

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 291112

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 30-015-47931
4. Property Code 329975	5. Property Name MYOX 4 16 STATE COM	6. Well No. 704H

7. Surface Location

UL - Lot F	Section 4	Township 26S	Range 28E	Lot Idn F	Feet From 2115	N/S Line N	Feet From 1600	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 2326	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 22835	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	8775	1250	0
Prod	6.75	5.5	23	22835	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 704H
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	1600'	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	2326'	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.

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: Stan Wagner

E-mail Address: _____

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

Date of Survey: _____

Signature and Seal of Professional Surveyor:

Certificate Number: _____

LAST TAKE POINT (LTP) NEW MEXICO EAST - NAD 83 X=615650.33 Y=376962.75 LAT.= 32.03612378° N LONG.= 104.09351152° W 330' FSL, 2326' FWL SECTION 16	BOTTOM HOLE LOCATION (BHL) NEW MEXICO EAST - NAD 83 X=615651.47 Y=376832.74 LAT.= 32.03576640° N LONG.= 104.09350879° W 200' FSL, 2326' FWL SECTION 16
SURFACE HOLE LOCATION (SHL) NEW MEXICO EAST - NAD 83 X=614977.09 Y=390415.74 LAT.= 32.07310956° N LONG.= 104.09558857° W 2115' FNL, 1600' FWL SECTION 4	FIRST TAKE POINT (FTP) NEW MEXICO EAST - NAD 83 X=615710.04 Y=389865.08 LAT.= 32.07159138° N LONG.= 104.09322623° W 2630' FSL, 2326' FWL SECTION 4

Intent ☒ As Drilled ☐

API # 30-015		
Operator Name: COG Operating LLC	Property Name: Myox 4 16 State Com	Well Number 704H

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 2326	From E/W West	County Eddy
Latitude 32.07159138					Longitude -104.09322623			NAD NAD 83	

Last Take Point (LTP)

UL N	Section 16	Township 26S	Range 28E	Lot	Feet 330	From N/S South	Feet 2326	From E/W West	County Eddy
Latitude 32.03612378					Longitude -104.09351152			NAD NAD 83	

Is this well the defining well for the Horizontal Spacing Unit? ☐ NoIs this well an infill well? ☐ Yes

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

API # 30-015		
Operator Name: COG Operating LLC	Property Name: Myox 4 16 State Com	Well Number 705H

KZ 06/29/2018

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

GAS CAPTURE PLAN

Date: 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 #704H	30-015-47931	F-4-26S-28E	2115N 1600W	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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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

Form APD Comments

Permit 291112

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-47931
		Well: MYOX 4 16 STATE COM #704H

Created By	Comment	Comment Date
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Form APD Conditions

Permit 291112

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-47931
	Well: MYOX 4 16 STATE COM #704H

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	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	The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud
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	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 #704H

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 #704H
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 #704H	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	22,834.6	PWP3 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
BOO RADLEY COM PROJECT						
BOO RADLEY COM #704H - OWB - PWP1	22,834.6	9,379.3	360.4	232.4	2.815	CC, ES, SF
BOO RADLEY COM #705H - OWB - PWP1	22,834.6	9,332.5	919.2	791.1	7.175	CC, ES, SF
HONEY GRAHAM STATE PROJECT (ATLAS 2628)						
GRAHAM CRACKER 16 STATE #7H - OWB - ACTUAL V	18,938.4	10,047.1	813.5	693.2	6.762	CC
GRAHAM CRACKER 16 STATE #7H - OWB - ACTUAL V	21,400.0	12,489.0	862.1	691.1	5.041	ES
GRAHAM CRACKER 16 STATE #7H - OWB - ACTUAL V	22,700.0	13,737.0	922.2	721.7	4.600	SF
MYOX 4 28 & 16 ST COM PROJECT						
MYOX 4 16 ST COM #705H - OWB - PWP2	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	60.0	47.3	4.732	CC, ES, SF
MYOX 4 28 ST COM #704H - OWB - PWP1	9,251.6	9,963.3	202.9	160.3	4.757	CC, ES, SF
MYOX 4 28 ST COM #705H - OWB - PWP1	2,413.8	2,421.8	836.2	823.0	63.574	CC
MYOX 4 28 ST COM #705H - OWB - PWP1	2,500.0	2,500.0	836.2	822.7	61.879	ES
MYOX 4 28 ST COM #705H - OWB - PWP1	9,150.0	9,916.7	878.3	835.6	20.581	SF
MYOX 4 28 ST COM #706H - OWB - PWP1	2,500.0	2,508.0	847.6	834.1	62.776	CC, ES
MYOX 4 28 ST COM #706H - OWB - PWP1	5,700.0	5,656.6	995.9	968.8	36.714	SF
SRO STATE PROJECT (ATLAS 2628)						
SRO 4 STATE COM #501H - OWB - ACTUAL WELLPAT	8,044.1	9,823.1	451.2	403.8	9.521	CC, ES, SF

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		Highside Toolface (°)	Offset Wellbore Centre		Distance		Minimum Separation (usft)	Separation Factor	Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)		+N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)			
22,100.0	9,389.3	9,174.9	9,143.1	115.7	32.8	45.16	-13,703.9	379.3	955.9	862.5	93.45	10.229	
22,200.0	9,389.0	9,200.0	9,165.6	116.5	32.9	46.98	-13,713.9	384.1	866.5	770.8	95.73	9.051	
22,300.0	9,388.6	9,200.0	9,165.6	117.3	32.9	46.98	-13,713.9	384.1	778.7	679.0	99.67	7.813	
22,400.0	9,388.3	9,232.1	9,193.7	118.1	33.0	49.45	-13,728.0	390.6	692.8	589.9	102.82	6.738	
22,500.0	9,388.0	9,250.0	9,209.0	118.9	33.1	50.91	-13,736.5	394.4	609.6	502.0	107.58	5.667	
22,600.0	9,387.7	9,286.9	9,239.5	119.8	33.2	54.09	-13,755.6	402.5	529.6	417.3	112.23	4.719	
22,700.0	9,387.4	9,321.8	9,267.1	120.6	33.3	57.33	-13,775.3	410.7	453.8	335.5	118.28	3.837	
22,800.0	9,387.1	9,363.2	9,298.1	121.4	33.4	61.46	-13,800.8	420.8	383.3	258.0	125.34	3.058	
22,834.6	9,387.0	9,379.3	9,309.6	121.7	33.5	63.15	-13,811.3	424.9	360.4	232.4	128.03	2.815	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 #704H
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 #704H	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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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
22,600.0	9,387.7	9,233.9	9,212.7	119.8	12.5	76.10	-13,662.2	-221.9	979.3	856.7	122.55	7.991	
22,700.0	9,387.4	9,270.9	9,242.4	120.6	12.5	77.91	-13,684.4	-222.0	948.9	823.7	125.26	7.576	
22,800.0	9,387.1	9,315.2	9,275.9	121.4	12.6	79.97	-13,713.3	-222.1	925.7	798.2	127.47	7.262	
22,834.6	9,387.0	9,332.5	9,288.4	121.7	12.6	80.75	-13,725.3	-222.2	919.2	791.1	128.12	7.175 CC, ES, SF	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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 #7H - OWB - AC												Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS, 6467-MWD												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,900.0	9,402.2	9,301.0	9,160.4	82.0	26.0	-71.51	-8,974.9	1,651.8	985.8	883.9	101.90	9.674	
18,000.0	9,401.9	9,357.7	9,180.2	82.8	26.2	-72.48	-9,026.8	1,640.5	956.5	852.5	104.03	9.194	
18,100.0	9,401.6	9,419.9	9,193.5	83.5	26.5	-73.07	-9,086.1	1,627.0	930.9	824.9	105.98	8.784	
18,200.0	9,401.3	9,474.9	9,197.6	84.3	26.8	-73.12	-9,139.5	1,615.0	909.5	801.5	107.96	8.424	
18,300.0	9,400.9	9,586.9	9,197.5	85.1	27.5	-72.70	-9,248.7	1,590.1	890.0	780.9	109.03	8.162	
18,400.0	9,400.6	9,684.0	9,195.8	85.9	28.2	-72.17	-9,342.8	1,566.2	868.7	758.3	110.42	7.868	
18,500.0	9,400.3	9,754.8	9,194.1	86.7	28.8	-71.76	-9,411.7	1,549.9	849.4	737.1	112.28	7.565	
18,600.0	9,400.0	9,818.0	9,190.9	87.5	29.4	-71.33	-9,473.6	1,537.7	834.2	720.0	114.19	7.305	
18,700.0	9,399.7	9,879.4	9,187.4	88.3	30.1	-70.92	-9,534.1	1,528.5	823.4	707.3	116.13	7.091	
18,800.0	9,399.4	9,947.7	9,184.3	89.0	30.8	-70.61	-9,602.0	1,521.5	816.8	698.9	117.92	6.927	
18,900.0	9,399.1	10,007.0	9,184.1	89.8	31.5	-70.55	-9,661.2	1,518.1	813.9	694.3	119.62	6.804	
18,938.4	9,399.0	10,047.1	9,184.5	90.1	32.0	-70.58	-9,701.4	1,517.1	813.5	693.2	120.31	6.762 CC	
19,000.0	9,398.8	10,102.0	9,184.7	90.6	32.6	-70.62	-9,756.2	1,517.0	814.3	692.9	121.36	6.709	
19,100.0	9,398.5	10,192.6	9,184.6	91.4	33.5	-70.70	-9,846.8	1,517.6	816.6	693.5	123.05	6.636	
19,200.0	9,398.2	10,265.7	9,184.7	92.2	34.2	-70.78	-9,919.9	1,519.0	820.2	695.5	124.61	6.582	
19,300.0	9,397.9	10,356.2	9,184.3	93.0	35.2	-70.91	-10,010.3	1,523.2	826.4	700.1	126.33	6.542	
19,400.0	9,397.6	10,453.3	9,183.3	93.8	36.2	-71.01	-10,107.3	1,527.8	832.9	704.8	128.14	6.500	
19,500.0	9,397.3	10,570.9	9,182.4	94.6	37.5	-71.13	-10,224.8	1,532.7	838.9	708.7	130.24	6.441	
19,600.0	9,396.9	10,673.9	9,182.3	95.4	38.7	-71.25	-10,327.7	1,535.6	843.3	711.1	132.22	6.378	
19,700.0	9,396.6	10,787.9	9,184.1	96.2	40.1	-71.49	-10,441.7	1,537.9	846.5	712.1	134.37	6.299	
19,800.0	9,396.3	10,885.9	9,185.7	97.0	41.3	-71.69	-10,539.7	1,539.5	849.3	712.9	136.38	6.227	
19,900.0	9,396.0	10,988.3	9,184.8	97.8	42.6	-71.70	-10,642.0	1,540.2	851.9	713.5	138.42	6.154	
20,000.0	9,395.7	11,096.9	9,182.6	98.6	44.0	-71.63	-10,750.6	1,540.0	854.2	713.7	140.53	6.078	
20,100.0	9,395.4	11,191.9	9,181.7	99.4	45.2	-71.61	-10,845.6	1,539.2	855.5	712.9	142.54	6.002	
20,200.0	9,395.1	11,287.1	9,180.9	100.2	46.5	-71.64	-10,940.8	1,540.1	858.3	713.7	144.59	5.936	
20,300.0	9,394.8	11,405.5	9,180.5	101.0	48.1	-71.68	-11,059.2	1,539.9	860.1	713.2	146.90	5.855	
20,400.0	9,394.5	11,509.1	9,182.6	101.8	49.5	-71.85	-11,162.7	1,538.9	860.2	711.1	149.10	5.769	
20,500.0	9,394.2	11,616.4	9,184.3	102.6	51.0	-71.99	-11,270.1	1,537.1	859.9	708.6	151.35	5.682	
20,593.8	9,393.9	11,704.1	9,184.5	103.4	52.2	-72.02	-11,357.8	1,535.2	859.6	706.3	153.33	5.606	
20,600.0	9,393.9	11,707.0	9,184.5	103.4	52.3	-72.01	-11,360.6	1,535.2	859.6	706.2	153.43	5.602	
20,700.0	9,393.6	11,801.0	9,184.0	104.3	53.6	-72.01	-11,454.6	1,533.8	860.2	704.6	155.54	5.530	
20,800.0	9,393.3	11,913.4	9,183.2	105.1	55.2	-71.99	-11,567.0	1,531.9	860.5	702.7	157.84	5.452	
20,900.0	9,392.9	12,015.5	9,182.0	105.9	56.7	-71.91	-11,669.0	1,528.9	859.9	699.9	160.04	5.373	
20,975.0	9,392.7	12,085.0	9,180.8	106.5	57.7	-71.84	-11,738.5	1,527.0	859.6	698.0	161.62	5.319	
21,000.0	9,392.6	12,105.6	9,180.6	106.7	58.0	-71.83	-11,759.1	1,526.6	859.6	697.5	162.13	5.302	
21,100.0	9,392.3	12,186.1	9,181.2	107.5	59.2	-71.92	-11,839.6	1,526.9	861.5	697.3	164.15	5.248	
21,200.0	9,392.0	12,311.1	9,181.5	108.3	61.1	-71.98	-11,964.6	1,525.3	861.7	695.0	166.74	5.168	
21,206.0	9,392.0	12,316.1	9,181.4	108.4	61.2	-71.98	-11,969.6	1,525.2	861.7	694.9	166.87	5.164	
21,300.0	9,391.7	12,416.3	9,181.0	109.1	62.7	-71.97	-12,069.7	1,523.3	861.9	692.8	169.04	5.099	
21,345.7	9,391.6	12,455.8	9,181.0	109.5	63.3	-71.98	-12,109.3	1,522.4	861.7	691.7	170.02	5.068	
21,400.0	9,391.4	12,489.0	9,181.2	109.9	63.8	-72.00	-12,142.4	1,522.0	862.1	691.1	171.00	5.041 ES	
21,500.0	9,391.1	12,583.0	9,182.1	110.8	65.2	-72.14	-12,236.4	1,523.0	864.6	691.4	173.23	4.991	
21,600.0	9,390.8	12,666.0	9,183.8	111.6	66.5	-72.35	-12,319.4	1,526.2	869.3	694.0	175.29	4.959	
21,700.0	9,390.5	12,777.6	9,184.4	112.4	68.1	-72.53	-12,430.8	1,529.5	873.7	695.9	177.83	4.913	
21,800.0	9,390.2	12,866.0	9,184.4	113.2	69.5	-72.62	-12,519.2	1,531.9	878.1	698.1	179.94	4.880	
21,900.0	9,389.9	12,961.0	9,185.2	114.0	70.9	-72.80	-12,614.2	1,535.6	883.4	701.2	182.19	4.849	
22,000.0	9,389.6	13,056.0	9,184.4	114.8	72.4	-72.87	-12,709.1	1,539.2	889.0	704.6	184.40	4.821	
22,100.0	9,389.3	13,151.0	9,183.3	115.7	73.8	-72.93	-12,804.0	1,543.3	895.2	708.6	186.61	4.797	
22,200.0	9,389.0	13,264.1	9,182.4	116.5	75.6	-73.02	-12,917.0	1,547.7	900.9	711.7	189.23	4.761	
22,300.0	9,388.6	13,354.3	9,179.8	117.3	77.0	-72.97	-13,007.1	1,551.0	907.0	715.7	191.32	4.741	
22,400.0	9,388.3	13,480.3	9,176.9	118.1	78.9	-72.92	-13,133.0	1,553.6	911.3	717.2	194.11	4.695	
22,500.0	9,388.0	13,585.7	9,180.3	118.9	80.5	-73.22	-13,238.3	1,556.2	914.5	717.9	196.63	4.651	

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 #704H
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 #704H	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 #7H - OWB - AC												Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS, 6467-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
22,600.0	9,387.7	13,679.2	9,183.5	119.8	82.0	-73.50	-13,331.7	1,558.3	917.5	718.5	198.95	4.611	
22,700.0	9,387.4	13,737.0	9,185.8	120.6	82.9	-73.71	-13,389.5	1,560.2	922.2	721.7	200.47	4.600 SF	
22,800.0	9,387.1	13,737.0	9,185.8	121.4	82.9	-73.71	-13,389.5	1,560.2	935.6	736.4	199.25	4.696	
22,834.6	9,387.0	13,737.0	9,185.8	121.7	82.9	-73.71	-13,389.5	1,560.2	942.7	744.3	198.38	4.752	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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 #705H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8829-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-90.15	-0.1	-30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	-90.15	-0.1	-30.0	30.0	24.0	6.00	5.003	
200.0	200.0	200.0	200.0	3.0	3.0	-90.15	-0.1	-30.0	30.0	24.0	6.04	4.972	
300.0	300.0	300.0	300.0	3.1	3.0	-90.15	-0.1	-30.0	30.0	23.9	6.12	4.906	
400.0	400.0	400.0	400.0	3.2	3.0	-90.15	-0.1	-30.0	30.0	23.8	6.24	4.812	
500.0	500.0	500.0	500.0	3.4	3.1	-90.15	-0.1	-30.0	30.0	23.6	6.40	4.695	
600.0	600.0	600.0	600.0	3.6	3.1	-90.15	-0.1	-30.0	30.0	23.4	6.58	4.561	
700.0	700.0	700.0	700.0	3.8	3.1	-90.15	-0.1	-30.0	30.0	23.2	6.80	4.417	
800.0	800.0	800.0	800.0	4.0	3.2	-90.15	-0.1	-30.0	30.0	23.0	7.04	4.268	
900.0	900.0	900.0	900.0	4.2	3.2	-90.15	-0.1	-30.0	30.0	22.7	7.29	4.117	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	-90.15	-0.1	-30.0	30.0	22.5	7.57	3.968	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	-90.15	-0.1	-30.0	30.0	22.2	7.86	3.822	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	-90.15	-0.1	-30.0	30.0	21.9	8.16	3.681	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	-90.15	-0.1	-30.0	30.0	21.6	8.47	3.546	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	-90.15	-0.1	-30.0	30.0	21.2	8.79	3.417	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	-90.15	-0.1	-30.0	30.0	20.9	9.12	3.294	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	-90.15	-0.1	-30.0	30.0	20.6	9.45	3.177	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	-90.15	-0.1	-30.0	30.0	20.2	9.79	3.066	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	-90.15	-0.1	-30.0	30.0	19.9	10.14	2.961	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	-90.15	-0.1	-30.0	30.0	19.5	10.49	2.862	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	-90.15	-0.1	-30.0	30.0	19.2	10.85	2.768	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	-90.15	-0.1	-30.0	30.0	18.8	11.21	2.680	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	-90.15	-0.1	-30.0	30.0	18.5	11.57	2.595	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	-90.15	-0.1	-30.0	30.0	18.1	11.94	2.516	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	-90.15	-0.1	-30.0	30.0	17.7	12.31	2.440	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	-90.15	-0.1	-30.0	30.0	17.4	12.68	2.369 CC, ES, SF	
2,600.0	2,600.0	2,600.0	2,600.0	9.6	4.5	-177.84	-0.1	-30.0	31.8	18.7	13.04	2.436	
2,700.0	2,699.8	2,699.8	2,699.8	9.9	4.6	-178.14	-0.1	-30.0	37.0	23.6	13.41	2.760	
2,749.9	2,749.6	2,749.6	2,749.6	10.1	4.6	-178.32	-0.1	-30.0	40.9	27.3	13.59	3.011	
2,800.0	2,799.5	2,799.5	2,799.5	10.2	4.7	-178.48	-0.1	-30.0	45.3	31.5	13.77	3.288	
2,900.0	2,899.1	2,899.1	2,899.1	10.5	4.8	-178.72	-0.1	-30.0	54.0	39.9	14.14	3.819	
3,000.0	2,998.7	2,998.7	2,998.7	10.9	4.9	-178.90	-0.1	-30.0	62.7	48.2	14.51	4.322	
3,100.0	3,098.4	3,098.4	3,098.4	11.2	5.0	-179.04	-0.1	-30.0	71.4	56.5	14.88	4.800	
3,200.0	3,198.0	3,198.0	3,198.0	11.6	5.1	-179.14	-0.1	-30.0	80.1	64.9	15.25	5.253	
3,300.0	3,297.6	3,297.6	3,297.6	11.9	5.2	-179.22	-0.1	-30.0	88.8	73.2	15.63	5.683	
3,400.0	3,397.2	3,397.2	3,397.2	12.2	5.3	-179.29	-0.1	-30.0	97.5	81.5	16.01	6.093	
3,500.0	3,496.8	3,496.8	3,496.8	12.6	5.4	-179.35	-0.1	-30.0	106.3	89.9	16.39	6.482	
3,600.0	3,596.5	3,596.5	3,596.5	12.9	5.5	-179.40	-0.1	-30.0	115.0	98.2	16.77	6.853	
3,700.0	3,696.1	3,696.1	3,696.1	13.3	5.6	-179.44	-0.1	-30.0	123.7	106.5	17.16	7.207	
3,800.0	3,795.7	3,795.7	3,795.7	13.6	5.8	-179.48	-0.1	-30.0	132.4	114.8	17.55	7.544	
3,900.0	3,895.3	3,895.3	3,895.3	14.0	5.9	-179.51	-0.1	-30.0	141.1	123.2	17.94	7.866	
4,000.0	3,994.9	3,994.9	3,994.9	14.3	6.0	-179.54	-0.1	-30.0	149.8	131.5	18.33	8.173	
4,100.0	4,094.6	4,094.6	4,094.6	14.6	6.1	-179.57	-0.1	-30.0	158.5	139.8	18.72	8.467	
4,200.0	4,194.2	4,194.2	4,194.2	15.0	6.2	-179.59	-0.1	-30.0	167.2	148.1	19.12	8.748	
4,300.0	4,293.8	4,293.8	4,293.8	15.3	6.3	-179.61	-0.1	-30.0	175.9	156.4	19.51	9.017	
4,400.0	4,393.4	4,393.4	4,393.4	15.7	6.4	-179.63	-0.1	-30.0	184.7	164.7	19.91	9.275	
4,500.0	4,493.0	4,493.0	4,493.0	16.0	6.6	-179.64	-0.1	-30.0	193.4	173.1	20.31	9.523	
4,600.0	4,592.6	4,592.6	4,592.6	16.4	6.7	-179.66	-0.1	-30.0	202.1	181.4	20.71	9.760	
4,700.0	4,692.3	4,692.3	4,692.3	16.7	6.8	-179.67	-0.1	-30.0	210.8	189.7	21.11	9.987	
4,800.0	4,791.9	4,791.9	4,791.9	17.1	6.9	-179.69	-0.1	-30.0	219.5	198.0	21.51	10.206	
4,900.0	4,891.5	4,891.5	4,891.5	17.5	7.0	-179.70	-0.1	-30.0	228.2	206.3	21.91	10.416	
5,000.0	4,991.1	4,991.1	4,991.1	17.8	7.2	-179.71	-0.1	-30.0	236.9	214.6	22.31	10.618	

