500.8	474.1	26.71	18.749	
10,400.0	9,400.2	9,100.0	9,063.5	13.3	9.9	20.68	-797.6	-252.0	574.4	548.2	26.16	21.960	
10,500.0	9,399.9	9,050.0	9,023.7	13.9	9.8	18.75	-827.9	-251.7	651.9	625.7	26.21	24.871	
10,600.0	9,399.6	9,035.2	9,011.5	14.5	9.8	18.22	-836.2	-251.7	732.3	706.6	25.73	28.465	
10,700.0	9,399.3	9,000.0	8,981.5	15.3	9.8	17.04	-854.7	-251.5	815.8	790.1	25.67	31.780	
10,800.0	9,399.1	9,000.0	8,981.5	16.0	9.8	17.04	-854.7	-251.5	901.1	875.9	25.22	35.736	
10,900.0	9,398.8	8,973.9	8,958.6	16.8	9.8	16.23	-867.2	-251.4	988.2	963.0	25.17	39.257	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #706H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8698-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	8.0	8.0	3.0	3.0	-159.05	-781.0	-299.0	836.3				
100.0	100.0	108.0	108.0	3.0	3.0	-159.05	-781.0	-299.0	836.3	830.3	6.00	139.367	
200.0	200.0	208.0	208.0	3.0	3.0	-159.05	-781.0	-299.0	836.3	830.3	6.01	139.150	
300.0	300.0	308.0	308.0	3.0	3.0	-159.05	-781.0	-299.0	836.3	830.3	6.03	138.692	
400.0	400.0	408.0	408.0	3.0	3.0	-159.05	-781.0	-299.0	836.3	830.3	6.06	138.002	
500.0	500.0	508.0	508.0	3.1	3.1	-159.05	-781.0	-299.0	836.3	830.2	6.10	137.088	
600.0	600.0	608.0	608.0	3.1	3.1	-159.05	-781.0	-299.0	836.3	830.2	6.15	135.965	
700.0	700.0	708.0	708.0	3.1	3.1	-159.05	-781.0	-299.0	836.3	830.1	6.21	134.648	
800.0	800.0	808.0	808.0	3.2	3.2	-159.05	-781.0	-299.0	836.3	830.0	6.28	133.155	
900.0	900.0	908.0	908.0	3.2	3.2	-159.05	-781.0	-299.0	836.3	830.0	6.36	131.505	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-159.05	-781.0	-299.0	836.3	829.9	6.45	129.717	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-159.05	-781.0	-299.0	836.3	829.8	6.54	127.811	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-159.05	-781.0	-299.0	836.3	829.7	6.65	125.807	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-159.05	-781.0	-299.0	836.3	829.6	6.76	123.723	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-159.05	-781.0	-299.0	836.3	829.4	6.88	121.576	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-159.05	-781.0	-299.0	836.3	829.3	7.01	119.384	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-159.05	-781.0	-299.0	836.3	829.2	7.14	117.161	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-159.05	-781.0	-299.0	836.3	829.0	7.28	114.920	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-159.05	-781.0	-299.0	836.3	828.9	7.42	112.674	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-159.05	-781.0	-299.0	836.3	828.7	7.57	110.433	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-159.05	-781.0	-299.0	836.3	828.6	7.73	108.205	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-159.05	-781.0	-299.0	836.3	828.4	7.89	106.000	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-159.05	-781.0	-299.0	836.3	828.3	8.06	103.823	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-159.05	-781.0	-299.0	836.3	828.1	8.22	101.680	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-159.05	-781.0	-299.0	836.3	827.9	8.40	99.575	
2,500.0	2,500.0	2,508.0	2,508.0	4.4	4.4	-159.05	-781.0	-299.0	836.3	827.7	8.58	97.512	
2,600.0	2,600.0	2,608.0	2,608.0	4.5	4.5	-159.05	-781.0	-299.0	836.3	827.6	8.76	95.494	
2,700.0	2,700.0	2,708.0	2,708.0	4.6	4.6	-159.05	-781.0	-299.0	836.3	827.4	8.94	93.521	
2,800.0	2,800.0	2,808.0	2,808.0	4.7	4.7	-159.05	-781.0	-299.0	836.3	827.2	9.13	91.597	
2,900.0	2,900.0	2,908.0	2,908.0	4.8	4.8	-159.05	-781.0	-299.0	836.3	827.0	9.32	89.722	
3,000.0	3,000.0	3,008.0	3,008.0	4.9	4.9	-159.05	-781.0	-299.0	836.3	826.8	9.51	87.895	
3,100.0	3,100.0	3,108.0	3,108.0	5.0	5.0	-159.05	-781.0	-299.0	836.3	826.6	9.71	86.119	
3,200.0	3,200.0	3,208.0	3,208.0	5.1	5.1	-159.05	-781.0	-299.0	836.3	826.4	9.91	84.391	
3,300.0	3,300.0	3,308.0	3,308.0	5.2	5.2	-159.05	-781.0	-299.0	836.3	826.2	10.11	82.713	
3,400.0	3,400.0	3,408.0	3,408.0	5.3	5.3	-159.05	-781.0	-299.0	836.3	826.0	10.31	81.082	
3,500.0	3,500.0	3,508.0	3,508.0	5.4	5.4	-159.05	-781.0	-299.0	836.3	825.8	10.52	79.499	
3,600.0	3,600.0	3,608.0	3,608.0	5.5	5.6	-159.05	-781.0	-299.0	836.3	825.6	10.73	77.962	
3,700.0	3,700.0	3,708.0	3,708.0	5.7	5.7	-159.05	-781.0	-299.0	836.3	825.4	10.94	76.471	
3,800.0	3,800.0	3,808.0	3,808.0	5.8	5.8	-159.05	-781.0	-299.0	836.3	825.2	11.15	75.024	
3,900.0	3,900.0	3,908.0	3,908.0	5.9	5.9	-159.05	-781.0	-299.0	836.3	825.0	11.36	73.620	
4,000.0	4,000.0	4,008.0	4,008.0	6.0	6.0	-159.05	-781.0	-299.0	836.3	824.7	11.57	72.258	
4,100.0	4,100.0	4,108.0	4,108.0	6.1	6.1	-159.05	-781.0	-299.0	836.3	824.5	11.79	70.937	
4,200.0	4,200.0	4,208.0	4,208.0	6.2	6.2	-159.05	-781.0	-299.0	836.3	824.3	12.01	69.655	
4,300.0	4,300.0	4,308.0	4,308.0	6.3	6.3	-159.05	-781.0	-299.0	836.3	824.1	12.22	68.411	
4,400.0	4,400.0	4,408.0	4,408.0	6.5	6.5	-159.05	-781.0	-299.0	836.3	823.9	12.44	67.205	
4,500.0	4,500.0	4,508.0	4,508.0	6.6	6.6	-159.05	-781.0	-299.0	836.3	823.6	12.66	66.033	
4,600.0	4,600.0	4,608.0	4,608.0	6.7	6.7	-159.05	-781.0	-299.0	836.3	823.4	12.89	64.897	
4,700.0	4,700.0	4,708.0	4,708.0	6.8	6.8	-159.05	-781.0	-299.0	836.3	823.2	13.11	63.793	
4,800.0	4,800.0	4,808.0	4,808.0	6.9	6.9	-159.05	-781.0	-299.0	836.3	823.0	13.33	62.722	
4,900.0	4,900.0	4,908.0	4,908.0	7.0	7.1	-159.05	-781.0	-299.0	836.3	822.8	13.56	61.682	
5,000.0	5,000.0	5,008.0	5,008.0	7.2	7.2	-159.05	-781.0	-299.0	836.3	822.5	13.78	60.672	
5,100.0	5,100.0	5,108.0	5,108.0	7.3	7.3	-159.05	-781.0	-299.0	836.3	822.3	14.01	59.690	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #706H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8698-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
5,200.0	5,200.0	5,208.0	5,208.0	7.4	7.4	-159.05	-781.0	-299.0	836.3	822.1	14.24	58.737	
5,300.0	5,300.0	5,308.0	5,308.0	7.5	7.5	-159.05	-781.0	-299.0	836.3	821.8	14.47	57.810	
5,400.0	5,400.0	5,408.0	5,408.0	7.6	7.7	-159.05	-781.0	-299.0	836.3	821.6	14.70	56.909	
5,413.8	5,413.8	5,421.8	5,421.8	7.7	7.7	-159.05	-781.0	-299.0	836.3	821.6	14.73	56.787	
5,500.0	5,500.0	5,507.0	5,507.0	7.8	7.8	-159.05	-781.0	-299.0	836.3	821.4	14.92	56.051	
5,600.0	5,600.0	5,600.0	5,600.0	7.9	7.8	-158.95	-781.3	-300.7	837.2	822.2	15.08	55.523	
5,700.0	5,700.0	5,680.6	5,680.5	8.0	7.9	-158.72	-782.0	-304.6	839.7	824.5	15.18	55.325	
5,800.0	5,800.0	5,769.7	5,769.3	8.1	7.9	-158.32	-783.2	-311.4	843.8	828.5	15.26	55.279	
5,900.0	5,900.0	5,869.3	5,868.5	8.3	7.9	-157.82	-784.7	-320.0	848.4	833.0	15.34	55.293	
6,000.0	6,000.0	5,968.9	5,967.8	8.4	7.9	-157.32	-786.2	-328.5	853.1	837.6	15.42	55.314	
6,100.0	6,100.0	6,068.5	6,067.0	8.5	8.0	-156.83	-787.8	-337.1	857.8	842.3	15.50	55.338	
6,200.0	6,200.0	6,168.1	6,166.2	8.6	8.0	-156.35	-789.3	-345.6	862.6	847.0	15.58	55.366	
6,300.0	6,300.0	6,267.8	6,265.5	8.8	8.0	-155.87	-790.8	-354.2	867.5	851.8	15.66	55.397	
6,400.0	6,400.0	6,367.4	6,364.7	8.9	8.1	-155.40	-792.3	-362.7	872.4	856.7	15.74	55.430	
6,500.0	6,500.0	6,467.0	6,464.0	9.0	8.1	-154.93	-793.8	-371.3	877.4	861.6	15.82	55.466	
6,600.0	6,600.0	6,566.6	6,563.2	9.1	8.1	-154.47	-795.3	-379.8	882.5	866.6	15.90	55.503	