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 #704H
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 #704H	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 #705H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8829-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,100.0	5,090.7	5,090.7	5,090.7	18.2	7.3	-179.72	-0.1	-30.0	245.6	222.9	22.72	10.813	
5,200.0	5,190.4	5,190.4	5,190.4	18.5	7.4	-179.73	-0.1	-30.0	254.3	231.2	23.12	11.000	
5,300.0	5,290.0	5,290.0	5,290.0	18.9	7.5	-179.74	-0.1	-30.0	263.1	239.5	23.53	11.181	
5,400.0	5,389.6	5,389.6	5,389.6	19.2	7.6	-179.75	-0.1	-30.0	271.8	247.8	23.93	11.355	
5,500.0	5,489.2	5,489.2	5,489.2	19.6	7.8	-179.75	-0.1	-30.0	280.5	256.1	24.34	11.522	
5,600.0	5,588.8	5,588.8	5,588.8	19.9	7.9	-179.76	-0.1	-30.0	289.2	264.4	24.75	11.684	
5,700.0	5,688.5	5,688.5	5,688.5	20.3	8.0	-179.77	-0.1	-30.0	297.9	272.7	25.16	11.840	
5,800.0	5,788.1	5,788.1	5,788.1	20.6	8.1	-179.78	-0.1	-30.0	306.6	281.0	25.57	11.991	
5,900.0	5,887.7	5,887.7	5,887.7	21.0	8.2	-179.78	-0.1	-30.0	315.3	289.3	25.98	12.137	
6,000.0	5,987.3	5,987.3	5,987.3	21.4	8.4	-179.79	-0.1	-30.0	324.0	297.6	26.39	12.278	
6,100.0	6,086.9	6,086.9	6,086.9	21.7	8.5	-179.79	-0.1	-30.0	332.7	305.9	26.80	12.415	
6,200.0	6,186.6	6,186.6	6,186.6	22.1	8.6	-179.80	-0.1	-30.0	341.5	314.2	27.21	12.547	
6,300.0	6,286.2	6,286.2	6,286.2	22.4	8.7	-179.80	-0.1	-30.0	350.2	322.5	27.63	12.675	
6,400.0	6,385.8	6,385.8	6,385.8	22.8	8.9	-179.81	-0.1	-30.0	358.9	330.8	28.04	12.799	
6,500.0	6,485.4	6,485.4	6,485.4	23.1	9.0	-179.81	-0.1	-30.0	367.6	339.1	28.45	12.919	
6,600.0	6,585.0	6,585.0	6,585.0	23.5	9.1	-179.82	-0.1	-30.0	376.3	347.4	28.87	13.035	
6,700.0	6,684.7	6,684.7	6,684.7	23.9	9.2	-179.82	-0.1	-30.0	385.0	355.7	29.28	13.148	
6,800.0	6,784.3	6,784.3	6,784.3	24.2	9.4	-179.83	-0.1	-30.0	393.7	364.0	29.70	13.258	
6,900.0	6,883.9	6,883.9	6,883.9	24.6	9.5	-179.83	-0.1	-30.0	402.4	372.3	30.11	13.364	
7,000.0	6,983.5	6,983.5	6,983.5	24.9	9.6	-179.83	-0.1	-30.0	411.2	380.6	30.53	13.467	
7,100.0	7,083.1	7,083.1	7,083.1	25.3	9.7	-179.84	-0.1	-30.0	419.9	388.9	30.95	13.567	
7,200.0	7,182.8	7,182.8	7,182.8	25.6	9.9	-179.84	-0.1	-30.0	428.6	397.2	31.36	13.665	
7,300.0	7,282.4	7,282.4	7,282.4	26.0	10.0	-179.84	-0.1	-30.0	437.3	405.5	31.78	13.759	
7,400.0	7,382.0	7,382.0	7,382.0	26.4	10.1	-179.85	-0.1	-30.0	446.0	413.8	32.20	13.851	
7,500.0	7,481.6	7,481.6	7,481.6	26.7	10.2	-179.85	-0.1	-30.0	454.7	422.1	32.62	13.941	
7,600.0	7,581.2	7,581.2	7,581.2	27.1	10.4	-179.85	-0.1	-30.0	463.4	430.4	33.04	14.028	
7,700.0	7,680.9	7,680.9	7,680.9	27.4	10.5	-179.85	-0.1	-30.0	472.1	438.7	33.45	14.113	
7,800.0	7,780.5	7,780.5	7,780.5	27.8	10.6	-179.86	-0.1	-30.0	480.8	447.0	33.87	14.196	
7,900.0	7,880.1	7,880.1	7,880.1	28.2	10.7	-179.86	-0.1	-30.0	489.6	455.3	34.29	14.276	
8,000.0	7,979.7	7,979.7	7,979.7	28.5	10.9	-179.86	-0.1	-30.0	498.3	463.6	34.71	14.354	
8,100.0	8,079.3	8,079.3	8,079.3	28.9	11.0	-179.86	-0.1	-30.0	507.0	471.8	35.13	14.431	
8,200.0	8,179.0	8,179.0	8,179.0	29.2	11.1	-179.87	-0.1	-30.0	515.7	480.1	35.55	14.505	
8,300.0	8,278.6	8,278.6	8,278.6	29.6	11.2	-179.87	-0.1	-30.0	524.4	488.4	35.97	14.578	
8,400.0	8,378.2	8,378.2	8,378.2	30.0	11.4	-179.87	-0.1	-30.0	533.1	496.7	36.39	14.649	
8,500.0	8,477.8	8,477.8	8,477.8	30.3	11.5	-179.87	-0.1	-30.0	541.8	505.0	36.81	14.718	
8,600.0	8,577.4	8,577.4	8,577.4	30.7	11.6	-179.87	-0.1	-30.0	550.5	513.3	37.24	14.785	
8,700.0	8,677.1	8,677.1	8,677.1	31.0	11.7	-179.88	-0.1	-30.0	559.2	521.6	37.66	14.851	
8,800.0	8,776.7	8,776.7	8,776.7	31.4	11.9	-179.88	-0.1	-30.0	568.0	529.9	38.08	14.915	
8,886.5	8,862.9	8,857.5	8,857.5	31.7	12.0	-179.95	-0.8	-30.1	575.7	537.2	38.42	14.984	
8,900.0	8,876.3	8,868.7	8,868.6	31.8	12.0	165.47	-1.4	-30.2	577.0	538.5	38.46	15.002	
8,950.0	8,925.9	8,910.2	8,909.9	31.9	12.0	132.23	-5.8	-30.9	582.8	544.2	38.62	15.089	
9,000.0	8,975.1	8,950.0	8,949.1	32.1	12.0	118.70	-12.7	-31.9	589.8	551.0	38.78	15.209	
9,050.0	9,023.3	8,992.4	8,990.2	32.3	12.0	111.77	-23.0	-33.5	598.0	559.1	38.95	15.354	
9,100.0	9,070.2	9,033.2	9,028.9	32.5	12.0	107.42	-35.7	-35.4	607.3	568.2	39.11	15.526	
9,150.0	9,115.5	9,073.7	9,066.3	32.6	12.0	104.29	-51.0	-37.7	617.5	578.3	39.28	15.722	
9,200.0	9,158.8	9,114.0	9,102.4	32.8	12.1	101.84	-68.7	-40.4	628.7	589.3	39.45	15.939	
9,250.0	9,199.9	9,150.0	9,133.5	32.9	12.1	99.75	-86.7	-43.1	640.8	601.2	39.61	16.179	
9,300.0	9,238.3	9,194.1	9,169.9	33.1	12.1	97.98	-111.3	-46.8	653.6	613.8	39.79	16.424	
9,350.0	9,273.8	9,234.1	9,201.1	33.2	12.2	96.37	-135.9	-50.5	667.1	627.1	39.98	16.685	
9,400.0	9,306.1	9,274.0	9,230.6	33.3	12.2	94.90	-162.5	-54.5	681.1	640.9	40.17	16.956	
9,450.0	9,335.0	9,313.9	9,258.0	33.5	12.2	93.54	-191.1	-58.9	695.7	655.3	40.37	17.234	
9,500.0	9,360.3	9,353.9	9,283.5	33.6	12.3	92.27	-221.7	-63.5	710.6	670.0	40.57	17.515	

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 #704H
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 #704H	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 #705H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8829-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	9,381.7	9,394.1	9,306.8	33.7	12.3	91.08	-254.0	-68.3	725.9	685.1	40.79	17.796	
9,600.0	9,399.1	9,434.5	9,327.9	33.8	12.4	89.98	-288.1	-73.5	741.4	700.3	41.02	18.075	
9,650.0	9,412.4	9,475.3	9,346.7	33.9	12.4	88.96	-323.9	-78.9	757.0	715.7	41.25	18.350	
9,700.0	9,421.4	9,516.5	9,363.0	34.0	12.5	88.03	-361.3	-84.5	772.6	731.1	41.50	18.618	
9,750.0	9,426.2	9,558.3	9,376.7	34.1	12.5	87.18	-400.3	-90.4	788.2	746.4	41.75	18.879	
9,781.6	9,427.0	9,585.0	9,384.0	34.2	12.5	86.69	-425.7	-94.3	798.0	756.1	41.92	19.038	
9,800.0	9,426.9	9,600.0	9,387.5	34.2	12.5	86.99	-440.1	-96.4	803.6	761.6	42.01	19.130	
9,900.0	9,426.6	9,690.1	9,400.6	34.4	12.6	88.09	-528.2	-109.7	833.0	790.4	42.58	19.564	
10,000.0	9,426.3	9,807.9	9,401.8	34.6	12.6	88.28	-644.7	-126.2	858.8	815.5	43.30	19.832	
10,100.0	9,426.0	9,948.9	9,401.4	34.8	12.7	88.35	-785.1	-140.1	877.0	832.7	44.29	19.802	
10,200.0	9,425.7	10,092.7	9,401.0	35.0	12.8	88.39	-928.7	-147.0	886.8	841.4	45.40	19.533	
10,246.7	9,425.5	10,160.3	9,400.8	35.1	12.8	88.40	-996.3	-147.8	888.4	842.5	45.96	19.331	
10,300.0	9,425.4	10,227.8	9,400.6	35.2	12.9	88.40	-1,063.8	-147.1	888.7	842.1	46.54	19.095	
10,400.0	9,425.1	10,327.8	9,400.4	35.5	13.0	88.41	-1,163.7	-145.4	888.7	841.2	47.47	18.720	
10,500.0	9,424.8	10,427.8	9,400.1	35.7	13.4	88.41	-1,263.7	-143.8	888.6	840.2	48.44	18.345	
10,600.0	9,424.5	10,527.8	9,399.8	36.0	14.0	88.41	-1,363.7	-142.2	888.6	839.2	49.44	17.972	
10,700.0	9,424.2	10,627.8	9,399.5	36.3	14.7	88.41	-1,463.7	-140.6	888.6	838.1	50.48	17.602	
10,800.0	9,423.9	10,727.8	9,399.3	36.6	15.5	88.42	-1,563.7	-138.9	888.6	837.0	51.55	17.237	
10,900.0	9,423.5	10,827.8	9,399.0	36.9	16.2	88.42	-1,663.7	-137.3	888.5	835.9	52.65	16.878	
11,000.0	9,423.2	10,927.8	9,398.7	37.3	17.0	88.42	-1,763.7	-135.7	888.5	834.7	53.77	16.525	
11,100.0	9,422.9	11,027.8	9,398.5	37.7	17.8	88.42	-1,863.6	-134.1	888.5	833.6	54.92	16.179	
11,200.0	9,422.6	11,127.8	9,398.2	38.0	18.6	88.42	-1,963.6	-132.4	888.5	832.4	56.08	15.841	
11,300.0	9,422.3	11,227.8	9,397.9	38.4	19.4	88.43	-2,063.6	-130.8	888.4	831.2	57.28	15.511	
11,400.0	9,422.0	11,327.8	9,397.6	38.8	20.2	88.43	-2,163.6	-129.2	888.4	829.9	58.49	15.190	
11,500.0	9,421.7	11,427.8	9,397.4	39.3	21.0	88.43	-2,263.6	-127.6	888.4	828.7	59.72	14.876	
11,600.0	9,421.4	11,527.8	9,397.1	39.7	21.8	88.43	-2,363.6	-126.0	888.4	827.4	60.97	14.570	
11,700.0	9,421.1	11,627.8	9,396.8	40.1	22.6	88.43	-2,463.6	-124.3	888.4	826.1	62.24	14.273	
11,800.0	9,420.8	11,727.8	9,396.6	40.6	23.4	88.44	-2,563.6	-122.7	888.3	824.8	63.52	13.984	
11,900.0	9,420.5	11,827.8	9,396.3	41.1	24.2	88.44	-2,663.5	-121.1	888.3	823.5	64.82	13.703	
12,000.0	9,420.2	11,927.8	9,396.0	41.6	25.0	88.44	-2,763.5	-119.5	888.3	822.1	66.14	13.431	
12,100.0	9,419.9	12,027.8	9,395.8	42.1	25.9	88.44	-2,863.5	-117.8	888.3	820.8	67.47	13.165	
12,200.0	9,419.6	12,127.8	9,395.5	42.6	26.7	88.44	-2,963.5	-116.2	888.2	819.4	68.81	12.908	
12,300.0	9,419.3	12,227.8	9,395.2	43.1	27.5	88.45	-3,063.5	-114.6	888.2	818.0	70.17	12.658	
12,400.0	9,419.0	12,327.8	9,394.9	43.7	28.4	88.45	-3,163.5	-113.0	888.2	816.6	71.54	12.416	
12,415.6	9,418.9	12,343.2	9,394.9	43.7	28.5	88.45	-3,178.9	-112.7	888.2	816.4	71.75	12.379	
12,431.6	9,418.9	12,355.5	9,394.9	43.8	28.6	88.45	-3,191.2	-112.5	888.2	816.3	71.93	12.348	
12,478.8	9,418.8	12,391.7	9,394.8	44.1	28.9	88.45	-3,227.4	-112.3	888.3	815.9	72.45	12.261	
12,500.0	9,418.7	12,412.9	9,394.7	44.2	29.1	88.45	-3,248.6	-112.3	888.3	815.6	72.74	12.211	
12,600.0	9,418.4	12,512.9	9,394.4	44.7	29.9	88.46	-3,348.6	-112.4	888.3	814.2	74.13	11.983	
12,700.0	9,418.1	12,612.9	9,394.2	45.3	30.7	88.46	-3,448.6	-112.4	888.3	812.8	75.53	11.760	
12,800.0	9,417.8	12,712.9	9,393.9	45.9	31.6	88.46	-3,548.6	-112.5	888.3	811.4	76.94	11.545	
12,900.0	9,417.5	12,812.9	9,393.6	46.5	32.4	88.46	-3,648.6	-112.5	888.3	809.9	78.37	11.335	
13,000.0	9,417.2	12,912.9	9,393.4	47.0	33.2	88.47	-3,748.6	-112.6	888.3	808.5	79.80	11.132	
13,100.0	9,416.9	13,012.9	9,393.1	47.6	34.1	88.47	-3,848.6	-112.6	888.3	807.1	81.24	10.935	
13,200.0	9,416.6	13,112.9	9,392.8	48.2	34.9	88.47	-3,948.6	-112.7	888.3	805.6	82.69	10.743	
13,300.0	9,416.2	13,212.9	9,392.6	48.9	35.8	88.47	-4,048.6	-112.7	888.3	804.2	84.14	10.557	
13,400.0	9,415.9	13,312.9	9,392.3	49.5	36.6	88.48	-4,148.6	-112.8	888.3	802.7	85.61	10.376	
13,500.0	9,415.6	13,412.9	9,392.0	50.1	37.5	88.48	-4,248.6	-112.8	888.3	801.2	87.08	10.201	
13,600.0	9,415.3	13,512.9	9,391.8	50.7	38.3	88.48	-4,348.6	-112.9	888.3	799.7	88.56	10.030	
13,700.0	9,415.0	13,612.9	9,391.5	51.4	39.1	88.48	-4,448.6	-112.9	888.3	798.3	90.05	9.864	
13,800.0	9,414.7	13,712.9	9,391.2	52.0	40.0	88.48	-4,548.6	-113.0	888.3	796.8	91.55	9.703	
13,900.0	9,414.4	13,812.9	9,391.0	52.7	40.8	88.49	-4,648.6	-113.0	888.3	795.3	93.05	9.547	

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 #704H
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 #704H	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 #705H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8829-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	
14,000.0	9,414.1	13,912.9	9,390.7	53.3	41.7	88.49	-4,748.6	-113.1	888.3	793.7	94.56	9.394	
14,100.0	9,413.8	14,012.9	9,390.4	54.0	42.5	88.49	-4,848.6	-113.1	888.3	792.2	96.07	9.246	
14,200.0	9,413.5	14,112.9	9,390.2	54.7	43.4	88.49	-4,948.6	-113.2	888.3	790.7	97.59	9.102	
14,300.0	9,413.2	14,212.9	9,389.9	55.3	44.2	88.50	-5,048.6	-113.2	888.3	789.2	99.12	8.962	
14,400.0	9,412.9	14,312.9	9,389.6	56.0	45.1	88.50	-5,148.6	-113.3	888.3	787.7	100.65	8.826	
14,500.0	9,412.6	14,412.9	9,389.4	56.7	45.9	88.50	-5,248.6	-113.3	888.3	786.1	102.18	8.693	
14,600.0	9,412.3	14,512.9	9,389.1	57.4	46.8	88.50	-5,348.6	-113.4	888.3	784.6	103.73	8.564	
14,700.0	9,412.0	14,612.9	9,388.8	58.1	47.6	88.51	-5,448.6	-113.4	888.3	783.0	105.27	8.438	
14,800.0	9,411.7	14,712.9	9,388.5	58.8	48.5	88.51	-5,548.6	-113.5	888.3	781.5	106.82	8.316	
14,900.0	9,411.4	14,812.9	9,388.3	59.5	49.3	88.51	-5,648.6	-113.5	888.3	779.9	108.38	8.196	
15,000.0	9,411.0	14,912.9	9,388.0	60.2	50.2	88.51	-5,748.6	-113.6	888.3	778.4	109.94	8.080	
15,100.0	9,410.7	15,012.9	9,387.7	60.9	51.0	88.52	-5,848.6	-113.6	888.3	776.8	111.50	7.966	
15,200.0	9,410.4	15,112.9	9,387.5	61.6	51.9	88.52	-5,948.6	-113.7	888.3	775.2	113.07	7.856	
15,300.0	9,410.1	15,212.9	9,387.2	62.3	52.7	88.52	-6,048.6	-113.7	888.3	773.6	114.64	7.748	
15,400.0	9,409.8	15,312.9	9,386.9	63.0	53.6	88.52	-6,148.6	-113.8	888.3	772.1	116.22	7.643	
15,500.0	9,409.5	15,412.9	9,386.7	63.8	54.4	88.53	-6,248.6	-113.8	888.3	770.5	117.80	7.541	
15,600.0	9,409.2	15,512.9	9,386.4	64.5	55.3	88.53	-6,348.6	-113.8	888.3	768.9	119.38	7.441	
15,700.0	9,408.9	15,612.9	9,386.1	65.2	56.1	88.53	-6,448.6	-113.9	888.3	767.3	120.97	7.343	
15,800.0	9,408.6	15,712.9	9,385.9	66.0	57.0	88.53	-6,548.6	-113.9	888.3	765.7	122.56	7.248	
15,900.0	9,408.3	15,812.9	9,385.6	66.7	57.9	88.54	-6,648.6	-114.0	888.3	764.1	124.15	7.155	
16,000.0	9,408.0	15,912.9	9,385.3	67.4	58.7	88.54	-6,748.6	-114.0	888.3	762.5	125.75	7.064	
16,100.0	9,407.7	16,012.9	9,385.1	68.2	59.6	88.54	-6,848.6	-114.1	888.3	760.9	127.35	6.975	
16,200.0	9,407.4	16,112.9	9,384.8	68.9	60.4	88.54	-6,948.6	-114.1	888.3	759.3	128.95	6.889	
16,300.0	9,407.1	16,212.9	9,384.5	69.7	61.3	88.55	-7,048.6	-114.2	888.3	757.7	130.55	6.804	
16,400.0	9,406.8	16,312.9	9,384.3	70.4	62.1	88.55	-7,148.6	-114.2	888.3	756.1	132.16	6.721	
16,500.0	9,406.5	16,412.9	9,384.0	71.2	63.0	88.55	-7,248.6	-114.3	888.3	754.5	133.77	6.640	
16,600.0	9,406.2	16,512.9	9,383.7	71.9	63.8	88.55	-7,348.6	-114.3	888.3	752.9	135.38	6.561	
16,700.0	9,405.8	16,612.9	9,383.5	72.7	64.7	88.56	-7,448.6	-114.4	888.3	751.3	137.00	6.484	
16,800.0	9,405.5	16,712.9	9,383.2	73.4	65.5	88.56	-7,548.6	-114.4	888.3	749.7	138.62	6.408	
16,900.0	9,405.2	16,812.9	9,382.9	74.2	66.4	88.56	-7,648.6	-114.5	888.3	748.0	140.24	6.334	
17,000.0	9,404.9	16,912.9	9,382.6	75.0	67.2	88.56	-7,748.6	-114.5	888.3	746.4	141.86	6.262	
17,100.0	9,404.6	17,012.9	9,382.4	75.7	68.1	88.57	-7,848.6	-114.6	888.3	744.8	143.48	6.191	
17,200.0	9,404.3	17,112.9	9,382.1	76.5	69.0	88.57	-7,948.6	-114.6	888.3	743.2	145.11	6.122	
17,300.0	9,404.0	17,212.9	9,381.8	77.3	69.8	88.57	-8,048.6	-114.7	888.3	741.5	146.73	6.054	
17,400.0	9,403.7	17,312.9	9,381.6	78.1	70.7	88.57	-8,148.6	-114.7	888.3	739.9	148.36	5.987	
17,500.0	9,403.4	17,412.9	9,381.3	78.8	71.5	88.57	-8,248.6	-114.8	888.3	738.3	150.00	5.922	
17,600.0	9,403.1	17,512.9	9,381.0	79.6	72.4	88.58	-8,348.6	-114.8	888.3	736.6	151.63	5.858	
17,700.0	9,402.8	17,612.9	9,380.8	80.4	73.2	88.58	-8,448.6	-114.9	888.3	735.0	153.26	5.796	
17,725.8	9,402.7	17,638.7	9,380.7	80.6	73.5	88.58	-8,474.4	-114.9	888.3	734.6	153.69	5.780	
17,729.3	9,402.7	17,640.0	9,380.7	80.6	73.5	88.58	-8,475.7	-114.9	888.3	734.6	153.71	5.779	
17,783.8	9,402.5	17,679.8	9,380.6	81.0	73.8	88.59	-8,515.5	-115.5	888.5	734.1	154.38	5.755	
17,800.0	9,402.5	17,696.1	9,380.5	81.2	73.9	88.59	-8,531.8	-115.8	888.5	733.9	154.64	5.745	
17,900.0	9,402.2	17,796.1	9,380.3	81.9	74.8	88.59	-8,631.7	-117.7	888.5	732.2	156.28	5.685	
18,000.0	9,401.9	17,896.1	9,380.0	82.7	75.7	88.59	-8,731.7	-119.7	888.5	730.6	157.91	5.626	
18,100.0	9,401.6	17,996.1	9,379.7	83.5	76.5	88.59	-8,831.7	-121.6	888.5	728.9	159.55	5.569	
18,200.0	9,401.3	18,096.1	9,379.5	84.3	77.4	88.60	-8,931.7	-123.6	888.5	727.3	161.19	5.512	
18,300.0	9,400.9	18,196.1	9,379.2	85.1	78.2	88.60	-9,031.7	-125.5	888.5	725.6	162.83	5.456	
18,400.0	9,400.6	18,296.1	9,378.9	85.8	79.1	88.60	-9,131.6	-127.5	888.5	724.0	164.48	5.402	
18,500.0	9,400.3	18,396.1	9,378.7	86.6	79.9	88.60	-9,231.6	-129.4	888.4	722.3	166.12	5.348	
18,600.0	9,400.0	18,496.1	9,378.4	87.4	80.8	88.61	-9,331.6	-131.3	888.4	720.7	167.76	5.296	
18,700.0	9,399.7	18,596.1	9,378.1	88.2	81.6	88.61	-9,431.6	-133.3	888.4	719.0	169.41	5.244	
18,800.0	9,399.4	18,696.1	9,377.9	89.0	82.5	88.61	-9,531.6	-135.2	888.4	717.4	171.06	5.194	

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 #704H
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 #704H	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 #705H - OWB - PWP2												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8829-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	
18,900.0	9,399.1	18,796.1	9,377.6	89.8	83.3	88.61	-9,631.5	-137.2	888.4	715.7	172.71	5.144	
19,000.0	9,398.8	18,896.1	9,377.3	90.6	84.2	88.62	-9,731.5	-139.1	888.4	714.1	174.36	5.095	
19,100.0	9,398.5	18,996.1	9,377.1	91.4	85.1	88.62	-9,831.5	-141.1	888.4	712.4	176.01	5.047	
19,200.0	9,398.2	19,096.1	9,376.8	92.2	85.9	88.62	-9,931.5	-143.0	888.4	710.7	177.66	5.000	
19,300.0	9,397.9	19,196.1	9,376.5	93.0	86.8	88.62	-10,031.5	-145.0	888.4	709.1	179.32	4.954	
19,400.0	9,397.6	19,296.1	9,376.3	93.8	87.6	88.63	-10,131.4	-146.9	888.4	707.4	180.97	4.909	
19,500.0	9,397.3	19,396.1	9,376.0	94.6	88.5	88.63	-10,231.4	-148.8	888.4	705.8	182.63	4.864	
19,600.0	9,396.9	19,496.1	9,375.7	95.4	89.3	88.63	-10,331.4	-150.8	888.4	704.1	184.29	4.821	
19,700.0	9,396.6	19,596.1	9,375.5	96.2	90.2	88.63	-10,431.4	-152.7	888.4	702.4	185.94	4.778	
19,800.0	9,396.3	19,696.1	9,375.2	97.0	91.0	88.64	-10,531.4	-154.7	888.4	700.8	187.60	4.735	
19,900.0	9,396.0	19,796.1	9,374.9	97.8	91.9	88.64	-10,631.3	-156.6	888.4	699.1	189.26	4.694	
20,000.0	9,395.7	19,896.1	9,374.6	98.6	92.8	88.64	-10,731.3	-158.6	888.3	697.4	190.92	4.653	
20,100.0	9,395.4	19,996.1	9,374.4	99.4	93.6	88.64	-10,831.3	-160.5	888.3	695.8	192.59	4.613	
20,200.0	9,395.1	20,096.1	9,374.1	100.2	94.5	88.65	-10,931.3	-162.5	888.3	694.1	194.25	4.573	
20,300.0	9,394.8	20,196.1	9,373.8	101.0	95.3	88.65	-11,031.3	-164.4	888.3	692.4	195.91	4.534	
20,400.0	9,394.5	20,296.1	9,373.6	101.8	96.2	88.65	-11,131.3	-166.3	888.3	690.7	197.58	4.496	
20,500.0	9,394.2	20,396.1	9,373.3	102.6	97.0	88.65	-11,231.2	-168.3	888.3	689.1	199.24	4.458	
20,600.0	9,393.9	20,496.1	9,373.0	103.4	97.9	88.66	-11,331.2	-170.2	888.3	687.4	200.91	4.421	
20,700.0	9,393.6	20,596.1	9,372.8	104.2	98.7	88.66	-11,431.2	-172.2	888.3	685.7	202.58	4.385	
20,800.0	9,393.3	20,696.1	9,372.5	105.0	99.6	88.66	-11,531.2	-174.1	888.3	684.0	204.25	4.349	
20,900.0	9,392.9	20,796.1	9,372.2	105.8	100.5	88.66	-11,631.2	-176.1	888.3	682.4	205.91	4.314	
21,000.0	9,392.6	20,896.1	9,372.0	106.6	101.3	88.67	-11,731.1	-178.0	888.3	680.7	207.58	4.279	
21,100.0	9,392.3	20,996.1	9,371.7	107.5	102.2	88.67	-11,831.1	-180.0	888.3	679.0	209.25	4.245	
21,200.0	9,392.0	21,096.1	9,371.4	108.3	103.0	88.67	-11,931.1	-181.9	888.3	677.3	210.93	4.211	
21,300.0	9,391.7	21,196.1	9,371.2	109.1	103.9	88.67	-12,031.1	-183.8	888.3	675.7	212.60	4.178	
21,400.0	9,391.4	21,296.1	9,370.9	109.9	104.7	88.68	-12,131.1	-185.8	888.2	674.0	214.27	4.145	
21,500.0	9,391.1	21,396.1	9,370.6	110.7	105.6	88.68	-12,231.0	-187.7	888.2	672.3	215.94	4.113	
21,600.0	9,390.8	21,496.1	9,370.4	111.5	106.4	88.68	-12,331.0	-189.7	888.2	670.6	217.62	4.082	
21,700.0	9,390.5	21,596.1	9,370.1	112.3	107.3	88.68	-12,431.0	-191.6	888.2	668.9	219.29	4.050	
21,800.0	9,390.2	21,696.1	9,369.8	113.2	108.2	88.69	-12,531.0	-193.6	888.2	667.3	220.97	4.020	
21,900.0	9,389.9	21,796.1	9,369.5	114.0	109.0	88.69	-12,631.0	-195.5	888.2	665.6	222.64	3.989	
22,000.0	9,389.6	21,896.1	9,369.3	114.8	109.9	88.69	-12,730.9	-197.5	888.2	663.9	224.32	3.960	
22,100.0	9,389.3	21,996.1	9,369.0	115.6	110.7	88.69	-12,830.9	-199.4	888.2	662.2	225.99	3.930	
22,200.0	9,389.0	22,096.1	9,368.7	116.4	111.6	88.70	-12,930.9	-201.3	888.2	660.5	227.67	3.901	
22,300.0	9,388.6	22,196.1	9,368.5	117.3	112.4	88.70	-13,030.9	-203.3	888.2	658.8	229.35	3.873	
22,400.0	9,388.3	22,296.1	9,368.2	118.1	113.3	88.70	-13,130.9	-205.2	888.2	657.2	231.03	3.844	
22,500.0	9,388.0	22,396.1	9,367.9	118.9	114.2	88.70	-13,230.8	-207.2	888.2	655.5	232.71	3.817	
22,600.0	9,387.7	22,496.1	9,367.7	119.7	115.0	88.71	-13,330.8	-209.1	888.2	653.8	234.39	3.789	
22,700.0	9,387.4	22,596.1	9,367.4	120.5	115.9	88.71	-13,430.8	-211.1	888.2	652.1	236.07	3.762	
22,800.0	9,387.1	22,696.1	9,367.1	121.4	116.7	88.71	-13,530.8	-213.0	888.2	650.4	237.75	3.736	
22,834.6	9,387.0	22,730.7	9,367.0	121.6	117.0	88.71	-13,565.4	-213.7	888.2	649.8	238.33	3.727	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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	-90.06	-0.1	-60.0	60.0				
100.0	100.0	100.0	100.0	3.0	3.0	-90.06	-0.1	-60.0	60.0	54.0	6.00	9.994	
200.0	200.0	200.0	200.0	3.0	3.0	-90.06	-0.1	-60.0	60.0	53.9	6.04	9.932	
300.0	300.0	300.0	300.0	3.1	3.0	-90.06	-0.1	-60.0	60.0	53.9	6.12	9.801	
400.0	400.0	400.0	400.0	3.2	3.0	-90.06	-0.1	-60.0	60.0	53.7	6.24	9.613	
500.0	500.0	500.0	500.0	3.4	3.1	-90.06	-0.1	-60.0	60.0	53.6	6.40	9.379	
600.0	600.0	600.0	600.0	3.6	3.1	-90.06	-0.1	-60.0	60.0	53.4	6.58	9.112	
700.0	700.0	700.0	700.0	3.8	3.1	-90.06	-0.1	-60.0	60.0	53.2	6.80	8.824	
800.0	800.0	800.0	800.0	4.0	3.2	-90.06	-0.1	-60.0	60.0	53.0	7.04	8.526	
900.0	900.0	900.0	900.0	4.2	3.2	-90.06	-0.1	-60.0	60.0	52.7	7.29	8.225	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	-90.06	-0.1	-60.0	60.0	52.4	7.57	7.926	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	-90.06	-0.1	-60.0	60.0	52.1	7.86	7.635	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	-90.06	-0.1	-60.0	60.0	51.8	8.16	7.354	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	-90.06	-0.1	-60.0	60.0	51.5	8.47	7.083	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	-90.06	-0.1	-60.0	60.0	51.2	8.79	6.825	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	-90.06	-0.1	-60.0	60.0	50.9	9.12	6.579	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	-90.06	-0.1	-60.0	60.0	50.5	9.45	6.346	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	-90.06	-0.1	-60.0	60.0	50.2	9.79	6.125	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	-90.06	-0.1	-60.0	60.0	49.8	10.14	5.916	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	-90.06	-0.1	-60.0	60.0	49.5	10.49	5.718	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	-90.06	-0.1	-60.0	60.0	49.1	10.85	5.530	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	-90.06	-0.1	-60.0	60.0	48.8	11.21	5.353	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	-90.06	-0.1	-60.0	60.0	48.4	11.57	5.185	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	-90.06	-0.1	-60.0	60.0	48.1	11.94	5.026	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	-90.06	-0.1	-60.0	60.0	47.7	12.31	4.875	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	-90.06	-0.1	-60.0	60.0	47.3	12.68	4.732 CC, ES, SF	
2,600.0	2,600.0	2,597.9	2,597.9	9.6	4.4	-178.02	-0.4	-61.6	63.4	50.4	13.04	4.862	
2,700.0	2,699.8	2,695.1	2,694.9	9.9	4.5	-179.00	-1.6	-66.5	73.6	60.2	13.39	5.500	
2,749.9	2,749.6	2,743.1	2,742.8	10.1	4.5	-179.57	-2.4	-70.0	81.2	67.7	13.56	5.993	
2,800.0	2,799.5	2,791.0	2,790.5	10.2	4.5	179.86	-3.4	-74.4	90.2	76.4	13.72	6.570	
2,900.0	2,899.1	2,885.7	2,884.5	10.5	4.5	178.80	-5.9	-85.2	110.4	96.3	14.05	7.857	
3,000.0	2,998.7	2,982.6	2,980.5	10.9	4.5	177.91	-8.9	-98.4	132.7	118.3	14.41	9.209	
3,100.0	3,098.4	3,080.0	3,077.0	11.2	4.6	177.26	-12.0	-111.6	155.0	140.2	14.78	10.491	
3,200.0	3,198.0	3,177.5	3,173.5	11.6	4.6	176.78	-15.0	-124.8	177.4	162.2	15.15	11.708	
3,300.0	3,297.6	3,274.9	3,270.0	11.9	4.6	176.41	-18.1	-138.0	199.7	184.2	15.53	12.862	
3,400.0	3,397.2	3,372.4	3,366.5	12.2	4.7	176.11	-21.1	-151.2	222.1	206.2	15.91	13.958	
3,500.0	3,496.8	3,469.9	3,463.0	12.6	4.7	175.87	-24.2	-164.4	244.5	228.2	16.30	14.998	
3,600.0	3,596.5	3,567.3	3,559.5	12.9	4.8	175.67	-27.2	-177.6	266.9	250.2	16.70	15.986	
3,700.0	3,696.1	3,664.8	3,656.0	13.3	4.8	175.50	-30.3	-190.9	289.3	272.2	17.09	16.924	
3,800.0	3,795.7	3,762.2	3,752.5	13.6	4.9	175.35	-33.3	-204.1	311.7	294.2	17.49	17.816	
3,900.0	3,895.3	3,859.7	3,849.1	14.0	4.9	175.22	-36.4	-217.3	334.1	316.2	17.90	18.664	
4,000.0	3,994.9	3,957.2	3,945.6	14.3	5.0	175.11	-39.4	-230.5	356.5	338.1	18.31	19.471	
4,100.0	4,094.6	4,054.6	4,042.1	14.6	5.1	175.02	-42.5	-243.7	378.8	360.1	18.72	20.239	
4,200.0	4,194.2	4,152.1	4,138.6	15.0	5.1	174.93	-45.5	-256.9	401.2	382.1	19.13	20.971	
4,300.0	4,293.8	4,249.5	4,235.1	15.3	5.2	174.85	-48.6	-270.2	423.6	404.1	19.55	21.668	
4,400.0	4,393.4	4,347.0	4,331.6	15.7	5.3	174.78	-51.6	-283.4	446.0	426.1	19.97	22.333	
4,500.0	4,493.0	4,444.4	4,428.1	16.0	5.4	174.72	-54.7	-296.6	468.4	448.0	20.40	22.968	
4,600.0	4,592.6	4,541.9	4,524.6	16.4	5.5	174.66	-57.7	-309.8	490.8	470.0	20.82	23.574	
4,700.0	4,692.3	4,639.4	4,621.1	16.7	5.5	174.61	-60.8	-323.0	513.2	492.0	21.25	24.152	
4,800.0	4,791.9	4,736.8	4,717.6	17.1	5.6	174.56	-63.8	-336.2	535.6	513.9	21.68	24.706	
4,900.0	4,891.5	4,834.3	4,814.2	17.5	5.7	174.52	-66.9	-349.5	558.0	535.9	22.11	25.235	
5,000.0	4,991.1	4,931.7	4,910.7	17.8	5.8	174.48	-69.9	-362.7	580.4	557.9	22.55	25.741	