6,700.0	6,700.0	6,666.2	6,662.4	9.2	8.2	-154.01	-796.8	-388.4	887.6	871.6	15.98	55.542	
6,800.0	6,800.0	6,765.9	6,761.7	9.4	8.2	-153.56	-798.3	-396.9	892.7	876.7	16.06	55.581	
6,900.0	6,900.0	6,865.5	6,860.9	9.5	8.3	-153.12	-799.8	-405.5	898.0	881.8	16.14	55.621	
7,000.0	7,000.0	6,965.1	6,960.2	9.6	8.3	-152.68	-801.3	-414.0	903.2	887.0	16.23	55.661	
7,100.0	7,100.0	7,064.7	7,059.4	9.7	8.4	-152.24	-802.8	-422.6	908.6	892.2	16.31	55.701	
7,200.0	7,200.0	7,164.3	7,158.6	9.9	8.4	-151.81	-804.3	-431.1	913.9	897.5	16.40	55.739	
7,300.0	7,300.0	7,264.0	7,257.9	10.0	8.5	-151.38	-805.8	-439.7	919.4	902.9	16.48	55.777	
7,400.0	7,400.0	7,363.6	7,357.1	10.1	8.5	-150.96	-807.4	-448.2	924.8	908.3	16.57	55.814	
7,500.0	7,500.0	7,463.2	7,456.4	10.3	8.6	-150.55	-808.9	-456.8	930.4	913.7	16.66	55.849	
7,600.0	7,600.0	7,562.8	7,555.6	10.4	8.6	-150.14	-810.4	-465.3	935.9	919.2	16.75	55.882	
7,700.0	7,700.0	7,662.4	7,654.8	10.5	8.7	-149.73	-811.9	-473.9	941.6	924.7	16.84	55.913	
7,800.0	7,800.0	7,762.1	7,754.1	10.6	8.8	-149.33	-813.4	-482.4	947.2	930.3	16.93	55.942	
7,900.0	7,900.0	7,861.7	7,853.3	10.8	8.8	-148.93	-814.9	-491.0	952.9	935.9	17.03	55.968	
8,000.0	8,000.0	7,961.3	7,952.6	10.9	8.9	-148.54	-816.4	-499.5	958.7	941.6	17.12	55.991	
8,100.0	8,100.0	8,060.9	8,051.8	11.0	9.0	-148.15	-817.9	-508.1	964.5	947.3	17.22	56.011	
8,200.0	8,200.0	8,160.5	8,151.0	11.1	9.0	-147.77	-819.4	-516.6	970.4	953.0	17.32	56.028	
8,300.0	8,300.0	8,260.1	8,250.3	11.3	9.1	-147.39	-820.9	-525.2	976.2	958.8	17.42	56.042	
8,400.0	8,400.0	8,359.8	8,349.5	11.4	9.2	-147.02	-822.4	-533.7	982.2	964.7	17.52	56.052	
8,500.0	8,500.0	8,459.4	8,448.8	11.5	9.3	-146.65	-823.9	-542.3	988.2	970.5	17.63	56.058	
8,600.0	8,600.0	8,559.0	8,548.0	11.6	9.3	-146.28	-825.4	-550.8	994.2	976.4	17.73	56.061	
8,800.0	8,800.0	9,032.1	8,998.3	11.9	9.6	-139.79	-747.1	-631.5	996.6	978.1	18.54	53.768	
8,829.0	8,829.0	9,175.1	9,104.3	11.9	9.8	-134.35	-666.0	-681.4	989.6	970.5	19.07	51.878	
8,850.0	8,850.0	9,231.7	9,139.1	12.0	9.9	40.14	-627.3	-703.6	983.4	964.1	19.28	50.993	
8,900.0	8,899.8	9,287.5	9,168.6	12.0	10.0	44.33	-586.0	-726.7	966.2	947.2	18.99	50.868	
8,950.0	8,949.1	9,355.5	9,199.0	12.0	10.1	49.92	-532.6	-755.8	947.3	928.6	18.72	50.615	
9,000.0	8,997.5	9,375.0	9,206.2	12.0	10.1	52.86	-516.7	-764.4	927.6	909.4	18.21	50.932	
9,050.0	9,044.6	9,382.4	9,208.8	12.0	10.1	55.11	-510.6	-767.6	907.7	890.0	17.69	51.302	
9,100.0	9,090.0	9,382.3	9,208.8	12.0	10.1	56.91	-510.6	-767.6	887.8	870.6	17.20	51.607	
9,150.0	9,133.5	9,377.4	9,207.1	12.1	10.1	58.37	-514.7	-765.4	868.1	851.3	16.77	51.749	
9,200.0	9,174.6	9,369.1	9,204.1	12.1	10.1	59.59	-521.5	-761.8	848.6	832.2	16.43	51.644	
9,250.0	9,213.1	9,358.4	9,200.1	12.2	10.1	60.60	-530.2	-757.1	829.6	813.4	16.20	51.216	
9,300.0	9,248.7	9,346.0	9,195.2	12.2	10.1	61.45	-540.4	-751.7	811.0	794.9	16.09	50.411	
9,350.0	9,281.1	9,332.0	9,189.4	12.3	10.1	62.14	-551.5	-745.6	792.9	776.8	16.11	49.207	
9,400.0	9,310.1	9,317.0	9,182.9	12.3	10.0	62.70	-563.4	-739.2	775.4	759.1	16.27	47.650	
9,450.0	9,335.4	9,300.0	9,175.0	12.4	10.0	63.07	-576.6	-731.9	758.5	741.9	16.56	45.795	
9,500.0	9,356.8	9,284.2	9,167.3	12.5	10.0	63.46	-588.7	-725.3	742.2	725.2	16.96	43.757	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #706H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8698-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
9,550.0	9,374.2	9,266.6	9,158.3	12.5	10.0	63.67	-601.9	-717.9	726.6	709.1	17.46	41.616	
9,600.0	9,387.5	9,250.0	9,149.4	12.5	9.9	63.88	-614.1	-711.1	711.7	693.7	18.01	39.508	
9,650.0	9,396.5	9,229.7	9,137.9	12.6	9.9	63.79	-628.7	-702.8	697.5	678.8	18.65	37.400	
9,700.0	9,401.2	9,210.3	9,126.5	12.6	9.9	63.71	-642.3	-695.1	683.9	664.6	19.29	35.456	
9,730.5	9,402.0	9,200.0	9,120.2	12.6	9.9	63.74	-649.4	-691.0	676.0	656.4	19.66	34.384	
9,800.0	9,401.8	9,171.5	9,101.9	12.6	9.8	61.91	-668.3	-680.0	661.6	641.0	20.62	32.084	
9,900.0	9,401.5	9,136.1	9,077.8	12.7	9.8	59.48	-690.6	-666.8	653.1	631.0	22.06	29.599	
9,906.1	9,401.5	9,134.0	9,076.4	12.7	9.8	59.33	-691.9	-666.0	653.0	630.9	22.15	29.478	CC, ES
10,000.0	9,401.2	9,100.0	9,051.7	12.7	9.7	56.79	-711.9	-653.9	659.9	636.3	23.52	28.052	
10,100.0	9,401.0	9,075.4	9,033.0	12.8	9.7	54.74	-725.5	-645.4	681.7	657.0	24.65	27.654	SF
10,206.0	9,400.7	9,050.0	9,013.0	12.9	9.7	52.39	-738.7	-637.0	720.1	694.5	25.57	28.160	
10,300.0	9,400.4	9,026.3	8,993.7	13.0	9.6	50.67	-750.3	-629.5	764.5	738.3	26.19	29.191	
10,400.0	9,400.2	9,000.0	8,971.8	13.3	9.6	48.78	-762.3	-621.6	819.8	793.2	26.70	30.708	
10,500.0	9,399.9	9,000.0	8,971.8	13.9	9.6	48.78	-762.3	-621.6	882.2	855.5	26.72	33.014	
10,600.0	9,399.6	8,971.2	8,946.9	14.5	9.6	46.74	-774.3	-613.3	949.9	922.8	27.02	35.150	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 7426-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
7,100.0	7,100.0	9,842.0	8,064.6	10.2	19.0	91.67	-1.5	52.3	964.3	931.4	32.94	29.277	
7,200.0	7,200.0	9,841.8	8,064.6	10.3	19.0	91.45	-1.3	52.3	864.5	831.3	33.17	26.062	
7,300.0	7,300.0	9,841.6	8,064.6	10.4	19.0	91.23	-1.1	52.3	764.7	731.3	33.41	22.891	
7,400.0	7,400.0	9,841.4	8,064.6	10.6	19.0	91.02	-0.9	52.3	665.0	631.3	33.64	19.766	
7,500.0	7,500.0	9,841.2	8,064.6	10.7	19.0	90.81	-0.7	52.3	565.3	531.5	33.88	16.686	
7,600.0	7,600.0	9,841.0	8,064.6	10.8	19.0	90.60	-0.6	52.3	465.9	431.7	34.11	13.656	
7,700.0	7,700.0	9,840.9	8,064.6	10.9	19.0	90.40	-0.4	52.3	366.7	332.3	34.33	10.679	
7,800.0	7,800.0	9,840.7	8,064.6	11.0	19.0	90.21	-0.2	52.3	268.1	233.6	34.50	7.769	
7,900.0	7,900.0	9,840.5	8,064.6	11.2	19.0	90.02	0.0	52.3	171.1	136.7	34.44	4.968	
8,000.0	8,000.0	9,840.3	8,064.6	11.3	19.0	89.83	0.2	52.3	81.8	49.5	32.34	2.529	
8,062.9	8,062.9	9,840.2	8,064.6	11.4	19.0	89.71	0.3	52.3	52.3	26.4	25.85	2.023 CC, ES, SF	
8,100.0	8,100.0	9,840.2	8,064.6	11.4	19.0	89.65	0.3	52.3	64.1	35.1	29.00	2.211	
8,200.0	8,200.0	9,840.0	8,064.6	11.5	19.0	89.47	0.5	52.3	146.7	112.5	34.20	4.290	
8,300.0	8,300.0	9,839.8	8,064.6	11.7	19.0	89.29	0.6	52.3	242.8	207.5	35.24	6.889	
8,400.0	8,400.0	9,839.7	8,064.6	11.8	19.0	89.12	0.8	52.3	341.1	305.4	35.76	9.540	
8,500.0	8,500.0	9,839.5	8,064.6	11.9	19.0	88.95	1.0	52.3	440.2	404.1	36.13	12.182	
8,600.0	8,600.0	9,839.4	8,064.6	12.0	19.0	88.78	1.1	52.3	539.6	503.2	36.47	14.798	
8,700.0	8,700.0	9,842.3	8,064.6	12.1	19.0	91.93	-1.8	52.3	639.2	602.4	36.80	17.368	
8,800.0	8,800.0	9,842.7	8,064.6	12.3	19.0	92.39	-2.2	52.3	738.9	701.8	37.11	19.912	
8,829.0	8,829.0	9,842.8	8,064.6	12.3	19.0	92.53	-2.3	52.3	767.8	730.7	37.20	20.643	
8,850.0	8,850.0	9,843.4	8,064.6	12.3	19.0	-65.70	-2.9	52.3	788.8	751.4	37.43	21.075	
8,900.0	8,899.8	9,849.2	8,064.7	12.3	19.0	-27.97	-8.7	52.3	838.5	800.9	37.61	22.297	
8,950.0	8,949.1	9,850.4	8,064.6	12.3	19.1	-16.90	-9.9	52.3	887.9	850.1	37.74	23.526	
9,000.0	8,997.5	9,861.6	8,064.6	12.4	19.1	-11.80	-21.1	52.4	936.3	898.4	37.93	24.683	
9,050.0	9,044.6	9,876.5	8,064.5	12.4	19.2	-9.13	-36.0	52.5	983.5	945.4	38.14	25.787	