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 #704H
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 #704H	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
5,100.0	5,090.7	5,029.2	5,007.2	18.2	5.9	174.44	-73.0	-375.9	602.8	579.8	22.99	26.226	
5,200.0	5,190.4	5,126.7	5,103.7	18.5	6.0	174.40	-76.0	-389.1	625.2	601.8	23.42	26.691	
5,300.0	5,290.0	5,224.1	5,200.2	18.9	6.1	174.37	-79.1	-402.3	647.6	623.8	23.86	27.137	
5,400.0	5,389.6	5,321.6	5,296.7	19.2	6.2	174.34	-82.1	-415.5	670.0	645.7	24.31	27.564	
5,500.0	5,489.2	5,419.0	5,393.2	19.6	6.3	174.31	-85.2	-428.8	692.4	667.7	24.75	27.975	
5,600.0	5,588.8	5,516.5	5,489.7	19.9	6.4	174.29	-88.2	-442.0	714.8	689.6	25.20	28.369	
5,700.0	5,688.5	5,613.9	5,586.2	20.3	6.5	174.26	-91.3	-455.2	737.2	711.6	25.64	28.748	
5,800.0	5,788.1	5,711.4	5,682.7	20.6	6.6	174.24	-94.3	-468.4	759.6	733.5	26.09	29.113	
5,900.0	5,887.7	5,808.9	5,779.3	21.0	6.7	174.21	-97.4	-481.6	782.0	755.5	26.54	29.464	
6,000.0	5,987.3	5,906.3	5,875.8	21.4	6.8	174.19	-100.5	-494.8	804.4	777.4	26.99	29.801	
6,100.0	6,086.9	6,003.8	5,972.3	21.7	6.9	174.17	-103.5	-508.0	826.8	799.4	27.44	30.127	
6,200.0	6,186.6	6,101.2	6,068.8	22.1	7.0	174.15	-106.6	-521.3	849.2	821.3	27.90	30.440	
6,300.0	6,286.2	6,198.7	6,165.3	22.4	7.1	174.14	-109.6	-534.5	871.6	843.3	28.35	30.742	
6,400.0	6,385.8	6,296.2	6,261.8	22.8	7.2	174.12	-112.7	-547.7	894.0	865.2	28.81	31.034	
6,500.0	6,485.4	6,393.6	6,358.3	23.1	7.3	174.10	-115.7	-560.9	916.4	887.2	29.26	31.315	
6,600.0	6,585.0	6,491.1	6,454.8	23.5	7.4	174.09	-118.8	-574.1	938.8	909.1	29.72	31.587	
6,700.0	6,684.7	6,588.5	6,551.3	23.9	7.6	174.07	-121.8	-587.3	961.2	931.0	30.18	31.850	
6,800.0	6,784.3	6,686.0	6,647.8	24.2	7.7	174.06	-124.9	-600.6	983.6	953.0	30.64	32.103	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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 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	-160.99	-780.9	-269.0	826.0				
100.0	100.0	108.0	108.0	3.0	3.0	-160.99	-780.9	-269.0	826.0	820.0	6.00	137.589	
200.0	200.0	208.0	208.0	3.0	3.0	-160.99	-780.9	-269.0	826.0	819.9	6.04	136.653	
300.0	300.0	308.0	308.0	3.1	3.0	-160.99	-780.9	-269.0	826.0	819.8	6.13	134.702	
400.0	400.0	408.0	408.0	3.2	3.0	-160.99	-780.9	-269.0	826.0	819.7	6.26	131.885	
500.0	500.0	508.0	508.0	3.4	3.1	-160.99	-780.9	-269.0	826.0	819.5	6.43	128.392	
600.0	600.0	608.0	608.0	3.6	3.1	-160.99	-780.9	-269.0	826.0	819.3	6.64	124.420	
700.0	700.0	708.0	708.0	3.8	3.1	-160.99	-780.9	-269.0	826.0	819.1	6.87	120.149	
800.0	800.0	808.0	808.0	4.0	3.2	-160.99	-780.9	-269.0	826.0	818.8	7.14	115.730	
900.0	900.0	908.0	908.0	4.2	3.2	-160.99	-780.9	-269.0	826.0	818.5	7.42	111.281	
1,000.0	1,000.0	1,008.0	1,008.0	4.5	3.2	-160.99	-780.9	-269.0	826.0	818.2	7.73	106.888	
1,100.0	1,100.0	1,108.0	1,108.0	4.8	3.3	-160.99	-780.9	-269.0	826.0	817.9	8.05	102.610	
1,200.0	1,200.0	1,208.0	1,208.0	5.1	3.4	-160.99	-780.9	-269.0	826.0	817.6	8.39	98.489	
1,300.0	1,300.0	1,308.0	1,308.0	5.3	3.4	-160.99	-780.9	-269.0	826.0	817.2	8.74	94.546	
1,400.0	1,400.0	1,408.0	1,408.0	5.6	3.5	-160.99	-780.9	-269.0	826.0	816.9	9.10	90.793	
1,500.0	1,500.0	1,508.0	1,508.0	6.0	3.6	-160.99	-780.9	-269.0	826.0	816.5	9.47	87.235	
1,600.0	1,600.0	1,608.0	1,608.0	6.3	3.6	-160.99	-780.9	-269.0	826.0	816.1	9.85	83.871	
1,700.0	1,700.0	1,708.0	1,708.0	6.6	3.7	-160.99	-780.9	-269.0	826.0	815.7	10.24	80.694	
1,800.0	1,800.0	1,808.0	1,808.0	6.9	3.8	-160.99	-780.9	-269.0	826.0	815.3	10.63	77.698	
1,900.0	1,900.0	1,908.0	1,908.0	7.2	3.9	-160.99	-780.9	-269.0	826.0	814.9	11.03	74.873	
2,000.0	2,000.0	2,008.0	2,008.0	7.6	3.9	-160.99	-780.9	-269.0	826.0	814.5	11.44	72.211	
2,100.0	2,100.0	2,108.0	2,108.0	7.9	4.0	-160.99	-780.9	-269.0	826.0	814.1	11.85	69.701	
2,200.0	2,200.0	2,208.0	2,208.0	8.2	4.1	-160.99	-780.9	-269.0	826.0	813.7	12.27	67.334	
2,300.0	2,300.0	2,308.0	2,308.0	8.6	4.2	-160.99	-780.9	-269.0	826.0	813.3	12.69	65.100	
2,400.0	2,400.0	2,408.0	2,408.0	8.9	4.3	-160.99	-780.9	-269.0	826.0	812.9	13.11	62.991	
2,500.0	2,500.0	2,508.0	2,508.0	9.2	4.4	-160.99	-780.9	-269.0	826.0	812.4	13.54	60.999	
2,600.0	2,600.0	2,608.0	2,608.0	9.6	4.5	111.54	-780.9	-269.0	826.6	812.6	13.96	59.199	
2,700.0	2,699.8	2,707.8	2,707.8	9.9	4.6	111.84	-780.9	-269.0	828.5	814.2	14.38	57.620	
2,749.9	2,749.6	2,757.6	2,757.6	10.1	4.6	112.07	-780.9	-269.0	830.0	815.4	14.59	56.898	
2,800.0	2,799.5	2,807.5	2,807.5	10.2	4.7	112.34	-780.9	-269.0	831.7	816.9	14.80	56.204	
2,900.0	2,899.1	2,907.1	2,907.1	10.5	4.8	112.90	-780.9	-269.0	835.0	819.8	15.22	54.874	
3,000.0	2,998.7	3,006.7	3,006.7	10.9	4.9	113.44	-780.9	-269.0	838.5	822.8	15.64	53.610	
3,100.0	3,098.4	3,106.4	3,106.4	11.2	5.0	113.98	-780.9	-269.0	842.0	825.9	16.07	52.410	
3,200.0	3,198.0	3,206.0	3,206.0	11.6	5.1	114.52	-780.9	-269.0	845.6	829.1	16.49	51.269	
3,300.0	3,297.6	3,305.6	3,305.6	11.9	5.2	115.06	-780.9	-269.0	849.2	832.3	16.92	50.185	
3,400.0	3,397.2	3,405.2	3,405.2	12.2	5.3	115.58	-780.9	-269.0	853.0	835.6	17.35	49.154	
3,500.0	3,496.8	3,504.8	3,504.8	12.6	5.4	116.11	-780.9	-269.0	856.8	839.0	17.79	48.173	
3,600.0	3,596.5	3,604.5	3,604.5	12.9	5.5	116.63	-780.9	-269.0	860.7	842.4	18.22	47.239	
3,700.0	3,696.1	3,704.1	3,704.1	13.3	5.7	117.14	-780.9	-269.0	864.6	846.0	18.65	46.349	
3,800.0	3,795.7	3,803.7	3,803.7	13.6	5.8	117.65	-780.9	-269.0	868.6	849.5	19.09	45.500	
3,900.0	3,895.3	3,903.3	3,903.3	14.0	5.9	118.16	-780.9	-269.0	872.7	853.2	19.53	44.691	
4,000.0	3,994.9	4,002.9	4,002.9	14.3	6.0	118.66	-780.9	-269.0	876.9	856.9	19.97	43.919	
4,100.0	4,094.6	4,102.6	4,102.6	14.6	6.1	119.15	-780.9	-269.0	881.1	860.7	20.40	43.182	
4,200.0	4,194.2	4,202.2	4,202.2	15.0	6.2	119.64	-780.9	-269.0	885.4	864.5	20.84	42.477	
4,300.0	4,293.8	4,301.8	4,301.8	15.3	6.3	120.13	-780.9	-269.0	889.7	868.5	21.28	41.804	
4,400.0	4,393.4	4,401.4	4,401.4	15.7	6.5	120.61	-780.9	-269.0	894.2	872.4	21.72	41.160	
4,500.0	4,493.0	4,501.0	4,501.0	16.0	6.6	121.09	-780.9	-269.0	898.6	876.5	22.16	40.544	
4,600.0	4,592.6	4,600.6	4,600.6	16.4	6.7	121.56	-780.9	-269.0	903.2	880.6	22.61	39.953	
4,700.0	4,692.3	4,700.3	4,700.3	16.7	6.8	122.03	-780.9	-269.0	907.8	884.7	23.05	39.388	
4,800.0	4,791.9	4,799.9	4,799.9	17.1	6.9	122.49	-780.9	-269.0	912.4	889.0	23.49	38.846	
4,900.0	4,891.5	4,899.5	4,899.5	17.5	7.0	122.95	-780.9	-269.0	917.2	893.2	23.93	38.326	
5,000.0	4,991.1	4,999.1	4,999.1	17.8	7.2	123.40	-780.9	-269.0	921.9	897.6	24.37	37.827	

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 #704H
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 #704H	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
5,100.0	5,090.7	5,098.7	5,098.7	18.2	7.3	123.85	-780.9	-269.0	926.8	902.0	24.81	37.349	
5,200.0	5,190.4	5,198.4	5,198.4	18.5	7.4	124.29	-780.9	-269.0	931.7	906.4	25.26	36.889	
5,300.0	5,290.0	5,298.0	5,298.0	18.9	7.5	124.73	-780.9	-269.0	936.6	910.9	25.70	36.447	
5,400.0	5,389.6	5,397.6	5,397.6	19.2	7.6	125.17	-780.9	-269.0	941.6	915.5	26.14	36.022	
5,500.0	5,489.2	5,497.2	5,497.2	19.6	7.8	125.60	-780.9	-269.0	946.7	920.1	26.58	35.613	
5,600.0	5,588.8	5,611.7	5,611.7	19.9	7.8	125.96	-781.3	-266.8	951.0	924.0	27.03	35.188	
5,700.0	5,688.5	5,727.0	5,726.8	20.3	7.9	126.08	-782.5	-260.1	953.8	926.3	27.46	34.730	
5,800.0	5,788.1	5,830.1	5,829.5	20.6	7.9	126.02	-784.0	-251.4	955.5	927.6	27.89	34.254	
5,900.0	5,887.7	5,930.1	5,929.1	21.0	7.9	125.97	-785.6	-242.8	957.1	928.8	28.32	33.793	
6,000.0	5,987.3	6,030.1	6,028.7	21.4	7.9	125.91	-787.1	-234.2	958.7	930.0	28.75	33.346	
6,100.0	6,086.9	6,130.0	6,128.3	21.7	8.0	125.86	-788.6	-225.6	960.4	931.2	29.18	32.911	
6,200.0	6,186.6	6,230.0	6,227.9	22.1	8.0	125.80	-790.1	-217.0	962.0	932.4	29.61	32.488	
6,300.0	6,286.2	6,330.0	6,327.5	22.4	8.0	125.74	-791.6	-208.5	963.7	933.6	30.04	32.077	
6,400.0	6,385.8	6,430.0	6,427.1	22.8	8.1	125.69	-793.1	-199.9	965.3	934.8	30.47	31.677	
6,500.0	6,485.4	6,530.0	6,526.7	23.1	8.1	125.63	-794.6	-191.3	966.9	936.0	30.91	31.287	
6,600.0	6,585.0	6,629.9	6,626.3	23.5	8.2	125.58	-796.2	-182.7	968.6	937.2	31.34	30.908	
6,700.0	6,684.7	6,729.9	6,725.9	23.9	8.2	125.52	-797.7	-174.1	970.2	938.5	31.77	30.538	
6,800.0	6,784.3	6,829.9	6,825.5	24.2	8.3	125.47	-799.2	-165.6	971.9	939.7	32.20	30.178	
6,900.0	6,883.9	6,929.9	6,925.1	24.6	8.3	125.41	-800.7	-157.0	973.5	940.9	32.64	29.828	
7,000.0	6,983.5	7,029.9	7,024.7	24.9	8.4	125.36	-802.2	-148.4	975.2	942.1	33.07	29.486	
7,100.0	7,083.1	7,129.9	7,124.3	25.3	8.4	125.31	-803.7	-139.8	976.8	943.3	33.51	29.152	
7,200.0	7,182.8	7,229.8	7,223.9	25.6	8.5	125.25	-805.2	-131.2	978.5	944.5	33.94	28.826	
7,300.0	7,282.4	7,329.8	7,323.5	26.0	8.5	125.20	-806.7	-122.6	980.1	945.7	34.38	28.509	
7,400.0	7,382.0	7,429.8	7,423.1	26.4	8.6	125.14	-808.3	-114.1	981.8	946.9	34.82	28.199	
7,500.0	7,481.6	7,529.8	7,522.7	26.7	8.6	125.09	-809.8	-105.5	983.4	948.2	35.25	27.896	
7,600.0	7,581.2	7,629.8	7,622.3	27.1	8.7	125.04	-811.3	-96.9	985.1	949.4	35.69	27.601	
7,700.0	7,680.9	7,729.7	7,721.9	27.4	8.8	124.98	-812.8	-88.3	986.7	950.6	36.13	27.311	
7,800.0	7,780.5	7,829.7	7,821.5	27.8	8.8	124.93	-814.3	-79.7	988.4	951.8	36.57	27.029	
7,900.0	7,880.1	7,929.7	7,921.1	28.2	8.9	124.88	-815.8	-71.2	990.0	953.0	37.01	26.753	
8,000.0	7,979.7	8,029.7	8,020.7	28.5	9.0	124.83	-817.3	-62.6	991.7	954.2	37.45	26.483	
8,100.0	8,079.3	8,129.7	8,120.3	28.9	9.0	124.77	-818.8	-54.0	993.3	955.4	37.89	26.219	
8,200.0	8,179.0	8,229.7	8,219.9	29.2	9.1	124.72	-820.4	-45.4	995.0	956.7	38.33	25.961	
8,300.0	8,278.6	8,329.6	8,319.5	29.6	9.2	124.67	-821.9	-36.8	996.6	957.9	38.77	25.708	
8,400.0	8,378.2	10,026.0	9,292.5	30.0	11.0	-173.99	33.6	439.4	908.6	876.0	32.64	27.840	
8,500.0	8,477.8	10,029.8	9,292.5	30.3	11.0	-172.49	37.2	440.6	810.0	777.0	32.99	24.553	
8,600.0	8,577.4	10,033.6	9,292.6	30.7	11.1	-170.99	40.8	441.7	711.7	678.3	33.38	21.322	
8,700.0	8,677.1	10,037.4	9,292.6	31.0	11.1	-169.47	44.4	442.9	614.0	580.1	33.84	18.146	
8,800.0	8,776.7	10,041.1	9,292.6	31.4	11.1	-167.95	48.0	444.0	517.1	482.7	34.40	15.031	
8,886.5	8,862.9	10,044.3	9,292.7	31.7	11.1	-166.64	51.1	445.0	434.4	399.3	35.06	12.391	
8,900.0	8,876.3	10,044.7	9,292.7	31.8	11.1	-177.32	51.4	445.1	421.7	386.5	35.18	11.986	
8,950.0	8,925.9	10,043.7	9,292.7	31.9	11.1	160.40	50.5	444.8	375.4	339.7	35.72	10.508	
9,000.0	8,975.1	10,039.0	9,292.6	32.1	11.1	153.44	46.0	443.4	331.4	294.9	36.46	9.090	
9,050.0	9,023.3	10,030.7	9,292.6	32.3	11.1	149.99	38.1	440.8	290.9	253.4	37.45	7.767	
9,100.0	9,070.2	10,018.8	9,292.5	32.5	11.0	146.84	26.8	437.2	255.5	216.8	38.74	6.596	
9,150.0	9,115.5	10,003.7	9,292.3	32.6	10.9	143.07	12.4	432.4	227.6	187.3	40.24	5.656	
9,200.0	9,158.8	9,985.3	9,292.2	32.8	10.8	138.31	-5.0	426.6	209.4	167.7	41.65	5.027	
9,250.0	9,199.9	9,964.0	9,292.0	32.9	10.7	132.39	-25.2	419.6	202.9	160.3	42.63	4.760	
9,251.6	9,201.1	9,963.3	9,292.0	32.9	10.7	132.18	-25.8	419.4	202.9	160.3	42.65	4.757 CC, ES, SF	
9,300.0	9,238.3	9,940.0	9,291.8	33.1	10.6	125.30	-47.8	411.6	208.3	165.2	43.11	4.833	
9,350.0	9,273.8	9,913.5	9,291.5	33.2	10.5	117.26	-72.7	402.6	223.8	180.5	43.27	5.173	
9,400.0	9,306.1	9,884.9	9,291.3	33.3	10.5	108.70	-99.5	392.6	246.5	203.3	43.25	5.699	
9,450.0	9,335.0	9,854.4	9,291.0	33.5	10.4	100.24	-127.9	381.6	273.7	230.6	43.14	6.346	