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design													Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 7318-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		
7,200.0	7,200.0	9,730.4	7,962.9	10.3	18.7	-88.85	12.4	-617.1	979.7	950.3	29.47	33.248		
7,300.0	7,300.0	9,729.6	7,962.9	10.4	18.7	-88.77	13.2	-617.0	904.3	875.2	29.09	31.081		
7,400.0	7,400.0	9,728.7	7,962.9	10.6	18.7	-88.69	14.1	-617.0	834.0	805.4	28.60	29.161		
7,500.0	7,500.0	9,727.9	7,962.9	10.7	18.7	-88.61	14.9	-617.0	770.3	742.3	27.98	27.533		
7,600.0	7,600.0	9,727.0	7,962.9	10.8	18.7	-88.53	15.8	-617.0	715.0	687.7	27.25	26.239		
7,700.0	7,700.0	9,726.1	7,962.9	10.9	18.7	-88.45	16.7	-616.9	670.1	643.6	26.48	25.302		
7,800.0	7,800.0	9,725.1	7,963.0	11.0	18.7	-88.36	17.6	-616.9	637.8	612.0	25.84	24.686		
7,900.0	7,900.0	9,724.2	7,963.0	11.2	18.7	-88.27	18.6	-616.9	620.2	594.6	25.54	24.280		
7,961.0	7,961.0	9,723.6	7,963.0	11.2	18.7	-88.22	19.2	-616.9	617.2	591.5	25.63	24.077 CC, ES		
8,000.0	8,000.0	9,723.2	7,963.0	11.3	18.7	-88.18	19.6	-616.8	618.4	592.6	25.81	23.956		
8,100.0	8,100.0	9,722.2	7,963.0	11.4	18.7	-88.08	20.6	-616.8	632.6	605.9	26.68	23.714		
8,200.0	8,200.0	9,721.1	7,963.0	11.5	18.7	-87.99	21.7	-616.8	661.8	633.9	27.93	23.692 SF		
8,300.0	8,300.0	9,720.0	7,963.0	11.7	18.7	-87.89	22.8	-616.7	704.1	674.8	29.32	24.016		
8,400.0	8,400.0	9,718.9	7,963.0	11.8	18.7	-87.78	23.9	-616.7	757.4	726.7	30.65	24.710		
8,500.0	8,500.0	9,717.7	7,963.0	11.9	18.7	-87.67	25.0	-616.7	819.4	787.6	31.84	25.734		
8,600.0	8,600.0	9,716.5	7,963.0	12.0	18.7	-87.56	26.2	-616.6	888.4	855.5	32.87	27.023		
8,700.0	8,700.0	9,715.3	7,963.0	12.1	18.6	-87.45	27.5	-616.6	962.8	929.0	33.76	28.515		