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 #704H
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 #704H	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 Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,500.0	9,360.3	9,822.4	9,290.7	33.6	10.4	92.43	-157.7	369.7	303.5	260.5	42.96	7.064	
9,550.0	9,381.7	9,789.1	9,290.5	33.7	10.4	85.65	-188.4	357.1	334.4	291.6	42.78	7.817	
9,600.0	9,399.1	9,754.9	9,290.2	33.8	10.4	80.03	-219.9	343.7	365.5	322.9	42.61	8.577	
9,650.0	9,412.4	9,720.1	9,289.9	33.9	10.4	75.53	-251.8	329.7	396.3	353.8	42.46	9.333	
9,700.0	9,421.4	9,685.0	9,289.6	34.0	10.3	72.02	-283.8	315.1	426.4	384.1	42.33	10.073	
9,750.0	9,426.2	9,649.8	9,289.3	34.1	10.3	69.33	-315.6	300.2	455.6	413.4	42.22	10.793	
9,781.6	9,427.0	9,624.9	9,289.0	34.2	10.3	68.08	-338.0	289.4	473.6	431.5	42.14	11.238	
9,800.0	9,426.9	9,616.1	9,288.9	34.2	10.3	68.44	-345.9	285.5	484.0	441.9	42.11	11.494	
9,900.0	9,426.6	9,550.0	9,283.5	34.4	10.3	70.09	-404.9	256.3	540.8	499.0	41.89	12.911	
10,000.0	9,426.3	9,500.0	9,274.5	34.6	10.2	70.66	-448.8	234.1	598.3	556.6	41.70	14.346	
10,100.0	9,426.0	9,436.4	9,256.8	34.8	10.2	70.51	-503.1	206.0	656.0	614.5	41.53	15.799	
10,200.0	9,425.7	9,381.5	9,236.3	35.0	10.1	69.93	-548.0	182.2	714.3	672.9	41.39	17.260	
10,246.7	9,425.5	9,350.0	9,222.3	35.1	10.1	69.38	-572.9	168.8	741.8	700.5	41.32	17.952	
10,300.0	9,425.4	9,330.7	9,213.0	35.2	10.0	68.84	-587.7	160.8	773.7	732.4	41.28	18.741	
10,400.0	9,425.1	9,284.9	9,188.7	35.5	10.0	67.45	-621.6	142.0	836.2	795.0	41.22	20.285	
10,500.0	9,424.8	9,250.0	9,168.2	35.7	9.9	66.28	-646.2	128.1	902.0	860.8	41.20	21.895	
10,600.0	9,424.5	9,200.0	9,135.8	36.0	9.8	64.50	-679.2	109.0	971.0	929.8	41.18	23.579	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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
0.0	0.0	8.0	8.0	3.0	3.0	-159.05	-780.9	-298.9	836.2				
100.0	100.0	108.0	108.0	3.0	3.0	-159.05	-780.9	-298.9	836.2	830.2	6.00	139.294	
200.0	200.0	208.0	208.0	3.0	3.0	-159.05	-780.9	-298.9	836.2	830.2	6.04	138.348	
300.0	300.0	308.0	308.0	3.1	3.0	-159.05	-780.9	-298.9	836.2	830.1	6.13	136.377	
400.0	400.0	408.0	408.0	3.2	3.0	-159.05	-780.9	-298.9	836.2	829.9	6.26	133.531	
500.0	500.0	508.0	508.0	3.4	3.1	-159.05	-780.9	-298.9	836.2	829.8	6.43	130.001	
600.0	600.0	608.0	608.0	3.6	3.1	-159.05	-780.9	-298.9	836.2	829.6	6.64	125.986	
700.0	700.0	708.0	708.0	3.8	3.1	-159.05	-780.9	-298.9	836.2	829.3	6.87	121.670	
800.0	800.0	808.0	808.0	4.0	3.2	-159.05	-780.9	-298.9	836.2	829.1	7.13	117.203	
900.0	900.0	908.0	908.0	4.2	3.2	-159.05	-780.9	-298.9	836.2	828.8	7.42	112.705	
1,000.0	1,000.0	1,008.0	1,008.0	4.5	3.2	-159.05	-780.9	-298.9	836.2	828.5	7.72	108.264	
1,100.0	1,100.0	1,108.0	1,108.0	4.8	3.3	-159.05	-780.9	-298.9	836.2	828.2	8.04	103.940	
1,200.0	1,200.0	1,208.0	1,208.0	5.1	3.4	-159.05	-780.9	-298.9	836.2	827.8	8.38	99.772	
1,300.0	1,300.0	1,308.0	1,308.0	5.3	3.4	-159.05	-780.9	-298.9	836.2	827.5	8.73	95.785	
1,400.0	1,400.0	1,408.0	1,408.0	5.6	3.5	-159.05	-780.9	-298.9	836.2	827.1	9.09	91.990	
1,500.0	1,500.0	1,508.0	1,508.0	6.0	3.6	-159.05	-780.9	-298.9	836.2	826.7	9.46	88.391	
1,600.0	1,600.0	1,608.0	1,608.0	6.3	3.6	-159.05	-780.9	-298.9	836.2	826.4	9.84	84.988	
1,700.0	1,700.0	1,708.0	1,708.0	6.6	3.7	-159.05	-780.9	-298.9	836.2	826.0	10.23	81.774	
1,800.0	1,800.0	1,808.0	1,808.0	6.9	3.8	-159.05	-780.9	-298.9	836.2	825.6	10.62	78.743	
1,900.0	1,900.0	1,908.0	1,908.0	7.2	3.9	-159.05	-780.9	-298.9	836.2	825.2	11.02	75.884	
2,000.0	2,000.0	2,008.0	2,008.0	7.6	3.9	-159.05	-780.9	-298.9	836.2	824.8	11.43	73.190	
2,100.0	2,100.0	2,108.0	2,108.0	7.9	4.0	-159.05	-780.9	-298.9	836.2	824.4	11.84	70.650	
2,200.0	2,200.0	2,208.0	2,208.0	8.2	4.1	-159.05	-780.9	-298.9	836.2	823.9	12.25	68.254	
2,300.0	2,300.0	2,308.0	2,308.0	8.6	4.2	-159.05	-780.9	-298.9	836.2	823.5	12.67	65.993	
2,400.0	2,400.0	2,408.0	2,408.0	8.9	4.3	-159.05	-780.9	-298.9	836.2	823.1	13.09	63.858	
2,413.8	2,413.8	2,421.8	2,421.8	8.9	4.3	-159.05	-780.9	-298.9	836.2	823.0	13.15	63.574 CC	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	-159.05	-780.9	-298.9	836.2	822.7	13.51	61.879 ES	
2,600.0	2,600.0	2,585.8	2,585.8	9.6	4.4	113.39	-782.2	-298.8	838.3	824.5	13.87	60.450	
2,700.0	2,699.8	2,665.0	2,664.9	9.9	4.4	113.43	-785.7	-298.4	844.3	830.1	14.17	59.582	
2,749.9	2,749.6	2,705.6	2,705.4	10.1	4.4	113.46	-788.3	-298.1	848.7	834.4	14.32	59.283	
2,800.0	2,799.5	2,755.4	2,755.1	10.2	4.4	113.62	-791.7	-297.6	853.5	839.0	14.47	58.994	
2,900.0	2,899.1	2,854.8	2,854.3	10.5	4.3	113.93	-798.6	-296.8	863.2	848.4	14.77	58.421	
3,000.0	2,998.7	2,954.2	2,953.5	10.9	4.3	114.24	-805.5	-296.0	872.9	857.8	15.09	57.851	
3,100.0	3,098.4	3,053.7	3,052.6	11.2	4.3	114.53	-812.4	-295.2	882.6	867.2	15.41	57.285	
3,200.0	3,198.0	3,153.1	3,151.8	11.6	4.3	114.83	-819.2	-294.3	892.3	876.6	15.73	56.724	
3,300.0	3,297.6	3,252.5	3,251.0	11.9	4.3	115.11	-826.1	-293.5	902.1	886.0	16.06	56.168	
3,400.0	3,397.2	3,351.9	3,350.2	12.2	4.2	115.39	-833.0	-292.7	911.8	895.4	16.39	55.618	
3,500.0	3,496.8	3,451.4	3,449.4	12.6	4.2	115.66	-839.9	-291.9	921.6	904.9	16.73	55.075	
3,600.0	3,596.5	3,550.8	3,548.5	12.9	4.2	115.93	-846.8	-291.0	931.5	914.4	17.08	54.539	
3,700.0	3,696.1	3,650.2	3,647.7	13.3	4.2	116.19	-853.7	-290.2	941.3	923.9	17.43	54.010	
3,800.0	3,795.7	3,749.6	3,746.9	13.6	4.2	116.44	-860.6	-289.4	951.2	933.4	17.78	53.490	
3,900.0	3,895.3	3,849.0	3,846.1	14.0	4.2	116.69	-867.5	-288.5	961.0	942.9	18.14	52.977	
4,000.0	3,994.9	3,948.5	3,945.3	14.3	4.3	116.94	-874.3	-287.7	970.9	952.4	18.50	52.473	
4,100.0	4,094.6	4,047.9	4,044.4	14.6	4.3	117.18	-881.2	-286.9	980.8	962.0	18.87	51.978	
4,200.0	4,194.2	4,147.3	4,143.6	15.0	4.3	117.42	-888.1	-286.1	990.8	971.5	19.24	51.491	
8,800.0	8,776.7	9,971.8	9,271.9	31.4	11.0	-178.36	12.5	-288.5	959.0	917.7	41.33	23.204	
8,886.5	8,862.9	9,972.7	9,271.9	31.7	11.0	-178.30	13.5	-288.5	925.0	883.1	41.89	22.084	
8,900.0	8,876.3	9,972.7	9,271.9	31.8	11.0	167.79	13.4	-288.5	920.4	878.4	41.96	21.932	
8,950.0	8,925.9	9,969.9	9,271.9	31.9	11.0	136.67	10.7	-288.5	905.1	862.9	42.22	21.437	
9,000.0	8,975.1	9,962.9	9,271.8	32.1	11.0	124.68	3.6	-288.4	893.2	850.8	42.42	21.055	
9,050.0	9,023.3	9,951.6	9,271.8	32.3	11.0	118.70	-7.7	-288.3	884.8	842.2	42.56	20.788	
9,100.0	9,070.2	9,936.2	9,271.6	32.5	11.0	114.75	-23.1	-288.2	879.9	837.2	42.65	20.631	

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 #704H
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 #704H	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
9,149.5	9,115.0	9,917.0	9,271.5	32.6	11.0	111.55	-42.3	-288.1	878.3	835.6	42.67	20.581	
9,150.0	9,115.5	9,916.7	9,271.5	32.6	11.0	111.52	-42.5	-288.0	878.3	835.6	42.67	20.581 SF	
9,200.0	9,158.8	9,893.4	9,271.3	32.8	11.0	108.51	-65.8	-287.9	879.8	837.2	42.65	20.627	
9,250.0	9,199.9	9,866.4	9,271.1	32.9	10.9	105.51	-92.8	-287.6	884.2	841.6	42.60	20.757	
9,300.0	9,238.3	9,835.9	9,270.9	33.1	10.9	102.45	-123.3	-287.4	890.9	848.4	42.51	20.961	
9,350.0	9,273.8	9,802.2	9,270.6	33.2	10.9	99.35	-157.0	-287.1	899.7	857.3	42.38	21.227	
9,400.0	9,306.1	9,765.5	9,270.3	33.3	10.8	96.26	-193.8	-286.8	909.9	867.6	42.25	21.534	
9,450.0	9,335.0	9,726.0	9,270.0	33.5	10.8	93.25	-233.2	-286.5	921.1	879.0	42.10	21.877	
9,500.0	9,360.3	9,684.1	9,269.7	33.6	10.8	90.40	-275.1	-286.2	932.9	890.9	41.95	22.238	
9,550.0	9,381.7	9,640.1	9,269.4	33.7	10.7	87.78	-319.1	-285.8	944.8	903.0	41.80	22.604	
9,600.0	9,399.1	9,596.8	9,269.0	33.8	10.7	85.51	-362.4	-285.5	956.6	915.0	41.65	22.967	
9,650.0	9,412.4	9,557.6	9,267.4	33.9	10.7	83.54	-401.5	-285.2	968.1	926.6	41.53	23.312	
9,700.0	9,421.4	9,520.9	9,263.4	34.0	10.6	81.75	-438.1	-284.9	979.5	938.1	41.41	23.652	
9,750.0	9,426.2	9,484.5	9,257.2	34.1	10.6	80.11	-473.9	-284.6	990.5	949.2	41.29	23.987	
9,781.6	9,427.0	9,461.7	9,252.2	34.2	10.5	79.15	-496.1	-284.4	997.3	956.0	41.22	24.194	

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 #704H
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 #704H	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	-157.16	-781.1	-329.0	847.6				
100.0	100.0	108.0	108.0	3.0	3.0	-157.16	-781.1	-329.0	847.6	841.6	6.00	141.191	
200.0	200.0	208.0	208.0	3.0	3.0	-157.16	-781.1	-329.0	847.6	841.5	6.04	140.235	
300.0	300.0	308.0	308.0	3.1	3.0	-157.16	-781.1	-329.0	847.6	841.5	6.13	138.241	
400.0	400.0	408.0	408.0	3.2	3.0	-157.16	-781.1	-329.0	847.6	841.3	6.26	135.361	
500.0	500.0	508.0	508.0	3.4	3.1	-157.16	-781.1	-329.0	847.6	841.2	6.43	131.790	
600.0	600.0	608.0	608.0	3.6	3.1	-157.16	-781.1	-329.0	847.6	841.0	6.64	127.729	
700.0	700.0	708.0	708.0	3.8	3.1	-157.16	-781.1	-329.0	847.6	840.7	6.87	123.361	
800.0	800.0	808.0	808.0	4.0	3.2	-157.16	-781.1	-329.0	847.6	840.5	7.13	118.841	
900.0	900.0	908.0	908.0	4.2	3.2	-157.16	-781.1	-329.0	847.6	840.2	7.42	114.290	
1,000.0	1,000.0	1,008.0	1,008.0	4.5	3.2	-157.16	-781.1	-329.0	847.6	839.9	7.72	109.795	
1,100.0	1,100.0	1,108.0	1,108.0	4.8	3.3	-157.16	-781.1	-329.0	847.6	839.5	8.04	105.418	
1,200.0	1,200.0	1,208.0	1,208.0	5.1	3.4	-157.16	-781.1	-329.0	847.6	839.2	8.38	101.199	
1,300.0	1,300.0	1,308.0	1,308.0	5.3	3.4	-157.16	-781.1	-329.0	847.6	838.9	8.72	97.162	
1,400.0	1,400.0	1,408.0	1,408.0	5.6	3.5	-157.16	-781.1	-329.0	847.6	838.5	9.08	93.320	
1,500.0	1,500.0	1,508.0	1,508.0	6.0	3.6	-157.16	-781.1	-329.0	847.6	838.1	9.45	89.676	
1,600.0	1,600.0	1,608.0	1,608.0	6.3	3.6	-157.16	-781.1	-329.0	847.6	837.8	9.83	86.229	
1,700.0	1,700.0	1,708.0	1,708.0	6.6	3.7	-157.16	-781.1	-329.0	847.6	837.4	10.22	82.974	
1,800.0	1,800.0	1,808.0	1,808.0	6.9	3.8	-157.16	-781.1	-329.0	847.6	837.0	10.61	79.903	
1,900.0	1,900.0	1,908.0	1,908.0	7.2	3.9	-157.16	-781.1	-329.0	847.6	836.6	11.01	77.008	
2,000.0	2,000.0	2,008.0	2,008.0	7.6	3.9	-157.16	-781.1	-329.0	847.6	836.2	11.41	74.278	
2,100.0	2,100.0	2,108.0	2,108.0	7.9	4.0	-157.16	-781.1	-329.0	847.6	835.8	11.82	71.704	
2,200.0	2,200.0	2,208.0	2,208.0	8.2	4.1	-157.16	-781.1	-329.0	847.6	835.4	12.23	69.276	
2,300.0	2,300.0	2,308.0	2,308.0	8.6	4.2	-157.16	-781.1	-329.0	847.6	834.9	12.65	66.985	
2,400.0	2,400.0	2,408.0	2,408.0	8.9	4.3	-157.16	-781.1	-329.0	847.6	834.5	13.08	64.821	
2,500.0	2,500.0	2,508.0	2,508.0	9.2	4.4	-157.16	-781.1	-329.0	847.6	834.1	13.50	62.776 CC, ES	
2,600.0	2,600.0	2,608.0	2,608.0	9.6	4.5	115.37	-781.1	-329.0	848.3	834.4	13.92	60.935	
2,700.0	2,699.8	2,707.8	2,707.8	9.9	4.6	115.65	-781.1	-329.0	850.6	836.3	14.34	59.335	
2,749.9	2,749.6	2,757.6	2,757.6	10.1	4.6	115.86	-781.1	-329.0	852.3	837.8	14.54	58.609	
2,800.0	2,799.5	2,807.5	2,807.5	10.2	4.7	116.12	-781.1	-329.0	854.2	839.5	14.75	57.913	
2,900.0	2,899.1	2,907.1	2,907.1	10.5	4.8	116.64	-781.1	-329.0	858.1	842.9	15.17	56.577	
3,000.0	2,998.7	3,006.7	3,006.7	10.9	4.9	117.15	-781.1	-329.0	862.0	846.5	15.59	55.308	
3,100.0	3,098.4	3,106.4	3,106.4	11.2	5.0	117.67	-781.1	-329.0	866.1	850.1	16.01	54.101	
3,200.0	3,198.0	3,206.0	3,206.0	11.6	5.1	118.17	-781.1	-329.0	870.2	853.7	16.43	52.954	
3,300.0	3,297.6	3,305.6	3,305.6	11.9	5.2	118.67	-781.1	-329.0	874.3	857.5	16.86	51.863	
3,400.0	3,397.2	3,405.2	3,405.2	12.2	5.3	119.17	-781.1	-329.0	878.5	861.3	17.29	50.824	
3,500.0	3,496.8	3,504.8	3,504.8	12.6	5.4	119.66	-781.1	-329.0	882.8	865.1	17.72	49.835	
3,600.0	3,596.5	3,604.5	3,604.5	12.9	5.5	120.15	-781.1	-329.0	887.2	869.0	18.15	48.892	
3,700.0	3,696.1	3,704.1	3,704.1	13.3	5.7	120.63	-781.1	-329.0	891.6	873.0	18.58	47.993	
3,800.0	3,795.7	3,803.7	3,803.7	13.6	5.8	121.11	-781.1	-329.0	896.1	877.1	19.01	47.136	
3,900.0	3,895.3	3,903.3	3,903.3	14.0	5.9	121.59	-781.1	-329.0	900.6	881.2	19.44	46.318	
4,000.0	3,994.9	4,002.9	4,002.9	14.3	6.0	122.05	-781.1	-329.0	905.2	885.4	19.88	45.537	
4,100.0	4,094.6	4,102.6	4,102.6	14.6	6.1	122.52	-781.1	-329.0	909.9	889.6	20.32	44.790	
4,200.0	4,194.2	4,202.2	4,202.2	15.0	6.2	122.98	-781.1	-329.0	914.6	893.9	20.75	44.076	
4,300.0	4,293.8	4,301.8	4,301.8	15.3	6.3	123.43	-781.1	-329.0	919.4	898.2	21.19	43.393	
4,400.0	4,393.4	4,401.4	4,401.4	15.7	6.5	123.88	-781.1	-329.0	924.3	902.6	21.63	42.740	
4,500.0	4,493.0	4,501.0	4,501.0	16.0	6.6	124.32	-781.1	-329.0	929.2	907.1	22.06	42.114	
4,600.0	4,592.6	4,600.6	4,600.6	16.4	6.7	124.76	-781.1	-329.0	934.1	911.6	22.50	41.514	
4,700.0	4,692.3	4,700.3	4,700.3	16.7	6.8	125.20	-781.1	-329.0	939.1	916.2	22.94	40.939	
4,800.0	4,791.9	4,799.9	4,799.9	17.1	6.9	125.63	-781.1	-329.0	944.2	920.8	23.38	40.387	
4,900.0	4,891.5	4,899.5	4,899.5	17.5	7.0	126.06	-781.1	-329.0	949.3	925.5	23.82	39.857	
5,000.0	4,991.1	4,999.1	4,999.1	17.8	7.2	126.48	-781.1	-329.0	954.5	930.2	24.26	39.349	

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 #704H
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 #704H	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
5,100.0	5,090.7	5,098.7	5,098.7	18.2	7.3	126.90	-781.1	-329.0	959.7	935.0	24.70	38.860	
5,200.0	5,190.4	5,198.4	5,198.4	18.5	7.4	127.31	-781.1	-329.0	964.9	939.8	25.13	38.391	
5,300.0	5,290.0	5,298.0	5,298.0	18.9	7.5	127.72	-781.1	-329.0	970.3	944.7	25.57	37.939	
5,400.0	5,389.6	5,397.6	5,397.6	19.2	7.6	128.12	-781.1	-329.0	975.6	949.6	26.01	37.505	
5,500.0	5,489.2	5,497.2	5,497.2	19.6	7.8	128.52	-781.1	-329.0	981.0	954.6	26.45	37.086	
5,600.0	5,588.8	5,577.5	5,577.4	19.9	7.8	128.88	-781.3	-330.1	987.5	960.6	26.82	36.824	
5,700.0	5,688.5	5,656.6	5,656.5	20.3	7.9	129.32	-781.9	-333.2	995.9	968.8	27.13	36.714 SF	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,200.0	7,182.8	9,831.0	8,064.6	25.8	18.9	-178.93	9.4	22.2	957.1	920.9	36.27	26.391	
7,300.0	7,282.4	9,831.0	8,064.6	26.2	18.9	-178.93	9.4	22.2	870.2	833.1	37.13	23.439	
7,400.0	7,382.0	9,831.0	8,064.6	26.5	18.9	-178.93	9.4	22.2	786.4	748.3	38.14	20.618	
7,500.0	7,481.6	9,831.0	8,064.6	26.9	18.9	-178.93	9.4	22.2	706.9	667.5	39.35	17.964	
7,600.0	7,581.2	9,831.0	8,064.6	27.3	18.9	-178.93	9.4	22.2	633.1	592.4	40.77	15.531	
7,700.0	7,680.9	9,831.0	8,064.6	27.6	18.9	-178.93	9.4	22.2	567.5	525.1	42.39	13.389	
7,800.0	7,780.5	9,824.5	8,064.6	28.0	18.9	-178.10	15.9	22.2	513.0	468.9	44.08	11.638	
7,900.0	7,880.1	9,823.9	8,064.6	28.3	18.9	-178.03	16.5	22.2	473.7	427.9	45.74	10.355	
8,000.0	7,979.7	9,823.3	8,064.6	28.7	18.9	-177.95	17.1	22.2	453.4	406.3	47.03	9.641	
8,044.1	8,023.7	9,823.1	8,064.6	28.8	18.9	-177.92	17.4	22.2	451.2	403.8	47.39	9.521 CC, ES, SF	
8,100.0	8,079.3	9,822.7	8,064.6	29.0	18.9	-177.87	17.7	22.2	454.7	407.0	47.64	9.543	
8,200.0	8,179.0	9,822.0	8,064.6	29.4	18.9	-177.79	18.4	22.2	477.4	429.9	47.51	10.049	
8,300.0	8,278.6	9,821.3	8,064.6	29.8	18.9	-177.70	19.1	22.2	518.7	471.9	46.80	11.083	
8,400.0	8,378.2	9,820.6	8,064.7	30.1	18.9	-177.60	19.9	22.2	574.7	528.8	45.83	12.538	
8,500.0	8,477.8	9,819.7	8,064.7	30.5	18.9	-177.49	20.7	22.2	641.4	596.6	44.84	14.305	
8,600.0	8,577.4	9,818.8	8,064.7	30.8	18.9	-177.38	21.6	22.2	716.0	672.0	43.95	16.291	
8,700.0	8,677.1	9,817.9	8,064.7	31.2	18.8	-177.26	22.5	22.1	796.1	752.9	43.21	18.423	
8,800.0	8,776.7	9,816.9	8,064.7	31.6	18.8	-177.13	23.5	22.1	880.3	837.7	42.63	20.649	
8,886.5	8,862.9	9,815.9	8,064.7	31.9	18.8	-177.01	24.5	22.1	955.7	913.4	42.25	22.622	
8,900.0	8,876.3	9,816.0	8,064.7	31.9	18.8	166.08	24.5	22.1	967.5	925.3	42.20	22.930	

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 #704H
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 #704H	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)