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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB=30' @ 3019.0usft (TBD)

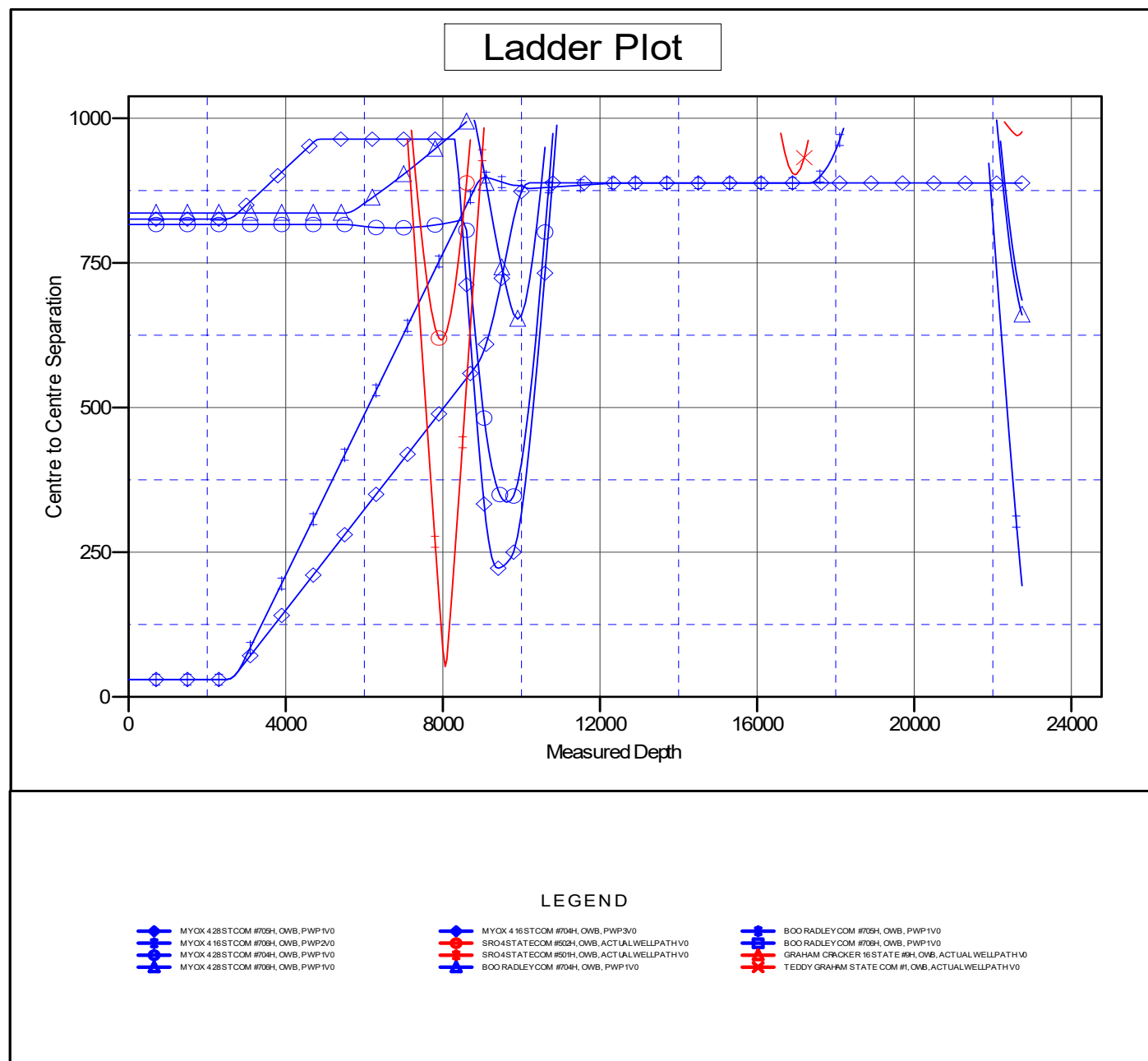
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #705H

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

Grid Convergence at Surface is: 0.13°



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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Reference Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Site Error:	3.0 usft	North Reference:	Grid
Reference Well:	MYOX 4 16 ST COM #705H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Reference Depths are relative to *KB=30' @ 3019.0usft (TBD)

Offset Depths are relative to Offset Datum

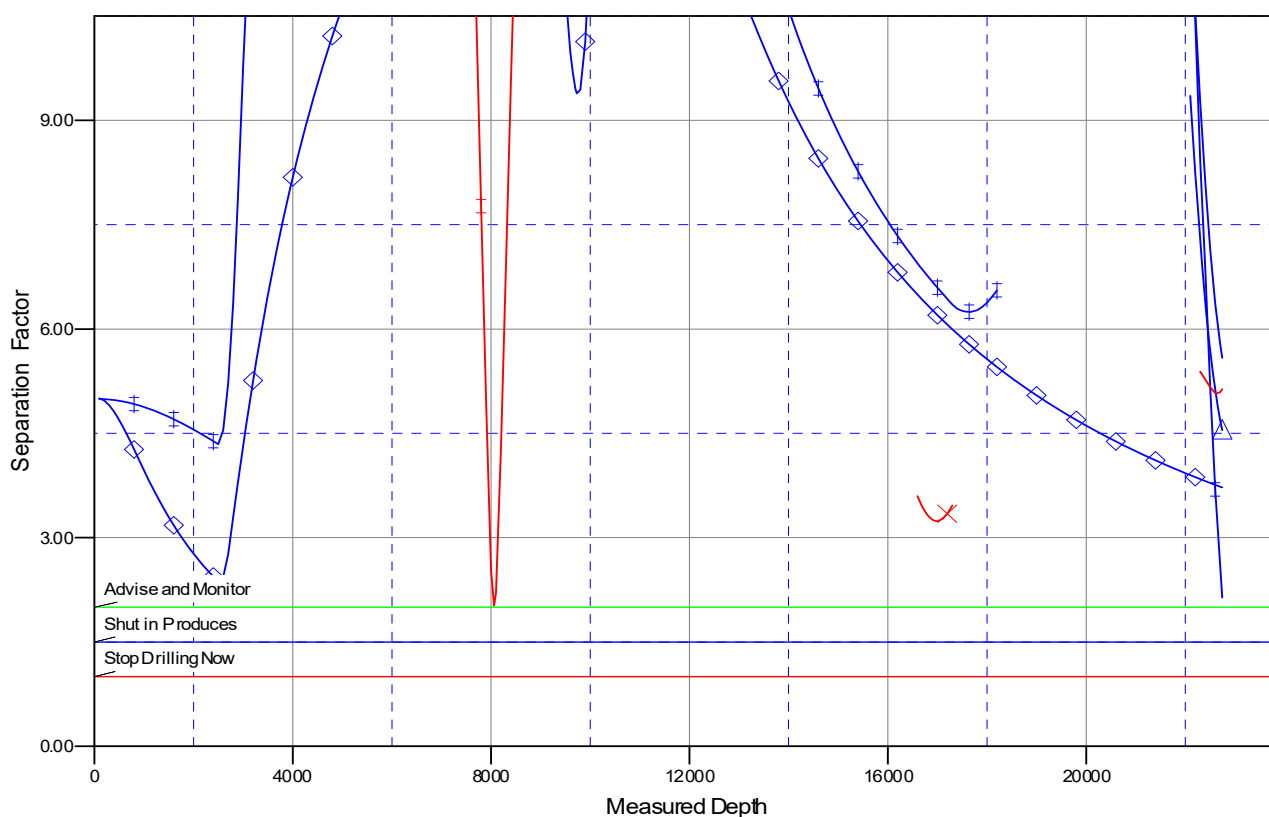
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #705H

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 4 28 ST COM #705H, OWB, PWP 1V0
 MYOX 4 16 ST COM #705H, OWB, PWP 2V0
 MYOX 4 28 ST COM #704H, OWB, PWP 1V0
 MYOX 4 28 ST COM #705H, OWB, PWP 1V0

MYOX 4 16 ST COM #704H, OWB, PWP 3V0
 SRO 4 STATE COM #602H, OWB, ACTUAL WELL PATH V0
 SRO 4 STATE COM #601H, OWB, ACTUAL WELL PATH V0
 BOO RADLEY COM #704H, OWB, PWP 1V0

BOO RADLEY COM #705H, OWB, PWP 1V0
 BOO RADLEY COM #705H, OWB, PWP 1V0
 GRAHAM CRACKER 16 STATE #6H, OWB, ACTUAL WELL PATH V0
 TEDDY GRAHAM STATE COM #1, OWB, ACTUAL WELL PATH V0

DELAWARE BASIN WEST

**ATLAS PROSPECT (NM-E)
MYOX 4 28 & 16 ST COM PROJECT
MYOX 4 16 ST COM #705H**

OWB

Plan: PWP3

Standard Survey Report

05 January, 2021

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	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 4 16 ST COM #705H				
Well Position	+N/-S	0.0 usft	Northing:	390,358.17 usft	Latitude: 32° 4' 22.751 N
	+E/-W	0.0 usft	Easting:	573,762.61 usft	Longitude: 104° 5' 42.709 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level: 2,989.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/11/2020	6.84	59.70	47,414.39258510

Design	PWP3				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	180.78	

Survey Tool Program	Date	1/5/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	8,829.0	PWP3 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
8,829.0	22,745.2	PWP3 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
5,600.0	0.00	0.00	5,600.0	0.0	0.0	0.0	0.00	0.00	0.00
5,700.0	0.00	0.00	5,700.0	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 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	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)
5,800.0	0.00	0.00	5,800.0	0.0	0.0	0.0	0.00	0.00	0.00
5,900.0	0.00	0.00	5,900.0	0.0	0.0	0.0	0.00	0.00	0.00
6,000.0	0.00	0.00	6,000.0	0.0	0.0	0.0	0.00	0.00	0.00
6,100.0	0.00	0.00	6,100.0	0.0	0.0	0.0	0.00	0.00	0.00
6,200.0	0.00	0.00	6,200.0	0.0	0.0	0.0	0.00	0.00	0.00
6,300.0	0.00	0.00	6,300.0	0.0	0.0	0.0	0.00	0.00	0.00
6,400.0	0.00	0.00	6,400.0	0.0	0.0	0.0	0.00	0.00	0.00
6,500.0	0.00	0.00	6,500.0	0.0	0.0	0.0	0.00	0.00	0.00
6,600.0	0.00	0.00	6,600.0	0.0	0.0	0.0	0.00	0.00	0.00
6,700.0	0.00	0.00	6,700.0	0.0	0.0	0.0	0.00	0.00	0.00
6,800.0	0.00	0.00	6,800.0	0.0	0.0	0.0	0.00	0.00	0.00
6,900.0	0.00	0.00	6,900.0	0.0	0.0	0.0	0.00	0.00	0.00
7,000.0	0.00	0.00	7,000.0	0.0	0.0	0.0	0.00	0.00	0.00
7,100.0	0.00	0.00	7,100.0	0.0	0.0	0.0	0.00	0.00	0.00
7,200.0	0.00	0.00	7,200.0	0.0	0.0	0.0	0.00	0.00	0.00
7,300.0	0.00	0.00	7,300.0	0.0	0.0	0.0	0.00	0.00	0.00
7,400.0	0.00	0.00	7,400.0	0.0	0.0	0.0	0.00	0.00	0.00
7,500.0	0.00	0.00	7,500.0	0.0	0.0	0.0	0.00	0.00	0.00
7,600.0	0.00	0.00	7,600.0	0.0	0.0	0.0	0.00	0.00	0.00
7,700.0	0.00	0.00	7,700.0	0.0	0.0	0.0	0.00	0.00	0.00
7,800.0	0.00	0.00	7,800.0	0.0	0.0	0.0	0.00	0.00	0.00
7,900.0	0.00	0.00	7,900.0	0.0	0.0	0.0	0.00	0.00	0.00
8,000.0	0.00	0.00	8,000.0	0.0	0.0	0.0	0.00	0.00	0.00
8,100.0	0.00	0.00	8,100.0	0.0	0.0	0.0	0.00	0.00	0.00
8,200.0	0.00	0.00	8,200.0	0.0	0.0	0.0	0.00	0.00	0.00
8,300.0	0.00	0.00	8,300.0	0.0	0.0	0.0	0.00	0.00	0.00
8,400.0	0.00	0.00	8,400.0	0.0	0.0	0.0	0.00	0.00	0.00
8,500.0	0.00	0.00	8,500.0	0.0	0.0	0.0	0.00	0.00	0.00
8,600.0	0.00	0.00	8,600.0	0.0	0.0	0.0	0.00	0.00	0.00
8,700.0	0.00	0.00	8,700.0	0.0	0.0	0.0	0.00	0.00	0.00
8,800.0	0.00	0.00	8,800.0	0.0	0.0	0.0	0.00	0.00	0.00
8,829.0	0.00	0.00	8,829.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 10.00									
8,900.0	7.10	188.58	8,899.8	-4.3	-0.7	4.4	10.00	10.00	0.00
9,000.0	17.10	188.58	8,997.5	-25.0	-3.8	25.1	10.00	10.00	0.00
9,100.0	27.10	188.58	9,090.0	-62.2	-9.4	62.3	10.00	10.00	0.00
9,200.0	37.10	188.58	9,174.6	-114.7	-17.3	114.9	10.00	10.00	0.00
9,300.0	47.10	188.58	9,248.7	-180.9	-27.3	181.2	10.00	10.00	0.00
9,400.0	57.10	188.58	9,310.1	-258.8	-39.0	259.3	10.00	10.00	0.00
9,500.0	67.10	188.58	9,356.8	-346.1	-52.2	346.8	10.00	10.00	0.00
9,600.0	77.10	188.58	9,387.5	-440.1	-66.4	440.9	10.00	10.00	0.00
9,700.0	87.10	188.58	9,401.2	-537.9	-81.2	538.9	10.00	10.00	0.00
9,730.5	90.15	188.58	9,402.0	-568.0	-85.7	569.1	10.00	10.00	0.00
Start DLS 2.00 TFO -89.96									