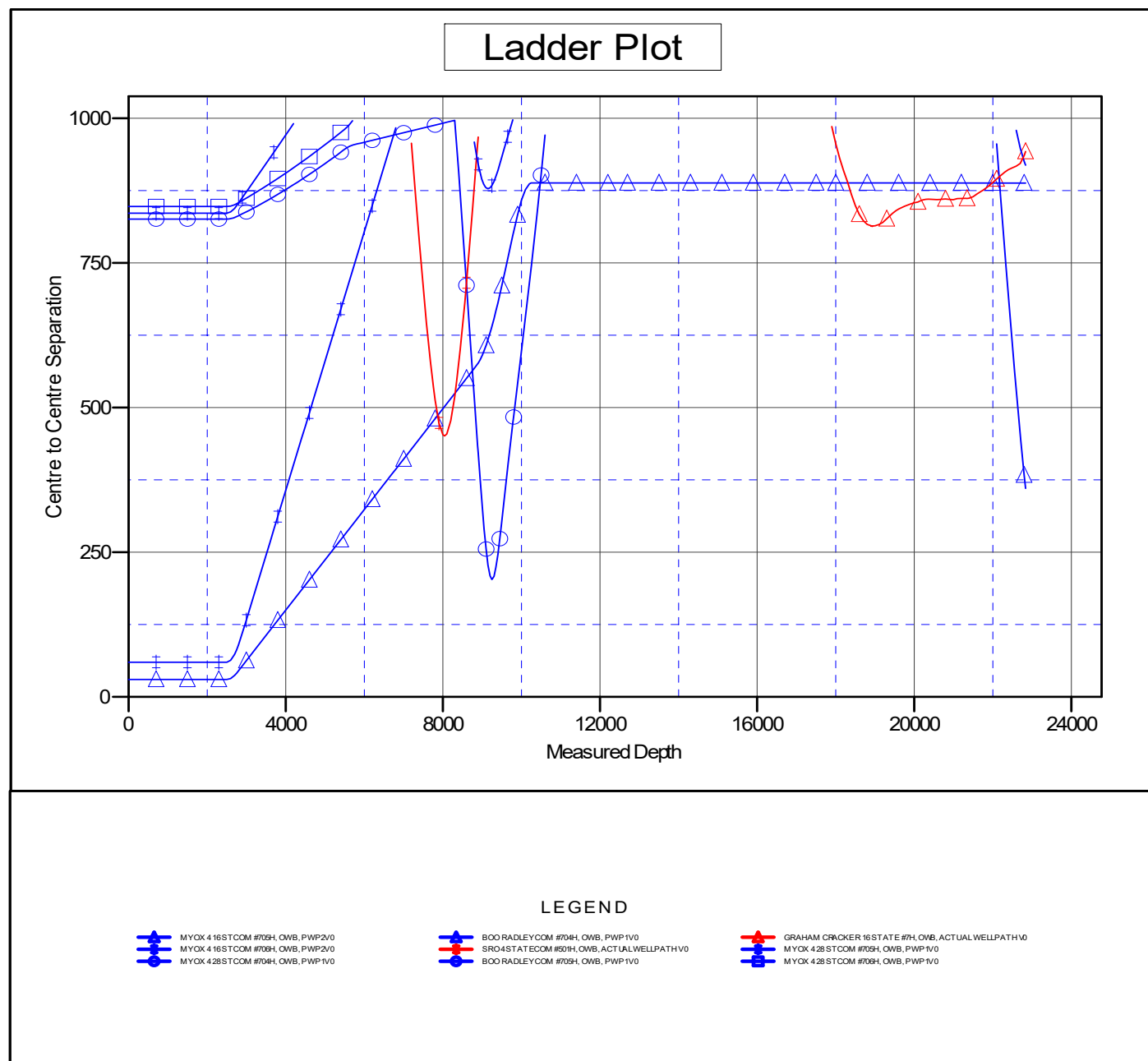
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #704H

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

Grid Convergence at Surface is: 0.13°



Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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

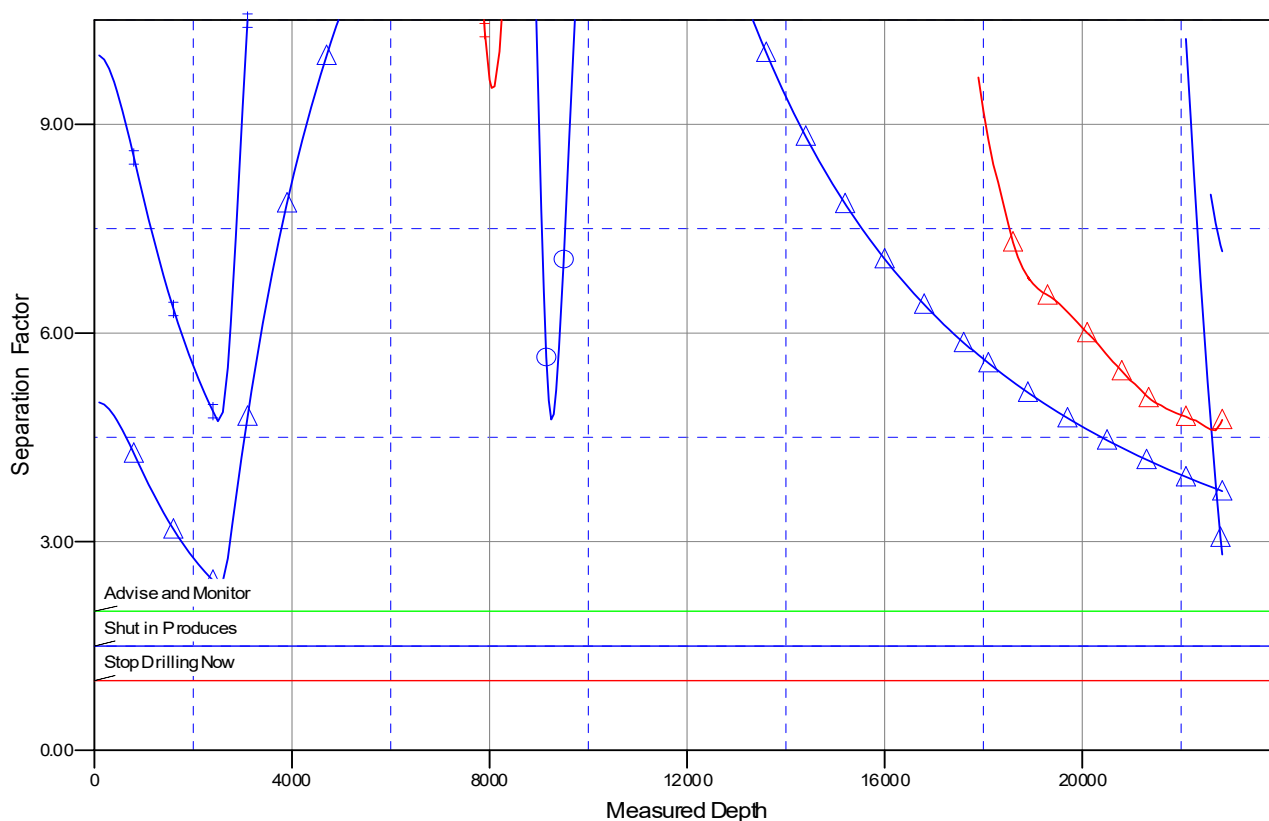
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #704H

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 416STCOM #705H, OWB, PWP2/0
 MYOX 416STCOM #706H, OWB, PWP2/0
 MYOX 428STCOM #704H, OWB, PWP1/0

BOO RADLEYCOM #704H, OWB, PWP1/0
 SRO4STATECOM #601H, OWB, ACTUALWELLPATH/0
 BOO RADLEYCOM #705H, OWB, PWP1/0

GRAHAM CRICKER 16 STATE #7H, OWB, ACTUALWELLPATH/0
 MYOX 428STCOM #705H, OWB, PWP1/0
 MYOX 428STCOM #706H, OWB, PWP1/0

DELAWARE BASIN WEST

**ATLAS PROSPECT (NM-E)
MYOX 4 28 & 16 ST COM PROJECT
MYOX 4 16 ST COM #704H**

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 #704H
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 #704H	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 #704H				
Well Position	+N/-S	0.0 usft	Northing:	390,358.25 usft	Latitude: 32° 4' 22.751 N
	+E/-W	0.0 usft	Easting:	573,792.64 usft	Longitude: 104° 5' 42.360 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	47,414.40290379

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	177.16	

Survey Tool Program	Date	1/5/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	22,834.6	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 #704H
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 #704H	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
Start Build 2.00									
2,600.0	2.00	87.56	2,600.0	0.1	1.7	0.0	2.00	2.00	0.00
2,700.0	4.00	87.56	2,699.8	0.3	7.0	0.0	2.00	2.00	0.00
2,749.9	5.00	87.56	2,749.6	0.5	10.9	0.1	2.00	2.00	0.00
Start 6136.7 hold at 2749.9 MD									
2,800.0	5.00	87.56	2,799.5	0.6	15.2	0.1	0.00	0.00	0.00
2,900.0	5.00	87.56	2,899.1	1.0	23.9	0.2	0.00	0.00	0.00
3,000.0	5.00	87.56	2,998.7	1.4	32.7	0.2	0.00	0.00	0.00
3,100.0	5.00	87.56	3,098.4	1.8	41.4	0.3	0.00	0.00	0.00
3,200.0	5.00	87.56	3,198.0	2.1	50.1	0.4	0.00	0.00	0.00
3,300.0	5.00	87.56	3,297.6	2.5	58.8	0.4	0.00	0.00	0.00
3,400.0	5.00	87.56	3,397.2	2.9	67.5	0.5	0.00	0.00	0.00
3,500.0	5.00	87.56	3,496.8	3.2	76.2	0.5	0.00	0.00	0.00
3,600.0	5.00	87.56	3,596.5	3.6	84.9	0.6	0.00	0.00	0.00
3,700.0	5.00	87.56	3,696.1	4.0	93.6	0.7	0.00	0.00	0.00
3,800.0	5.00	87.56	3,795.7	4.4	102.3	0.7	0.00	0.00	0.00
3,900.0	5.00	87.56	3,895.3	4.7	111.0	0.8	0.00	0.00	0.00
4,000.0	5.00	87.56	3,994.9	5.1	119.7	0.8	0.00	0.00	0.00
4,100.0	5.00	87.56	4,094.6	5.5	128.4	0.9	0.00	0.00	0.00
4,200.0	5.00	87.56	4,194.2	5.8	137.1	1.0	0.00	0.00	0.00
4,300.0	5.00	87.56	4,293.8	6.2	145.8	1.0	0.00	0.00	0.00
4,400.0	5.00	87.56	4,393.4	6.6	154.5	1.1	0.00	0.00	0.00
4,500.0	5.00	87.56	4,493.0	6.9	163.2	1.2	0.00	0.00	0.00
4,600.0	5.00	87.56	4,592.6	7.3	171.9	1.2	0.00	0.00	0.00
4,700.0	5.00	87.56	4,692.3	7.7	180.6	1.3	0.00	0.00	0.00
4,800.0	5.00	87.56	4,791.9	8.1	189.3	1.3	0.00	0.00	0.00
4,900.0	5.00	87.56	4,891.5	8.4	198.0	1.4	0.00	0.00	0.00
5,000.0	5.00	87.56	4,991.1	8.8	206.7	1.5	0.00	0.00	0.00
5,100.0	5.00	87.56	5,090.7	9.2	215.4	1.5	0.00	0.00	0.00
5,200.0	5.00	87.56	5,190.4	9.5	224.1	1.6	0.00	0.00	0.00
5,300.0	5.00	87.56	5,290.0	9.9	232.8	1.6	0.00	0.00	0.00
5,400.0	5.00	87.56	5,389.6	10.3	241.5	1.7	0.00	0.00	0.00
5,500.0	5.00	87.56	5,489.2	10.7	250.2	1.8	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 #704H
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 #704H	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)
5,600.0	5.00	87.56	5,588.8	11.0	258.9	1.8	0.00	0.00	0.00
5,700.0	5.00	87.56	5,688.5	11.4	267.7	1.9	0.00	0.00	0.00
5,800.0	5.00	87.56	5,788.1	11.8	276.4	1.9	0.00	0.00	0.00
5,900.0	5.00	87.56	5,887.7	12.1	285.1	2.0	0.00	0.00	0.00
6,000.0	5.00	87.56	5,987.3	12.5	293.8	2.1	0.00	0.00	0.00
6,100.0	5.00	87.56	6,086.9	12.9	302.5	2.1	0.00	0.00	0.00
6,200.0	5.00	87.56	6,186.6	13.2	311.2	2.2	0.00	0.00	0.00
6,300.0	5.00	87.56	6,286.2	13.6	319.9	2.3	0.00	0.00	0.00
6,400.0	5.00	87.56	6,385.8	14.0	328.6	2.3	0.00	0.00	0.00
6,500.0	5.00	87.56	6,485.4	14.4	337.3	2.4	0.00	0.00	0.00
6,600.0	5.00	87.56	6,585.0	14.7	346.0	2.4	0.00	0.00	0.00
6,700.0	5.00	87.56	6,684.7	15.1	354.7	2.5	0.00	0.00	0.00
6,800.0	5.00	87.56	6,784.3	15.5	363.4	2.6	0.00	0.00	0.00
6,900.0	5.00	87.56	6,883.9	15.8	372.1	2.6	0.00	0.00	0.00
7,000.0	5.00	87.56	6,983.5	16.2	380.8	2.7	0.00	0.00	0.00
7,100.0	5.00	87.56	7,083.1	16.6	389.5	2.7	0.00	0.00	0.00
7,200.0	5.00	87.56	7,182.8	17.0	398.2	2.8	0.00	0.00	0.00
7,300.0	5.00	87.56	7,282.4	17.3	406.9	2.9	0.00	0.00	0.00
7,400.0	5.00	87.56	7,382.0	17.7	415.6	2.9	0.00	0.00	0.00
7,500.0	5.00	87.56	7,481.6	18.1	424.3	3.0	0.00	0.00	0.00
7,600.0	5.00	87.56	7,581.2	18.4	433.0	3.1	0.00	0.00	0.00
7,700.0	5.00	87.56	7,680.9	18.8	441.7	3.1	0.00	0.00	0.00
7,800.0	5.00	87.56	7,780.5	19.2	450.4	3.2	0.00	0.00	0.00
7,900.0	5.00	87.56	7,880.1	19.5	459.1	3.2	0.00	0.00	0.00
8,000.0	5.00	87.56	7,979.7	19.9	467.8	3.3	0.00	0.00	0.00
8,100.0	5.00	87.56	8,079.3	20.3	476.5	3.4	0.00	0.00	0.00
8,200.0	5.00	87.56	8,179.0	20.7	485.2	3.4	0.00	0.00	0.00
8,300.0	5.00	87.56	8,278.6	21.0	493.9	3.5	0.00	0.00	0.00
8,400.0	5.00	87.56	8,378.2	21.4	502.7	3.5	0.00	0.00	0.00
8,500.0	5.00	87.56	8,477.8	21.8	511.4	3.6	0.00	0.00	0.00
8,600.0	5.00	87.56	8,577.4	22.1	520.1	3.7	0.00	0.00	0.00
8,700.0	5.00	87.56	8,677.1	22.5	528.8	3.7	0.00	0.00	0.00
8,800.0	5.00	87.56	8,776.7	22.9	537.5	3.8	0.00	0.00	0.00
8,886.5	5.00	87.56	8,862.9	23.2	545.0	3.8	0.00	0.00	0.00
Start DLS 10.00 TFO 82.23									
8,900.0	5.35	102.02	8,876.3	23.1	546.2	4.0	10.00	2.60	107.43
9,000.0	12.99	147.70	8,975.1	12.6	556.8	15.0	10.00	7.64	45.69
9,100.0	22.55	157.72	9,070.2	-14.7	570.1	42.9	10.00	9.56	10.02
9,200.0	32.36	161.91	9,158.8	-58.0	585.7	87.0	10.00	9.82	4.19
9,300.0	42.26	164.29	9,238.3	-116.0	603.2	145.7	10.00	9.90	2.39
9,400.0	52.19	165.91	9,306.1	-186.8	621.9	217.4	10.00	9.93	1.62
9,500.0	62.14	167.14	9,360.3	-268.4	641.4	299.9	10.00	9.95	1.23
9,600.0	72.09	168.16	9,399.1	-358.3	661.1	390.6	10.00	9.96	1.02
9,700.0	82.05	169.07	9,421.4	-453.7	680.3	486.9	10.00	9.96	0.91