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	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)
9,800.0	90.15	187.19	9,401.8	-636.9	-95.2	638.1	2.00	0.00	-2.00
9,900.0	90.15	185.19	9,401.5	-736.3	-106.0	737.6	2.00	0.00	-2.00
10,000.0	90.15	183.19	9,401.2	-836.0	-113.3	837.5	2.00	0.00	-2.00
10,100.0	90.15	181.19	9,401.0	-935.9	-117.1	937.4	2.00	0.00	-2.00
10,200.0	90.16	179.19	9,400.7	-1,035.9	-117.5	1,037.4	2.00	0.00	-2.00
10,206.0	90.16	179.07	9,400.7	-1,041.9	-117.4	1,043.4	2.00	0.00	-2.00
10,300.0	90.16	179.07	9,400.4	-1,135.9	-115.9	1,137.4	0.00	0.00	0.00
10,400.0	90.16	179.07	9,400.2	-1,235.9	-114.2	1,237.3	0.00	0.00	0.00
10,425.8	90.16	179.07	9,400.1	-1,261.7	-113.8	1,263.1	0.00	0.00	0.00
Start 1929.4 hold at 10425.8 MD									
10,500.0	90.16	179.07	9,399.9	-1,335.9	-112.6	1,337.3	0.00	0.00	0.00
10,600.0	90.16	179.07	9,399.6	-1,435.9	-111.0	1,437.2	0.00	0.00	0.00
10,700.0	90.16	179.07	9,399.3	-1,535.9	-109.4	1,537.2	0.00	0.00	0.00
10,800.0	90.16	179.07	9,399.1	-1,635.8	-107.7	1,637.2	0.00	0.00	0.00
10,900.0	90.16	179.07	9,398.8	-1,735.8	-106.1	1,737.1	0.00	0.00	0.00
11,000.0	90.16	179.07	9,398.5	-1,835.8	-104.5	1,837.1	0.00	0.00	0.00
11,100.0	90.16	179.07	9,398.3	-1,935.8	-102.9	1,937.0	0.00	0.00	0.00
11,200.0	90.16	179.07	9,398.0	-2,035.8	-101.2	2,037.0	0.00	0.00	0.00
11,300.0	90.16	179.07	9,397.7	-2,135.8	-99.6	2,136.9	0.00	0.00	0.00
11,400.0	90.16	179.07	9,397.5	-2,235.8	-98.0	2,236.9	0.00	0.00	0.00
11,500.0	90.16	179.07	9,397.2	-2,335.7	-96.4	2,336.8	0.00	0.00	0.00
11,600.0	90.16	179.07	9,396.9	-2,435.7	-94.8	2,436.8	0.00	0.00	0.00
11,700.0	90.16	179.07	9,396.6	-2,535.7	-93.1	2,536.7	0.00	0.00	0.00
11,800.0	90.16	179.07	9,396.4	-2,635.7	-91.5	2,636.7	0.00	0.00	0.00
11,900.0	90.16	179.07	9,396.1	-2,735.7	-89.9	2,736.7	0.00	0.00	0.00
12,000.0	90.16	179.07	9,395.8	-2,835.7	-88.3	2,836.6	0.00	0.00	0.00
12,100.0	90.16	179.07	9,395.6	-2,935.7	-86.6	2,936.6	0.00	0.00	0.00
12,200.0	90.16	179.07	9,395.3	-3,035.7	-85.0	3,036.5	0.00	0.00	0.00
12,300.0	90.16	179.07	9,395.0	-3,135.6	-83.4	3,136.5	0.00	0.00	0.00
12,343.2	90.16	179.07	9,394.9	-3,178.8	-82.7	3,179.6	0.00	0.00	0.00
12,355.1	90.15	179.31	9,394.9	-3,190.8	-82.5	3,191.6	2.00	0.00	2.00
Start DLS 2.00 TFO 90.05									
12,391.1	90.15	180.03	9,394.8	-3,226.7	-82.3	3,227.5	2.00	0.00	2.00
12,400.0	90.15	180.03	9,394.7	-3,235.6	-82.3	3,236.4	0.00	0.00	0.00
12,402.8	90.15	180.03	9,394.7	-3,238.5	-82.3	3,239.3	0.00	0.00	0.00
Start 5249.0 hold at 12402.8 MD									
12,500.0	90.15	180.03	9,394.5	-3,335.6	-82.4	3,336.4	0.00	0.00	0.00
12,600.0	90.15	180.03	9,394.2	-3,435.6	-82.4	3,436.4	0.00	0.00	0.00
12,700.0	90.15	180.03	9,393.9	-3,535.6	-82.5	3,536.4	0.00	0.00	0.00
12,800.0	90.15	180.03	9,393.7	-3,635.6	-82.5	3,636.4	0.00	0.00	0.00
12,900.0	90.15	180.03	9,393.4	-3,735.6	-82.6	3,736.4	0.00	0.00	0.00
13,000.0	90.15	180.03	9,393.1	-3,835.6	-82.6	3,836.4	0.00	0.00	0.00
13,100.0	90.15	180.03	9,392.9	-3,935.6	-82.6	3,936.4	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,200.0	90.15	180.03	9,392.6	-4,035.6	-82.7	4,036.4	0.00	0.00	0.00
13,300.0	90.15	180.03	9,392.3	-4,135.6	-82.7	4,136.4	0.00	0.00	0.00
13,400.0	90.15	180.03	9,392.1	-4,235.6	-82.8	4,236.4	0.00	0.00	0.00
13,500.0	90.15	180.03	9,391.8	-4,335.6	-82.8	4,336.4	0.00	0.00	0.00
13,600.0	90.15	180.03	9,391.5	-4,435.6	-82.9	4,436.3	0.00	0.00	0.00
13,700.0	90.15	180.03	9,391.3	-4,535.6	-82.9	4,536.3	0.00	0.00	0.00
13,800.0	90.15	180.03	9,391.0	-4,635.6	-83.0	4,636.3	0.00	0.00	0.00
13,900.0	90.15	180.03	9,390.7	-4,735.6	-83.0	4,736.3	0.00	0.00	0.00
14,000.0	90.15	180.03	9,390.5	-4,835.6	-83.1	4,836.3	0.00	0.00	0.00
14,100.0	90.15	180.03	9,390.2	-4,935.6	-83.1	4,936.3	0.00	0.00	0.00
14,200.0	90.15	180.03	9,389.9	-5,035.6	-83.2	5,036.3	0.00	0.00	0.00
14,300.0	90.15	180.03	9,389.7	-5,135.6	-83.2	5,136.3	0.00	0.00	0.00
14,400.0	90.15	180.03	9,389.4	-5,235.6	-83.3	5,236.3	0.00	0.00	0.00
14,500.0	90.15	180.03	9,389.1	-5,335.6	-83.3	5,336.3	0.00	0.00	0.00
14,600.0	90.15	180.03	9,388.8	-5,435.6	-83.4	5,436.3	0.00	0.00	0.00
14,700.0	90.15	180.03	9,388.6	-5,535.6	-83.4	5,536.2	0.00	0.00	0.00
14,800.0	90.15	180.03	9,388.3	-5,635.6	-83.5	5,636.2	0.00	0.00	0.00
14,900.0	90.15	180.03	9,388.0	-5,735.6	-83.5	5,736.2	0.00	0.00	0.00
15,000.0	90.15	180.03	9,387.8	-5,835.6	-83.6	5,836.2	0.00	0.00	0.00
15,100.0	90.15	180.03	9,387.5	-5,935.6	-83.6	5,936.2	0.00	0.00	0.00
15,200.0	90.15	180.03	9,387.2	-6,035.6	-83.7	6,036.2	0.00	0.00	0.00
15,300.0	90.15	180.03	9,387.0	-6,135.6	-83.7	6,136.2	0.00	0.00	0.00
15,400.0	90.15	180.03	9,386.7	-6,235.6	-83.8	6,236.2	0.00	0.00	0.00
15,500.0	90.15	180.03	9,386.4	-6,335.6	-83.8	6,336.2	0.00	0.00	0.00
15,600.0	90.15	180.03	9,386.2	-6,435.6	-83.9	6,436.2	0.00	0.00	0.00
15,700.0	90.15	180.03	9,385.9	-6,535.6	-83.9	6,536.2	0.00	0.00	0.00
15,800.0	90.15	180.03	9,385.6	-6,635.6	-84.0	6,636.1	0.00	0.00	0.00
15,900.0	90.15	180.03	9,385.4	-6,735.6	-84.0	6,736.1	0.00	0.00	0.00
16,000.0	90.15	180.03	9,385.1	-6,835.6	-84.1	6,836.1	0.00	0.00	0.00
16,100.0	90.15	180.03	9,384.8	-6,935.6	-84.1	6,936.1	0.00	0.00	0.00
16,200.0	90.15	180.03	9,384.6	-7,035.6	-84.2	7,036.1	0.00	0.00	0.00
16,300.0	90.15	180.03	9,384.3	-7,135.6	-84.2	7,136.1	0.00	0.00	0.00
16,400.0	90.15	180.03	9,384.0	-7,235.6	-84.2	7,236.1	0.00	0.00	0.00
16,500.0	90.15	180.03	9,383.8	-7,335.6	-84.3	7,336.1	0.00	0.00	0.00
16,600.0	90.15	180.03	9,383.5	-7,435.6	-84.3	7,436.1	0.00	0.00	0.00
16,700.0	90.15	180.03	9,383.2	-7,535.6	-84.4	7,536.1	0.00	0.00	0.00
16,800.0	90.15	180.03	9,383.0	-7,635.6	-84.4	7,636.1	0.00	0.00	0.00
16,900.0	90.15	180.03	9,382.7	-7,735.6	-84.5	7,736.0	0.00	0.00	0.00
17,000.0	90.15	180.03	9,382.4	-7,835.6	-84.5	7,836.0	0.00	0.00	0.00
17,100.0	90.15	180.03	9,382.1	-7,935.6	-84.6	7,936.0	0.00	0.00	0.00
17,200.0	90.15	180.03	9,381.9	-8,035.6	-84.6	8,036.0	0.00	0.00	0.00
17,300.0	90.15	180.03	9,381.6	-8,135.6	-84.7	8,136.0	0.00	0.00	0.00
17,400.0	90.15	180.03	9,381.3	-8,235.6	-84.7	8,236.0	0.00	0.00	0.00
17,500.0	90.15	180.03	9,381.1	-8,335.6	-84.8	8,336.0	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	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)
17,600.0	90.15	180.03	9,380.8	-8,435.6	-84.8	8,436.0	0.00	0.00	0.00
17,640.0	90.15	180.03	9,380.7	-8,475.6	-84.8	8,476.0	0.00	0.00	0.00
17,651.9	90.15	180.73	9,380.7	-8,487.5	-84.9	8,487.8	5.94	0.00	5.94
Start DLS 2.00 TFO 89.99									
17,658.2	90.15	181.11	9,380.7	-8,493.9	-85.0	8,494.2	5.94	0.00	5.94
17,700.0	90.15	181.11	9,380.5	-8,535.6	-85.8	8,536.0	0.00	0.00	0.00
17,706.4	90.15	181.11	9,380.5	-8,542.0	-86.0	8,542.3	0.00	0.00	0.00
Start 5050.7 hold at 17706.4 MD									
17,800.0	90.15	181.11	9,380.3	-8,635.6	-87.8	8,636.0	0.00	0.00	0.00
17,900.0	90.15	181.11	9,380.0	-8,735.6	-89.7	8,736.0	0.00	0.00	0.00
18,000.0	90.15	181.11	9,379.7	-8,835.5	-91.7	8,836.0	0.00	0.00	0.00
18,100.0	90.15	181.11	9,379.5	-8,935.5	-93.6	8,936.0	0.00	0.00	0.00
18,200.0	90.15	181.11	9,379.2	-9,035.5	-95.6	9,036.0	0.00	0.00	0.00
18,300.0	90.15	181.11	9,378.9	-9,135.5	-97.5	9,136.0	0.00	0.00	0.00
18,400.0	90.15	181.11	9,378.7	-9,235.5	-99.5	9,236.0	0.00	0.00	0.00
18,500.0	90.15	181.11	9,378.4	-9,335.4	-101.4	9,336.0	0.00	0.00	0.00
18,600.0	90.15	181.11	9,378.1	-9,435.4	-103.3	9,436.0	0.00	0.00	0.00
18,700.0	90.15	181.11	9,377.9	-9,535.4	-105.3	9,536.0	0.00	0.00	0.00
18,800.0	90.15	181.11	9,377.6	-9,635.4	-107.2	9,636.0	0.00	0.00	0.00
18,900.0	90.15	181.11	9,377.3	-9,735.4	-109.2	9,736.0	0.00	0.00	0.00
19,000.0	90.15	181.11	9,377.1	-9,835.4	-111.1	9,836.0	0.00	0.00	0.00
19,100.0	90.15	181.11	9,376.8	-9,935.3	-113.1	9,936.0	0.00	0.00	0.00
19,200.0	90.15	181.11	9,376.5	-10,035.3	-115.0	10,036.0	0.00	0.00	0.00
19,300.0	90.15	181.11	9,376.2	-10,135.3	-116.9	10,135.9	0.00	0.00	0.00
19,400.0	90.15	181.11	9,376.0	-10,235.3	-118.9	10,235.9	0.00	0.00	0.00
19,500.0	90.15	181.11	9,375.7	-10,335.3	-120.8	10,335.9	0.00	0.00	0.00
19,600.0	90.15	181.11	9,375.4	-10,435.2	-122.8	10,435.9	0.00	0.00	0.00
19,700.0	90.15	181.11	9,375.2	-10,535.2	-124.7	10,535.9	0.00	0.00	0.00
19,800.0	90.15	181.11	9,374.9	-10,635.2	-126.7	10,635.9	0.00	0.00	0.00
19,900.0	90.15	181.11	9,374.6	-10,735.2	-128.6	10,735.9	0.00	0.00	0.00
20,000.0	90.15	181.11	9,374.4	-10,835.2	-130.6	10,835.9	0.00	0.00	0.00
20,100.0	90.15	181.11	9,374.1	-10,935.1	-132.5	10,935.9	0.00	0.00	0.00
20,200.0	90.15	181.11	9,373.8	-11,035.1	-134.4	11,035.9	0.00	0.00	0.00
20,300.0	90.15	181.11	9,373.6	-11,135.1	-136.4	11,135.9	0.00	0.00	0.00
20,400.0	90.15	181.11	9,373.3	-11,235.1	-138.3	11,235.9	0.00	0.00	0.00
20,500.0	90.15	181.11	9,373.0	-11,335.1	-140.3	11,335.9	0.00	0.00	0.00
20,600.0	90.15	181.11	9,372.8	-11,435.0	-142.2	11,435.9	0.00	0.00	0.00
20,700.0	90.15	181.11	9,372.5	-11,535.0	-144.2	11,535.9	0.00	0.00	0.00
20,800.0	90.15	181.11	9,372.2	-11,635.0	-146.1	11,635.9	0.00	0.00	0.00
20,900.0	90.15	181.11	9,372.0	-11,735.0	-148.1	11,735.9	0.00	0.00	0.00
21,000.0	90.15	181.11	9,371.7	-11,835.0	-150.0	11,835.9	0.00	0.00	0.00
21,100.0	90.15	181.11	9,371.4	-11,934.9	-151.9	11,935.9	0.00	0.00	0.00
21,200.0	90.15	181.11	9,371.1	-12,034.9	-153.9	12,035.9	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
21,300.0	90.15	181.11	9,370.9	-12,134.9	-155.8	12,135.9	0.00	0.00	0.00
21,400.0	90.15	181.11	9,370.6	-12,234.9	-157.8	12,235.9	0.00	0.00	0.00
21,500.0	90.15	181.11	9,370.3	-12,334.9	-159.7	12,335.9	0.00	0.00	0.00
21,600.0	90.15	181.11	9,370.1	-12,434.9	-161.7	12,435.9	0.00	0.00	0.00
21,700.0	90.15	181.11	9,369.8	-12,534.8	-163.6	12,535.9	0.00	0.00	0.00
21,800.0	90.15	181.11	9,369.5	-12,634.8	-165.6	12,635.9	0.00	0.00	0.00
21,900.0	90.15	181.11	9,369.3	-12,734.8	-167.5	12,735.9	0.00	0.00	0.00
22,000.0	90.15	181.11	9,369.0	-12,834.8	-169.4	12,835.9	0.00	0.00	0.00
22,100.0	90.15	181.11	9,368.7	-12,934.8	-171.4	12,935.9	0.00	0.00	0.00
22,200.0	90.15	181.11	9,368.5	-13,034.7	-173.3	13,035.9	0.00	0.00	0.00
22,300.0	90.15	181.11	9,368.2	-13,134.7	-175.3	13,135.9	0.00	0.00	0.00
22,400.0	90.15	181.11	9,367.9	-13,234.7	-177.2	13,235.9	0.00	0.00	0.00
22,500.0	90.15	181.11	9,367.7	-13,334.7	-179.2	13,335.9	0.00	0.00	0.00
22,600.0	90.15	181.11	9,367.4	-13,434.7	-181.1	13,435.9	0.00	0.00	0.00
22,700.0	90.15	181.11	9,367.1	-13,534.6	-183.1	13,535.9	0.00	0.00	0.00
22,745.2	90.15	181.11	9,367.0	-13,579.8	-183.9	13,581.1	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (MYOX 4 16 ST C) - plan hits target center - Rectangle (sides W100.0 H5,118.0 D20.0)	0.15	1.12	9,367.0	-13,579.8	-183.9	376,778.32	573,578.68	32° 2' 8.361 N	104° 5' 45.193 W
LTP (MYOX 4 16 ST C) - plan misses target center by 3.7usft at 22615.3usft MD (9367.3 TVD, -13449.9 N, -181.4 E) - Point	0.00	0.00	9,367.0	-13,449.8	-185.1	376,908.33	573,577.55	32° 2' 9.648 N	104° 5' 45.203 W
T2 (MYOX 4 16 ST C) - plan hits target center - Rectangle (sides W100.0 H5,295.0 D20.0)	0.15	0.03	9,380.7	-8,475.6	-84.8	381,882.59	573,677.76	32° 2' 58.874 N	104° 5' 43.912 W
T1 (MYOX 4 16 ST C) - plan hits target center - Rectangle (sides W100.0 H2,632.0 D20.0)	0.15	359.07	9,394.9	-3,178.8	-82.7	387,179.36	573,679.93	32° 3' 51.294 N	104° 5' 43.751 W
FTP (MYOX 4 16 ST C) - plan misses target center by 41.9usft at 9717.3usft MD (9401.8 TVD, -555.0 N, -83.7 E) - Circle (radius 50.0)	0.00	0.00	9,402.0	-548.8	-125.2	389,809.40	573,637.43	32° 4' 17.323 N	104° 5' 44.177 W

Concho Resources LLC

Survey Report

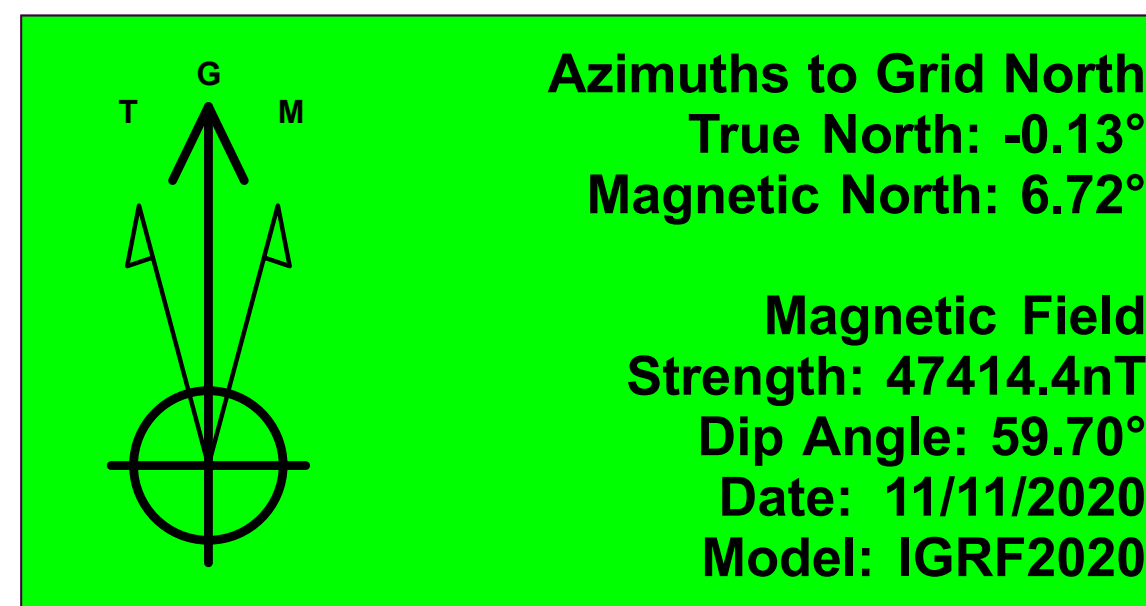
Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #705H
Project:	ATLAS PROSPECT (NM-E)	TVD Reference:	*KB=30' @ 3019.0usft (TBD)
Site:	MYOX 4 28 & 16 ST COM PROJECT	MD Reference:	*KB=30' @ 3019.0usft (TBD)
Well:	MYOX 4 16 ST COM #705H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP3	Database:	edm

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
8829	8829	0	0	Start Build 10.00
9731	9402	-568	-86	Start DLS 2.00 TFO -89.96
10,426	9400	-1262	-114	Start 1929.4 hold at 10425.8 MD
12,355	9395	-3191	-83	Start DLS 2.00 TFO 90.05
12,403	9395	-3238	-82	Start 5249.0 hold at 12402.8 MD
17,652	9381	-8487	-85	Start DLS 2.00 TFO 89.99
17,706	9381	-8542	-86	Start 5050.7 hold at 17706.4 MD
22,757				TD at 22757.1

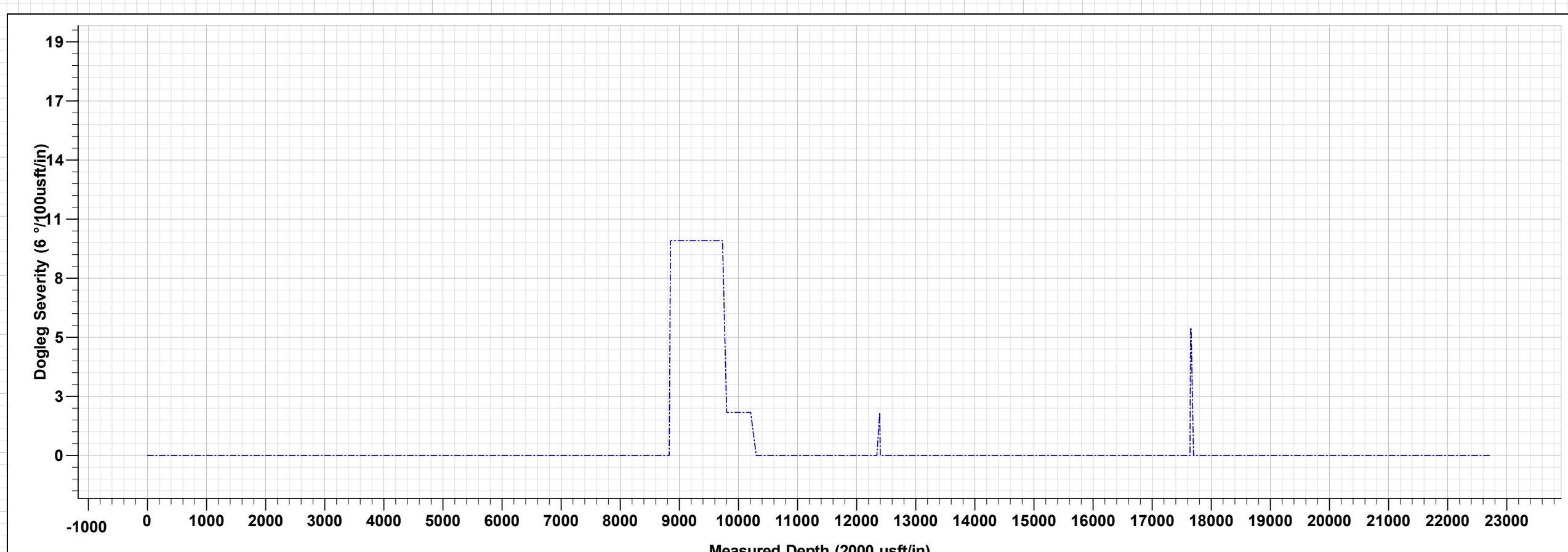
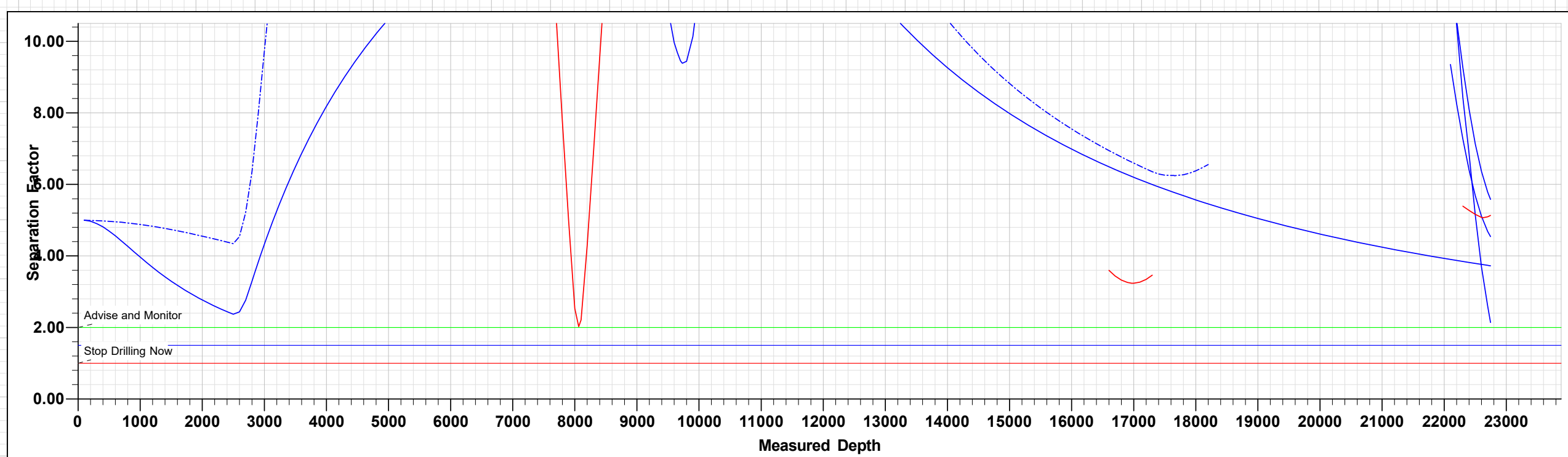
Checked By: _____ Approved By: _____ Date: _____