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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Well:	MYOX 4 16 ST COM #704H	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)
9,781.6	90.18	169.78	9,427.0	-533.7	695.2	567.5	10.00	9.96	0.87
Start DLS 2.00 TFO 90.02									
9,800.0	90.18	170.15	9,426.9	-551.8	698.4	585.8	2.00	0.00	2.00
9,900.0	90.18	172.15	9,426.6	-650.6	713.8	685.2	2.00	0.00	2.00
10,000.0	90.18	174.15	9,426.3	-749.9	725.7	785.0	2.00	0.00	2.00
10,100.0	90.18	176.15	9,426.0	-849.6	734.2	884.9	2.00	0.00	2.00
10,200.0	90.17	178.15	9,425.7	-949.4	739.2	984.9	2.00	0.00	2.00
10,246.7	90.17	179.08	9,425.5	-996.1	740.3	1,031.6	2.00	0.00	2.00
Start 2184.9 hold at 10246.7 MD									
10,300.0	90.17	179.08	9,425.4	-1,049.4	741.2	1,084.8	0.00	0.00	0.00
10,400.0	90.17	179.08	9,425.1	-1,149.4	742.8	1,184.8	0.00	0.00	0.00
10,500.0	90.17	179.08	9,424.8	-1,249.4	744.4	1,284.7	0.00	0.00	0.00
10,600.0	90.17	179.08	9,424.5	-1,349.4	746.0	1,384.7	0.00	0.00	0.00
10,700.0	90.17	179.08	9,424.2	-1,449.3	747.6	1,484.6	0.00	0.00	0.00
10,800.0	90.17	179.08	9,423.9	-1,549.3	749.2	1,584.6	0.00	0.00	0.00
10,900.0	90.17	179.08	9,423.5	-1,649.3	750.8	1,684.5	0.00	0.00	0.00
11,000.0	90.17	179.08	9,423.2	-1,749.3	752.4	1,784.4	0.00	0.00	0.00
11,100.0	90.17	179.08	9,422.9	-1,849.3	754.0	1,884.4	0.00	0.00	0.00
11,200.0	90.17	179.08	9,422.6	-1,949.3	755.6	1,984.3	0.00	0.00	0.00
11,300.0	90.17	179.08	9,422.3	-2,049.3	757.2	2,084.3	0.00	0.00	0.00
11,400.0	90.17	179.08	9,422.0	-2,149.3	758.8	2,184.2	0.00	0.00	0.00
11,500.0	90.17	179.08	9,421.7	-2,249.2	760.4	2,284.2	0.00	0.00	0.00
11,600.0	90.17	179.08	9,421.4	-2,349.2	762.0	2,384.1	0.00	0.00	0.00
11,700.0	90.17	179.08	9,421.1	-2,449.2	763.6	2,484.1	0.00	0.00	0.00
11,800.0	90.17	179.08	9,420.8	-2,549.2	765.2	2,584.0	0.00	0.00	0.00
11,900.0	90.17	179.08	9,420.5	-2,649.2	766.8	2,683.9	0.00	0.00	0.00
12,000.0	90.17	179.08	9,420.2	-2,749.2	768.4	2,783.9	0.00	0.00	0.00
12,100.0	90.17	179.08	9,419.9	-2,849.2	770.0	2,883.8	0.00	0.00	0.00
12,200.0	90.17	179.08	9,419.6	-2,949.1	771.6	2,983.8	0.00	0.00	0.00
12,300.0	90.17	179.08	9,419.3	-3,049.1	773.2	3,083.7	0.00	0.00	0.00
12,400.0	90.17	179.08	9,419.0	-3,149.1	774.8	3,183.7	0.00	0.00	0.00
12,431.6	90.17	179.08	9,418.9	-3,180.7	775.3	3,215.2	0.00	0.00	0.00
Start DLS 2.00 TFO 89.92									
12,478.8	90.18	180.03	9,418.8	-3,227.9	775.7	3,262.4	2.00	0.00	2.00
Start 5250.5 hold at 12478.8 MD									
12,500.0	90.18	180.03	9,418.7	-3,249.1	775.6	3,283.6	0.00	0.00	0.00
12,600.0	90.18	180.03	9,418.4	-3,349.1	775.6	3,383.4	0.00	0.00	0.00
12,700.0	90.18	180.03	9,418.1	-3,449.1	775.5	3,483.3	0.00	0.00	0.00
12,800.0	90.18	180.03	9,417.8	-3,549.1	775.5	3,583.2	0.00	0.00	0.00
12,900.0	90.18	180.03	9,417.5	-3,649.1	775.5	3,683.1	0.00	0.00	0.00
13,000.0	90.18	180.03	9,417.2	-3,749.1	775.4	3,782.9	0.00	0.00	0.00
13,100.0	90.18	180.03	9,416.9	-3,849.1	775.4	3,882.8	0.00	0.00	0.00
13,200.0	90.18	180.03	9,416.6	-3,949.1	775.3	3,982.7	0.00	0.00	0.00
13,300.0	90.18	180.03	9,416.2	-4,049.1	775.3	4,082.6	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 #704H
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 #704H	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)
13,400.0	90.18	180.03	9,415.9	-4,149.1	775.2	4,182.4	0.00	0.00	0.00
13,500.0	90.18	180.03	9,415.6	-4,249.1	775.2	4,282.3	0.00	0.00	0.00
13,600.0	90.18	180.03	9,415.3	-4,349.1	775.1	4,382.2	0.00	0.00	0.00
13,700.0	90.18	180.03	9,415.0	-4,449.1	775.1	4,482.1	0.00	0.00	0.00
13,800.0	90.18	180.03	9,414.7	-4,549.1	775.0	4,581.9	0.00	0.00	0.00
13,900.0	90.18	180.03	9,414.4	-4,649.1	775.0	4,681.8	0.00	0.00	0.00
14,000.0	90.18	180.03	9,414.1	-4,749.1	774.9	4,781.7	0.00	0.00	0.00
14,100.0	90.18	180.03	9,413.8	-4,849.1	774.9	4,881.6	0.00	0.00	0.00
14,200.0	90.18	180.03	9,413.5	-4,949.1	774.8	4,981.4	0.00	0.00	0.00
14,300.0	90.18	180.03	9,413.2	-5,049.1	774.8	5,081.3	0.00	0.00	0.00
14,400.0	90.18	180.03	9,412.9	-5,149.1	774.7	5,181.2	0.00	0.00	0.00
14,500.0	90.18	180.03	9,412.6	-5,249.1	774.7	5,281.1	0.00	0.00	0.00
14,600.0	90.18	180.03	9,412.3	-5,349.1	774.6	5,380.9	0.00	0.00	0.00
14,700.0	90.18	180.03	9,412.0	-5,449.1	774.6	5,480.8	0.00	0.00	0.00
14,800.0	90.18	180.03	9,411.7	-5,549.1	774.5	5,580.7	0.00	0.00	0.00
14,900.0	90.18	180.03	9,411.4	-5,649.1	774.5	5,680.5	0.00	0.00	0.00
15,000.0	90.18	180.03	9,411.0	-5,749.1	774.4	5,780.4	0.00	0.00	0.00
15,100.0	90.18	180.03	9,410.7	-5,849.1	774.4	5,880.3	0.00	0.00	0.00
15,200.0	90.18	180.03	9,410.4	-5,949.1	774.3	5,980.2	0.00	0.00	0.00
15,300.0	90.18	180.03	9,410.1	-6,049.1	774.3	6,080.0	0.00	0.00	0.00
15,400.0	90.18	180.03	9,409.8	-6,149.1	774.2	6,179.9	0.00	0.00	0.00
15,500.0	90.18	180.03	9,409.5	-6,249.1	774.2	6,279.8	0.00	0.00	0.00
15,600.0	90.18	180.03	9,409.2	-6,349.1	774.1	6,379.7	0.00	0.00	0.00
15,700.0	90.18	180.03	9,408.9	-6,449.1	774.1	6,479.5	0.00	0.00	0.00
15,800.0	90.18	180.03	9,408.6	-6,549.1	774.1	6,579.4	0.00	0.00	0.00
15,900.0	90.18	180.03	9,408.3	-6,649.1	774.0	6,679.3	0.00	0.00	0.00
16,000.0	90.18	180.03	9,408.0	-6,749.1	774.0	6,779.2	0.00	0.00	0.00
16,100.0	90.18	180.03	9,407.7	-6,849.1	773.9	6,879.0	0.00	0.00	0.00
16,200.0	90.18	180.03	9,407.4	-6,949.1	773.9	6,978.9	0.00	0.00	0.00
16,300.0	90.18	180.03	9,407.1	-7,049.1	773.8	7,078.8	0.00	0.00	0.00
16,400.0	90.18	180.03	9,406.8	-7,149.1	773.8	7,178.7	0.00	0.00	0.00
16,500.0	90.18	180.03	9,406.5	-7,249.1	773.7	7,278.5	0.00	0.00	0.00
16,600.0	90.18	180.03	9,406.2	-7,349.1	773.7	7,378.4	0.00	0.00	0.00
16,700.0	90.18	180.03	9,405.8	-7,449.1	773.6	7,478.3	0.00	0.00	0.00
16,800.0	90.18	180.03	9,405.5	-7,549.1	773.6	7,578.2	0.00	0.00	0.00
16,900.0	90.18	180.03	9,405.2	-7,649.1	773.5	7,678.0	0.00	0.00	0.00
17,000.0	90.18	180.03	9,404.9	-7,749.1	773.5	7,777.9	0.00	0.00	0.00
17,100.0	90.18	180.03	9,404.6	-7,849.1	773.4	7,877.8	0.00	0.00	0.00
17,200.0	90.18	180.03	9,404.3	-7,949.1	773.4	7,977.7	0.00	0.00	0.00
17,300.0	90.18	180.03	9,404.0	-8,049.1	773.3	8,077.5	0.00	0.00	0.00
17,400.0	90.18	180.03	9,403.7	-8,149.1	773.3	8,177.4	0.00	0.00	0.00
17,500.0	90.18	180.03	9,403.4	-8,249.1	773.2	8,277.3	0.00	0.00	0.00
17,600.0	90.18	180.03	9,403.1	-8,349.1	773.2	8,377.2	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 #704H
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 #704H	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)
17,700.0	90.18	180.03	9,402.8	-8,449.1	773.1	8,477.0	0.00	0.00	0.00
17,729.3	90.18	180.03	9,402.7	-8,478.4	773.1	8,506.3	0.00	0.00	0.00
Start DLS 2.00 TFO 89.95									
17,783.8	90.18	181.12	9,402.5	-8,532.9	772.6	8,560.7	2.00	0.00	2.00
Start 5050.9 hold at 17783.8 MD									
17,800.0	90.18	181.12	9,402.5	-8,549.1	772.3	8,576.9	0.00	0.00	0.00
17,900.0	90.18	181.12	9,402.2	-8,649.1	770.3	8,676.6	0.00	0.00	0.00
18,000.0	90.18	181.12	9,401.9	-8,749.0	768.4	8,776.4	0.00	0.00	0.00
18,100.0	90.18	181.12	9,401.6	-8,849.0	766.4	8,876.1	0.00	0.00	0.00
18,200.0	90.18	181.12	9,401.3	-8,949.0	764.5	8,975.9	0.00	0.00	0.00
18,300.0	90.18	181.12	9,400.9	-9,049.0	762.5	9,075.7	0.00	0.00	0.00
18,400.0	90.18	181.12	9,400.6	-9,149.0	760.6	9,175.4	0.00	0.00	0.00
18,500.0	90.18	181.12	9,400.3	-9,248.9	758.6	9,275.2	0.00	0.00	0.00
18,600.0	90.18	181.12	9,400.0	-9,348.9	756.7	9,374.9	0.00	0.00	0.00
18,700.0	90.18	181.12	9,399.7	-9,448.9	754.7	9,474.7	0.00	0.00	0.00
18,800.0	90.18	181.12	9,399.4	-9,548.9	752.8	9,574.5	0.00	0.00	0.00
18,900.0	90.18	181.12	9,399.1	-9,648.9	750.8	9,674.2	0.00	0.00	0.00
19,000.0	90.18	181.12	9,398.8	-9,748.8	748.9	9,774.0	0.00	0.00	0.00
19,100.0	90.18	181.12	9,398.5	-9,848.8	746.9	9,873.7	0.00	0.00	0.00
19,200.0	90.18	181.12	9,398.2	-9,948.8	745.0	9,973.5	0.00	0.00	0.00
19,300.0	90.18	181.12	9,397.9	-10,048.8	743.0	10,073.3	0.00	0.00	0.00
19,400.0	90.18	181.12	9,397.6	-10,148.8	741.1	10,173.0	0.00	0.00	0.00
19,500.0	90.18	181.12	9,397.3	-10,248.8	739.1	10,272.8	0.00	0.00	0.00
19,600.0	90.18	181.12	9,396.9	-10,348.7	737.2	10,372.5	0.00	0.00	0.00
19,700.0	90.18	181.12	9,396.6	-10,448.7	735.2	10,472.3	0.00	0.00	0.00
19,800.0	90.18	181.12	9,396.3	-10,548.7	733.3	10,572.1	0.00	0.00	0.00
19,900.0	90.18	181.12	9,396.0	-10,648.7	731.3	10,671.8	0.00	0.00	0.00
20,000.0	90.18	181.12	9,395.7	-10,748.7	729.4	10,771.6	0.00	0.00	0.00
20,100.0	90.18	181.12	9,395.4	-10,848.6	727.4	10,871.4	0.00	0.00	0.00
20,200.0	90.18	181.12	9,395.1	-10,948.6	725.5	10,971.1	0.00	0.00	0.00
20,300.0	90.18	181.12	9,394.8	-11,048.6	723.5	11,070.9	0.00	0.00	0.00
20,400.0	90.18	181.12	9,394.5	-11,148.6	721.6	11,170.6	0.00	0.00	0.00
20,500.0	90.18	181.12	9,394.2	-11,248.6	719.6	11,270.4	0.00	0.00	0.00
20,600.0	90.18	181.12	9,393.9	-11,348.5	717.7	11,370.2	0.00	0.00	0.00
20,700.0	90.18	181.12	9,393.6	-11,448.5	715.7	11,469.9	0.00	0.00	0.00
20,800.0	90.18	181.12	9,393.3	-11,548.5	713.8	11,569.7	0.00	0.00	0.00
20,900.0	90.18	181.12	9,392.9	-11,648.5	711.8	11,669.4	0.00	0.00	0.00
21,000.0	90.18	181.12	9,392.6	-11,748.5	709.9	11,769.2	0.00	0.00	0.00
21,100.0	90.18	181.12	9,392.3	-11,848.4	707.9	11,869.0	0.00	0.00	0.00
21,200.0	90.18	181.12	9,392.0	-11,948.4	706.0	11,968.7	0.00	0.00	0.00
21,300.0	90.18	181.12	9,391.7	-12,048.4	704.0	12,068.5	0.00	0.00	0.00
21,400.0	90.18	181.12	9,391.4	-12,148.4	702.1	12,168.2	0.00	0.00	0.00
21,500.0	90.18	181.12	9,391.1	-12,248.4	700.1	12,268.0	0.00	0.00	0.00
21,600.0	90.18	181.12	9,390.8	-12,348.3	698.2	12,367.8	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 #704H
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 #704H	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)
21,700.0	90.18	181.12	9,390.5	-12,448.3	696.2	12,467.5	0.00	0.00	0.00
21,800.0	90.18	181.12	9,390.2	-12,548.3	694.3	12,567.3	0.00	0.00	0.00
21,900.0	90.18	181.12	9,389.9	-12,648.3	692.3	12,667.1	0.00	0.00	0.00
22,000.0	90.18	181.12	9,389.6	-12,748.3	690.4	12,766.8	0.00	0.00	0.00
22,100.0	90.18	181.12	9,389.3	-12,848.2	688.4	12,866.6	0.00	0.00	0.00
22,200.0	90.18	181.12	9,389.0	-12,948.2	686.5	12,966.3	0.00	0.00	0.00
22,300.0	90.18	181.12	9,388.6	-13,048.2	684.5	13,066.1	0.00	0.00	0.00
22,400.0	90.18	181.12	9,388.3	-13,148.2	682.6	13,165.9	0.00	0.00	0.00
22,500.0	90.18	181.12	9,388.0	-13,248.2	680.6	13,265.6	0.00	0.00	0.00
22,600.0	90.18	181.12	9,387.7	-13,348.1	678.7	13,365.4	0.00	0.00	0.00
22,700.0	90.18	181.12	9,387.4	-13,448.1	676.7	13,465.1	0.00	0.00	0.00
22,800.0	90.18	181.12	9,387.1	-13,548.1	674.8	13,564.9	0.00	0.00	0.00
22,834.6	90.18	181.12	9,387.0	-13,582.7	674.1	13,599.4	0.00	0.00	0.00
TD at 22834.6									

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 - plan hits target center - Rectangle (sides W100.0 H5,111.0 D20.0)	0.18	1.12	9,387.0	-13,582.7	674.1	376,775.52	574,466.72	32° 2' 8.314 N	104° 5' 34.877 W
LTP (MYOX 4 16 ST C - plan misses target center by 3.7usft at 22704.7usft MD (9387.4 TVD, -13452.8 N, 676.6 E) - Point	0.00	0.00	9,387.0	-13,452.7	672.9	376,905.52	574,465.58	32° 2' 9.600 N	104° 5' 34.887 W
T2 (MYOX 4 16 ST C - plan hits target center - Rectangle (sides W100.0 H5,301.0 D20.0)	0.18	0.03	9,402.7	-8,478.4	773.1	381,879.88	574,565.76	32° 2' 58.827 N	104° 5' 33.594 W
T1 (MYOX 4 16 ST C - plan hits target center - Rectangle (sides W100.0 H3,308.0 D20.0)	0.18	359.08	9,418.9	-3,180.7	775.3	387,177.56	574,567.93	32° 3' 51.256 N	104° 5' 33.431 W
FTP (MYOX 4 16 ST C - plan misses target center by 34.2usft at 9803.9usft MD (9426.9 TVD, -555.7 N, 699.1 E) - Circle (radius 50.0)	0.00	0.00	9,427.0	-550.4	732.9	389,807.80	574,525.56	32° 4' 17.287 N	104° 5' 33.856 W

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #704H
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 #704H	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)	
2500	2500	0	0	Start Build 2.00
2750	2750	0	11	Start 6136.7 hold at 2749.9 MD
8887	8863	23	545	Start DLS 10.00 TFO 82.23
9782	9427	-534	695	Start DLS 2.00 TFO 90.02
10,247	9426	-996	740	Start 2184.9 hold at 10246.7 MD
12,432	9419	-3181	775	Start DLS 2.00 TFO 89.92
12,479	9419	-3228	776	Start 5250.5 hold at 12478.8 MD
17,729	9403	-8478	773	Start DLS 2.00 TFO 89.95
17,784	9403	-8533	773	Start 5050.9 hold at 17783.8 MD
22,835	9387	-13,583	674	TD at 22834.6

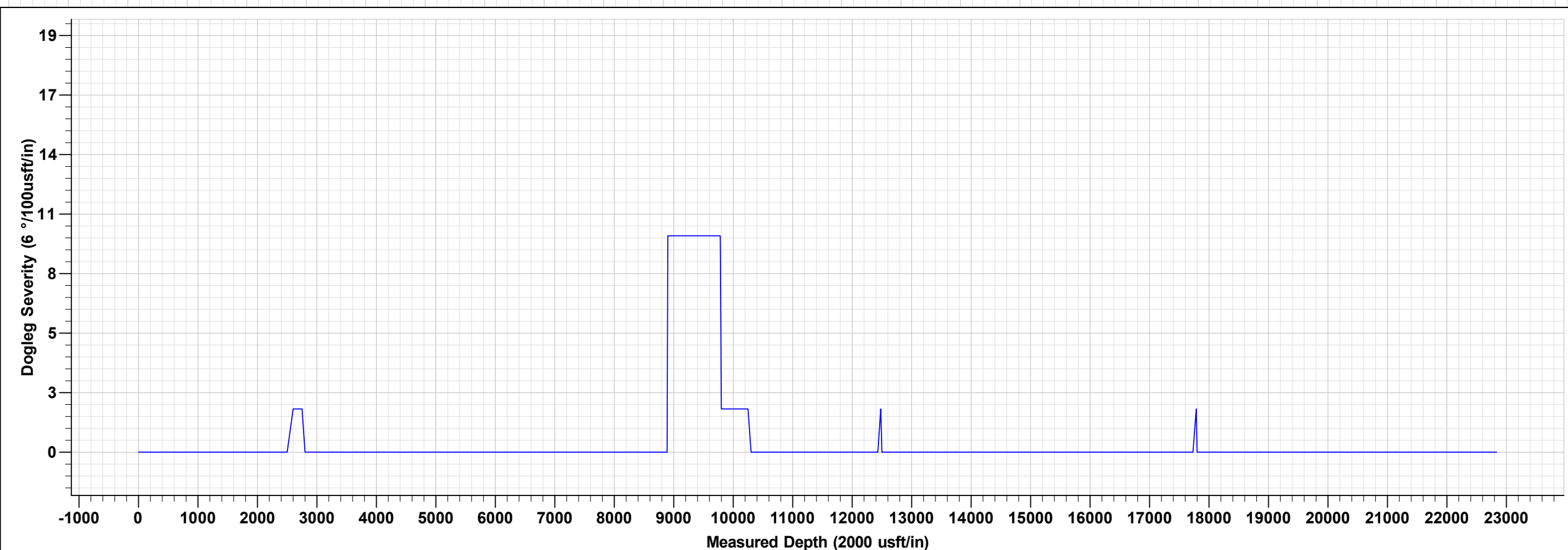
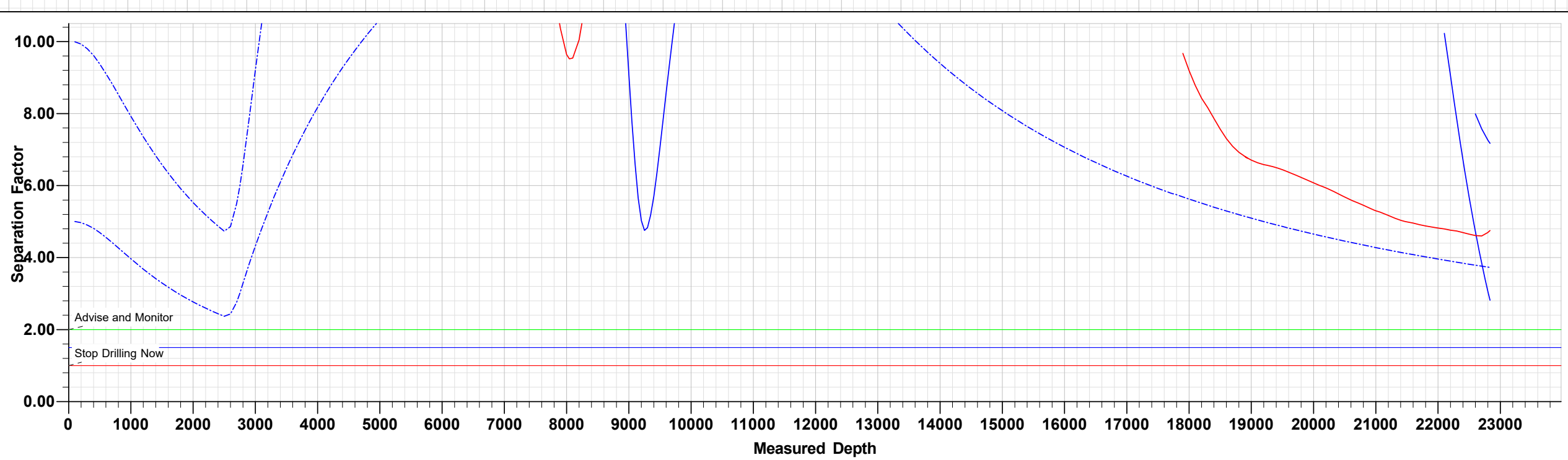
Checked By: _____ Approved By: _____ Date: _____