Project: ATLAS PROSPECT (NM-E)
Site: MYOX 4 28 & 16 ST COM PROJECT
Well: MYOX 4 16 ST COM #705H
Wellbore: OWB
Design: PWP3
GL: 2989.0
*KB=30' @ 3019.0usft (TBD)

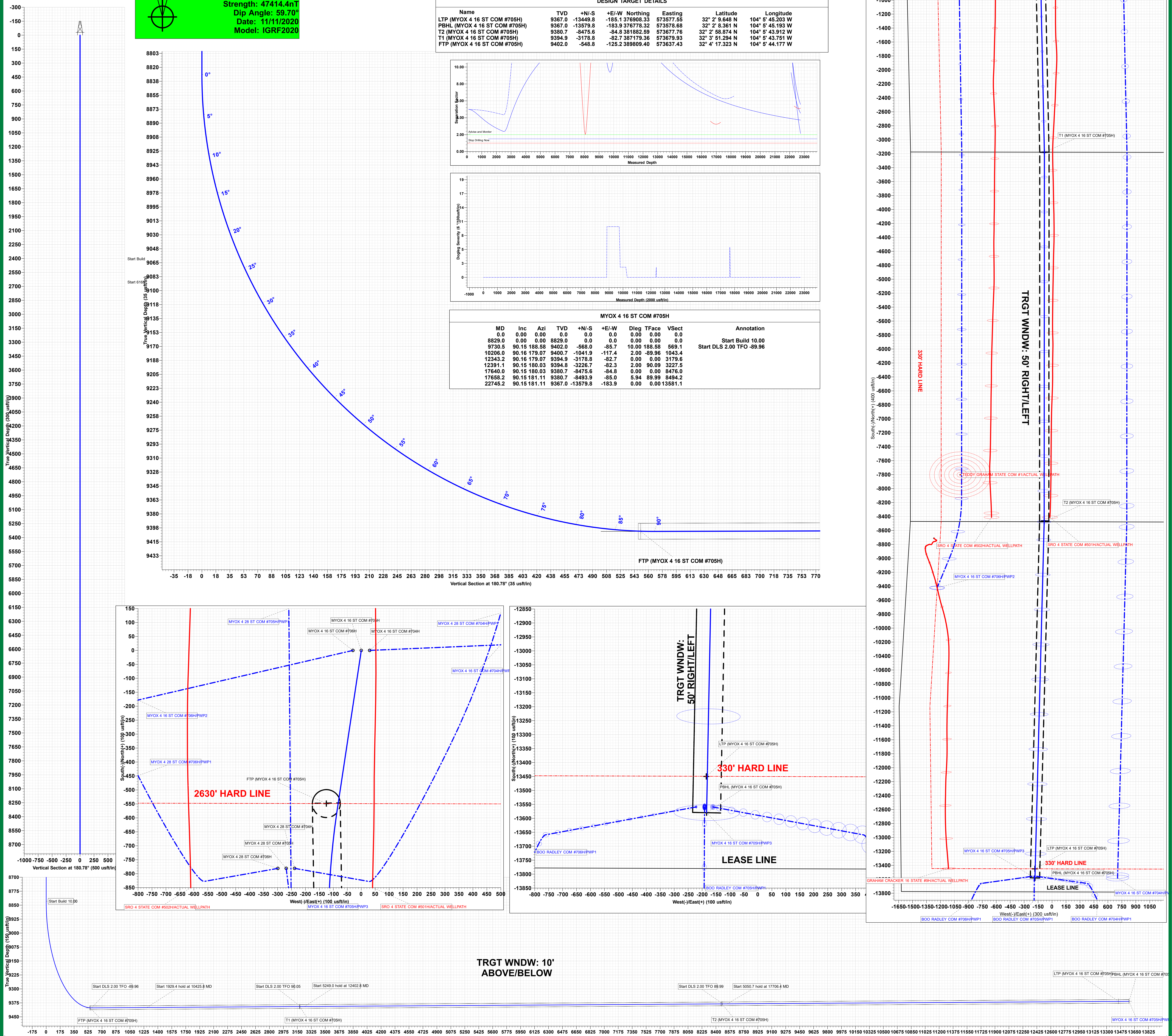


WELL DETAILS: MYOX 4 16 ST COM #705H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	390358.17	573762.61	32° 4' 22.751 N	104° 5' 42.709 W

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP (MYOX 4 16 ST COM #705H)	9367.0	-13449.8	-185.1	376908.33	573577.55	32° 2' 9.648 N
PBHL (MYOX 4 16 ST COM #705H)	9367.0	-13579.8	-183.9	376778.32	573578.68	32° 2' 8.361 N
T2 (MYOX 4 16 ST COM #705H)	9380.7	-8475.6	-84.8	381882.59	573677.76	32° 2' 58.874 N
T1 (MYOX 4 16 ST COM #705H)	9394.9	-3178.8	-82.7	387179.36	573679.93	32° 3' 51.294 N
FTP (MYOX 4 16 ST COM #705H)	9402.0	-548.8	-125.2	389809.40	573637.43	32° 4' 17.323 N



MYOX 4 16 ST COM #705H									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSecl	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
8829.0	0.00	0.00	8829.0	0.0	0.0	0.00	0.00	0.0	Start Build 10.00
9730.5	90.15	188.58	9402.0	-568.0	-85.7	10.00	188.58	569.1	Start DLS 2.00 TFO -89.96
10206.0	90.16	179.07	9400.7	-1041.9	-117.4	2.00	-89.96	1043.4	
12343.2	90.16	179.07	9394.9	-3178.8	-82.7	0.00	0.00	3179.6	
12391.1	90.15	180.03	9394.8	-3226.7	-82.3	2.00	90.09	3227.5	
17640.0	90.15	180.03	9380.7	-8475.6	-84.8	0.00	0.00	8476.0	
17658.2	90.15	181.11	9380.7	-8493.9	-85.0	5.94	89.99	8494.2	
22745.2	90.15	181.11	9367.0	-13579.8	-183.9	0.00	0.00	13581.1	



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 4 16 State Com 705H

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	14 3/4"	10 3/4"	45.5#	750'	500	0'
Intermediate	9-7/8"	7-5/8"	29.7#	8725'	1250	0'
Production	6-3/4"	5-1/2"	23#	22745'	1300	8200'

Well Plan

Drill 14-3/4" hole to ~750' w/ fresh water. Run 10-3/4" 45.5# J-55 BTC casing to TD and cement to surface in one stage.

Drill 9-7/8" hole to ~8,725' with cut brine emulsion. Run 7-5/8 29.7# L-80 BTC to TD and cement to surface in one stage.

Drill 6-3/4" vertical hole, curve & lateral to 22,745' with OBM. Run 5-1/2" 23# P110 CDC HTQ from surface to 8,600' and TALON casing from 8,500' to TD and cement to 8,200' in one stage.

Well Control

<u>Type</u>	<u>Working Pressure</u>	<u>Test Pressure</u>	<u>Manufacture</u>
Double Ram	5000 psi	5000 psi	Cameron