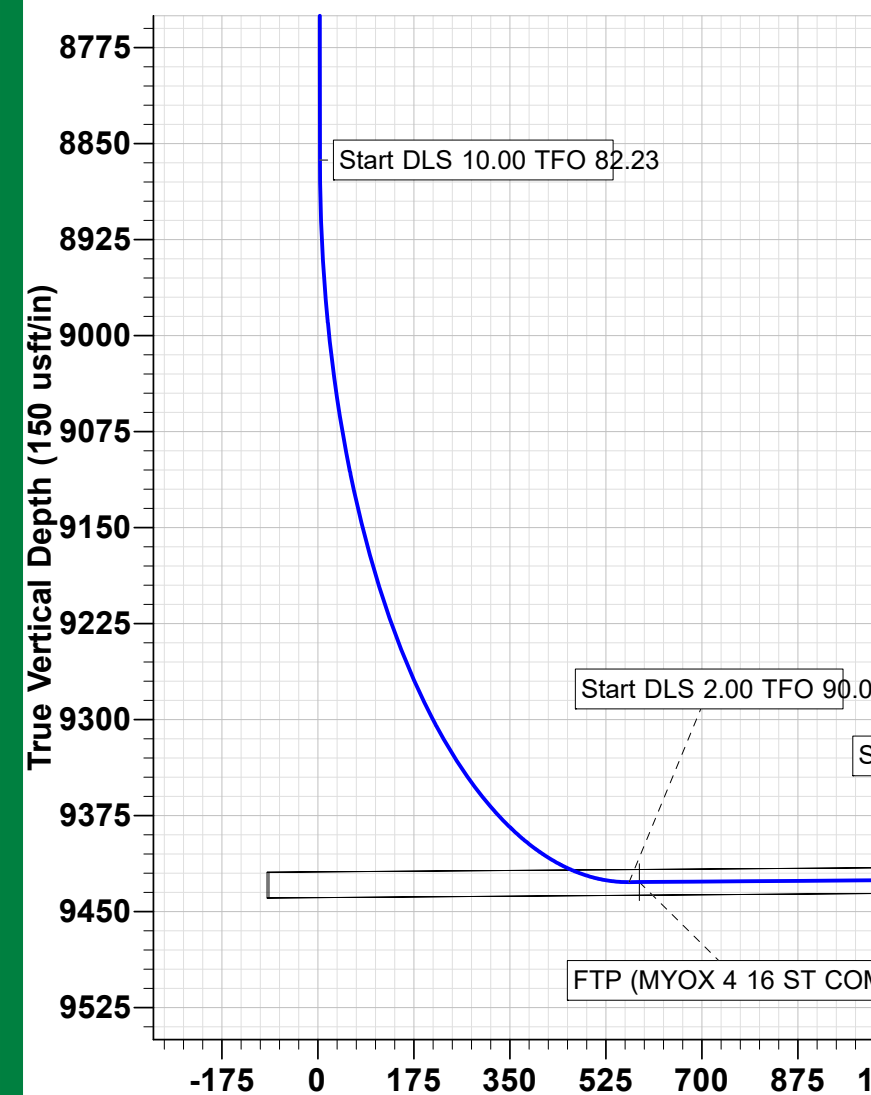
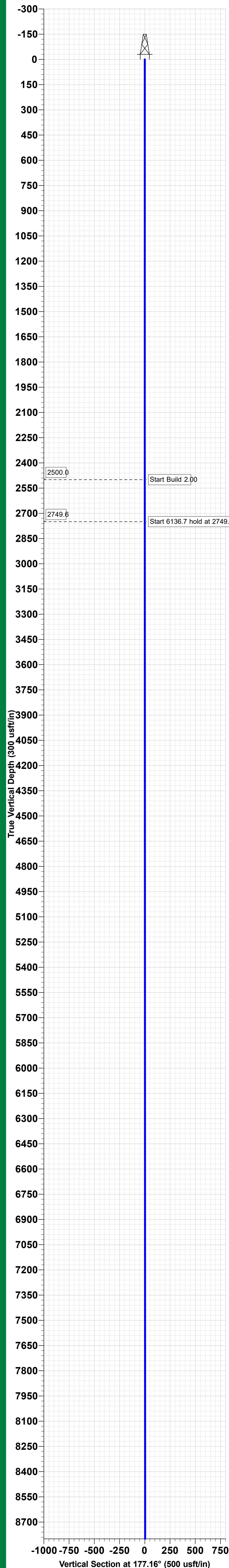
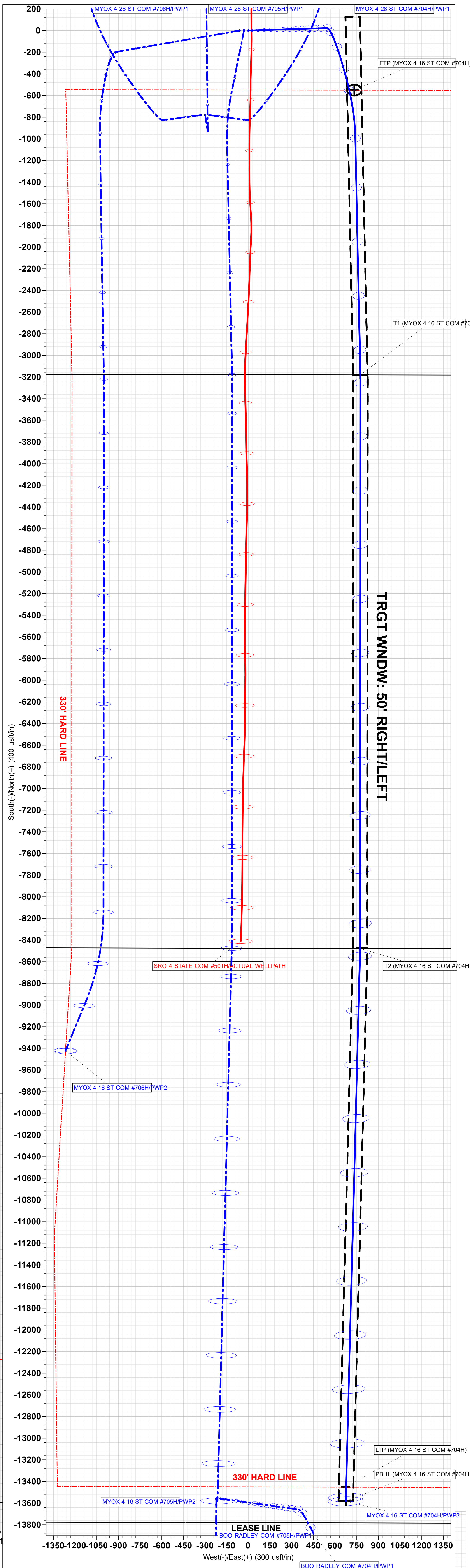
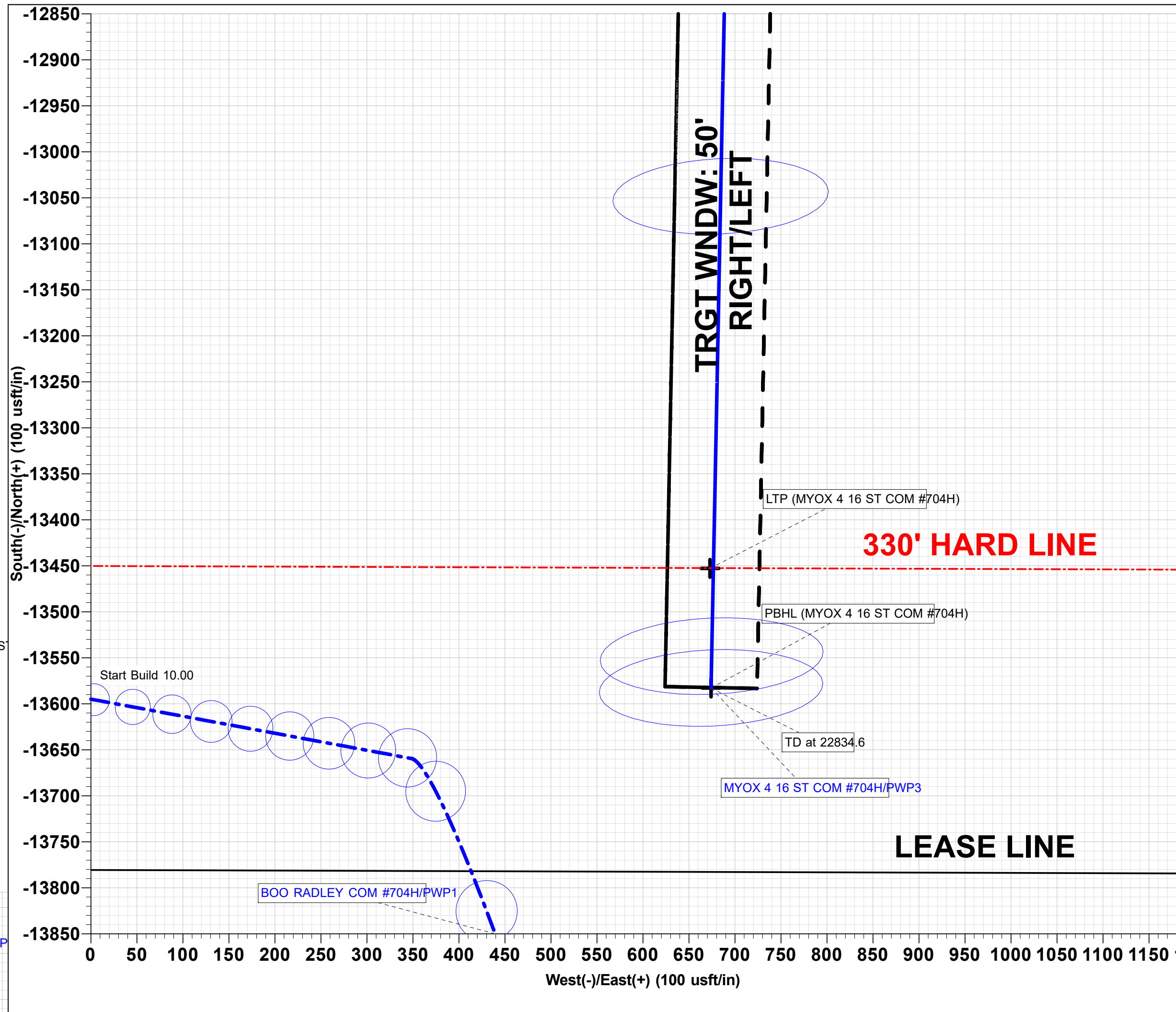
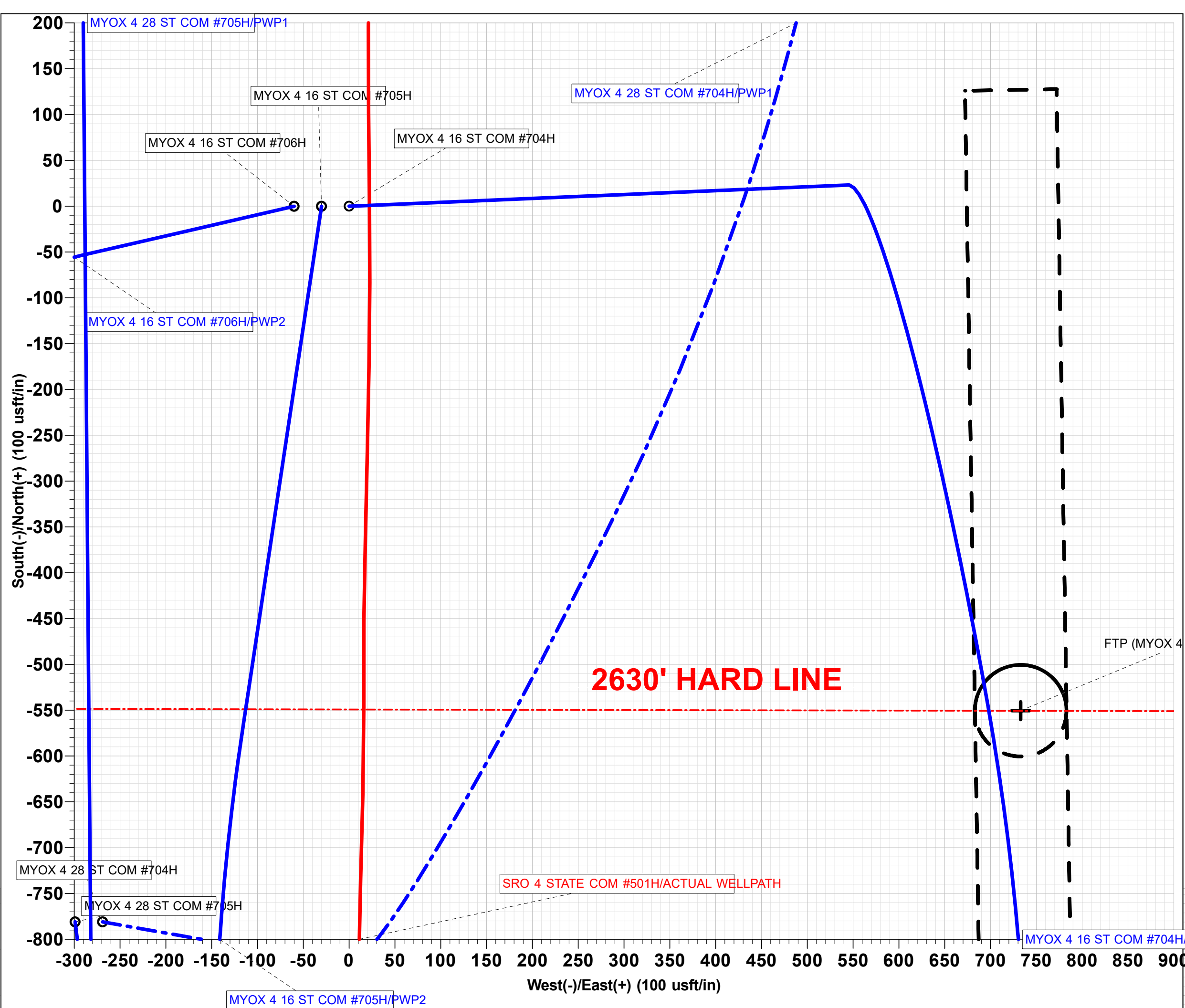
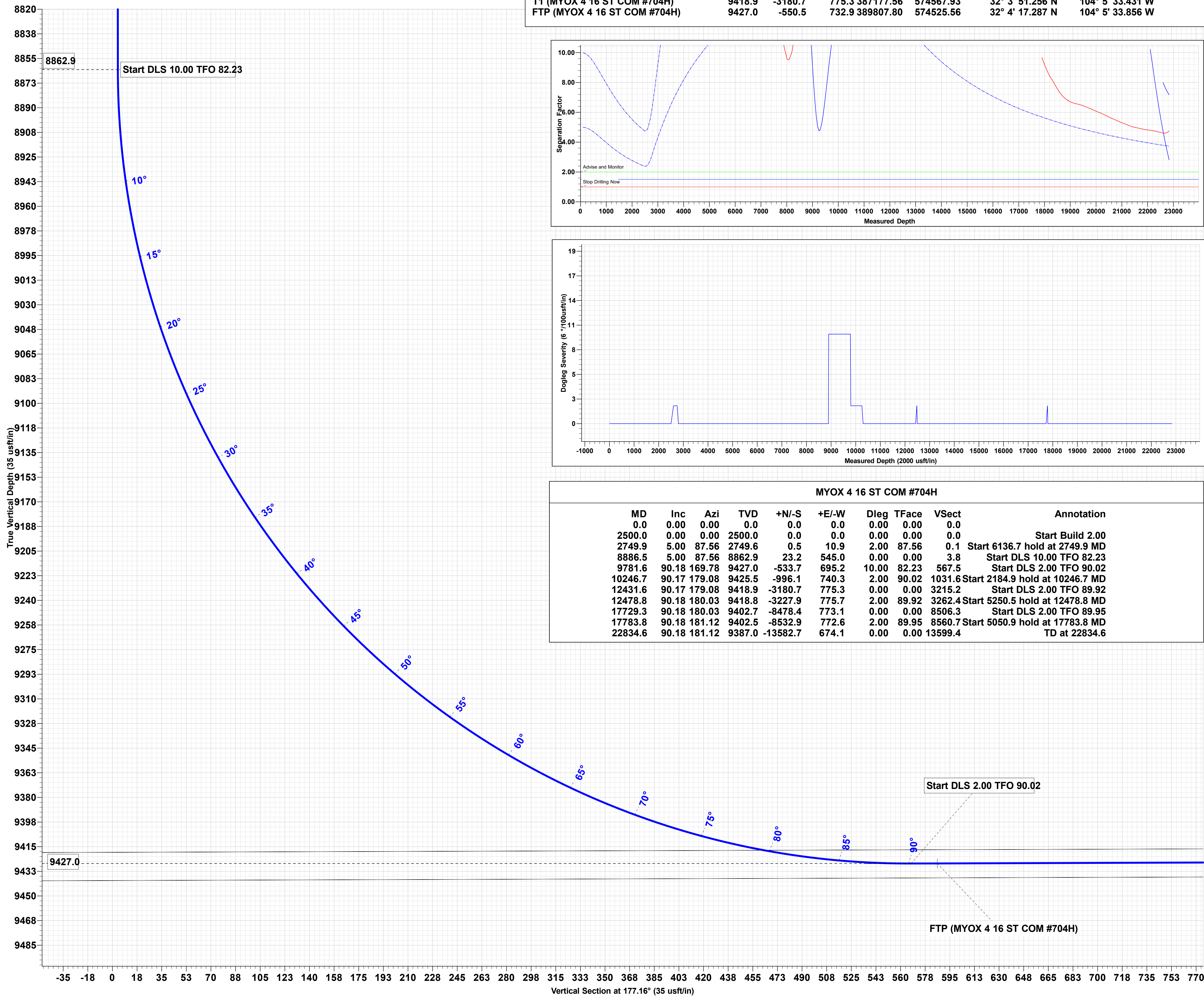
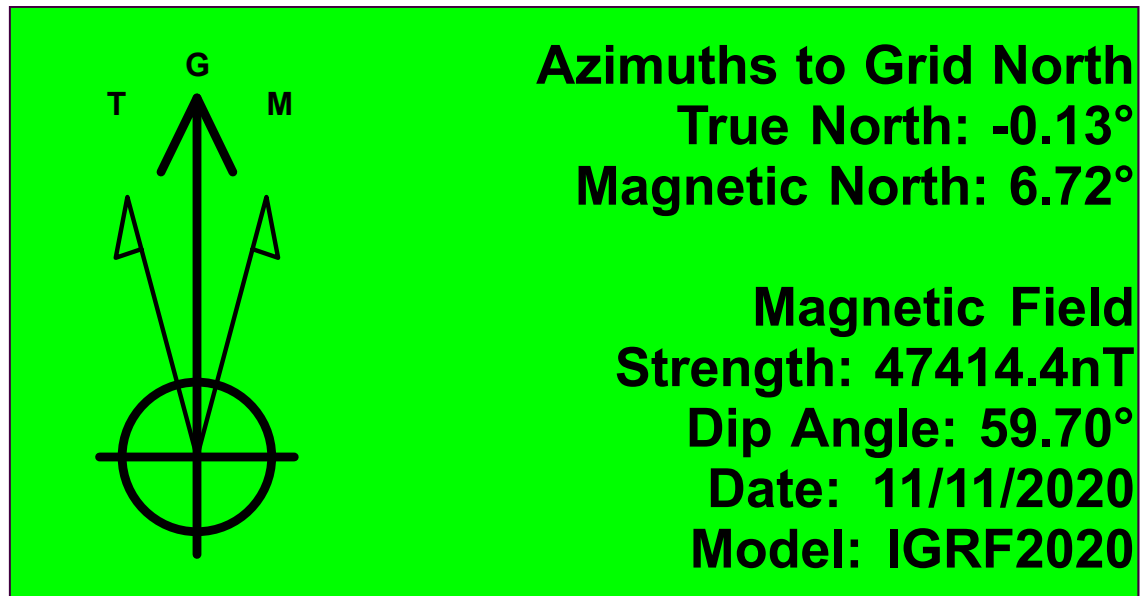
Project: ATLAS PROSPECT (NM-E)
Site: MYOX 4 28 & 16 ST COM PROJECT
Well: MYOX 4 16 ST COM #704H
Wellbore: OWB
Design: PWP3
GL: 2989.0
*KB=30' @ 3019.0usft (TBD)

WELL DETAILS: MYOX 4 16 ST COM #704H				
+N/-S	+E/-W	Northing	Easting	Latitude
0.0	0.0	390358.25	573792.64	32° 4' 22.751 N
Longitude				
104° 5' 42.360 W				

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP (MYOX 4 16 ST COM #704H)	9387.0	-13452.7	672.9	376905.52	574465.58	32° 2' 9.600 N
PBHL (MYOX 4 16 ST COM #704H)	9387.0	-13552.7	674.1	376775.52	574466.72	32° 2' 8.314 N
T2 (MYOX 4 16 ST COM #704H)	9402.7	-8478.4	773.1	381879.88	574565.76	32° 2' 58.827 N
T1 (MYOX 4 16 ST COM #704H)	9418.9	-3180.7	775.3	387177.56	574567.93	32° 3' 51.256 N
FTP (MYOX 4 16 ST COM #704H)	9427.0	-550.5	732.9	389807.80	574525.56	32° 4' 17.287 N



MYOX 4 16 ST COM #704H									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2749.9	5.00	87.56	2749.6	0.5	10.9	2.00	87.56	0.1	Start 6136.7 hold at 2749.9 MD
8886.5	5.00	87.56	8862.9	23.2	545.0	0.00	0.00	3.8	Start DLS 10.00 TFO 82.23
9781.6	90.18	169.78	9427.0	-533.7	695.2	10.00	82.23	567.5	Start DLS 2.00 TFO 90.02
10246.7	90.17	179.08	9425.5	-996.1	740.3	2.00	90.02	1031.6	Start 2184.9 hold at 10246.7 MD
12431.6	90.17	179.08	9418.9	-3180.7	775.3	0.00	0.00	3215.2	Start DLS 2.00 TFO 89.92
12478.8	90.18	180.03	9418.8	-3227.9	775.7	2.00	89.92	3262.4	Start 5250.5 hold at 12478.8 MD
17729.3	90.18	180.03	9402.7	-8478.4	773.1	0.00	0.00	8506.3	Start DLS 2.00 TFO 89.95
17783.8	90.18	181.12	9402.5	-8532.9	772.6	2.00	89.95	8560.7	Start 5050.9 hold at 17783.8 MD
22834.6	90.18	181.12	9387.0	-13582.7	674.1	0.00	0.00	13599.4	TD at 22834.6



TRGT WNDW: 10' ABOVE/BELOW

Start DLS 2.00 TFO 89.95 Start 5050.9 hold at 17783.8 MD

PBHL (MYOX 4 16 ST COM #704H)

LTP (MYOX 4 16 ST COM #704H)

TD at 22834.6

MYOX 4 16 ST COM #704H PWP3

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 704H

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#	8775'	1250	0'
Production	6-3/4"	5-1/2"	23#	22835'	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 ~8,775' 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 22,835' with OBM. Run 5-1/2" 23# P110 CDC HTQ from surfaced to 8,600' and TALON casing from 8,600' 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