

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 291154

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 30-015-47927
4. Property Code 329975	5. Property Name MYOX 4 16 STATE COM	6. Well No. 706H

7. Surface Location

UL - Lot F	Section 4	Township 26S	Range 28E	Lot Idn F	Feet From 2115	N/S Line N	Feet From 1540	E/W Line W	County Eddy
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8. Proposed Bottom Hole Location

UL - Lot D	Section 16	Township 26S	Range 28E	Lot Idn D	Feet From 950	N/S Line N	Feet From 330	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 18536	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	8900	1250	0
Prod	6.75	5.5	23	18536	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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Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-015-	2 Pool Code 98220	3 Pool Name Purple Sage; Wolfcamp (Gas)
4 Property Code	5 Property Name MYOX 4 16 STATE COM	6 Well Number 706H
7 OGRID No. 229137	8 Operator Name COG OPERATING LLC	9 Elevation 2989'

10 Surface Location

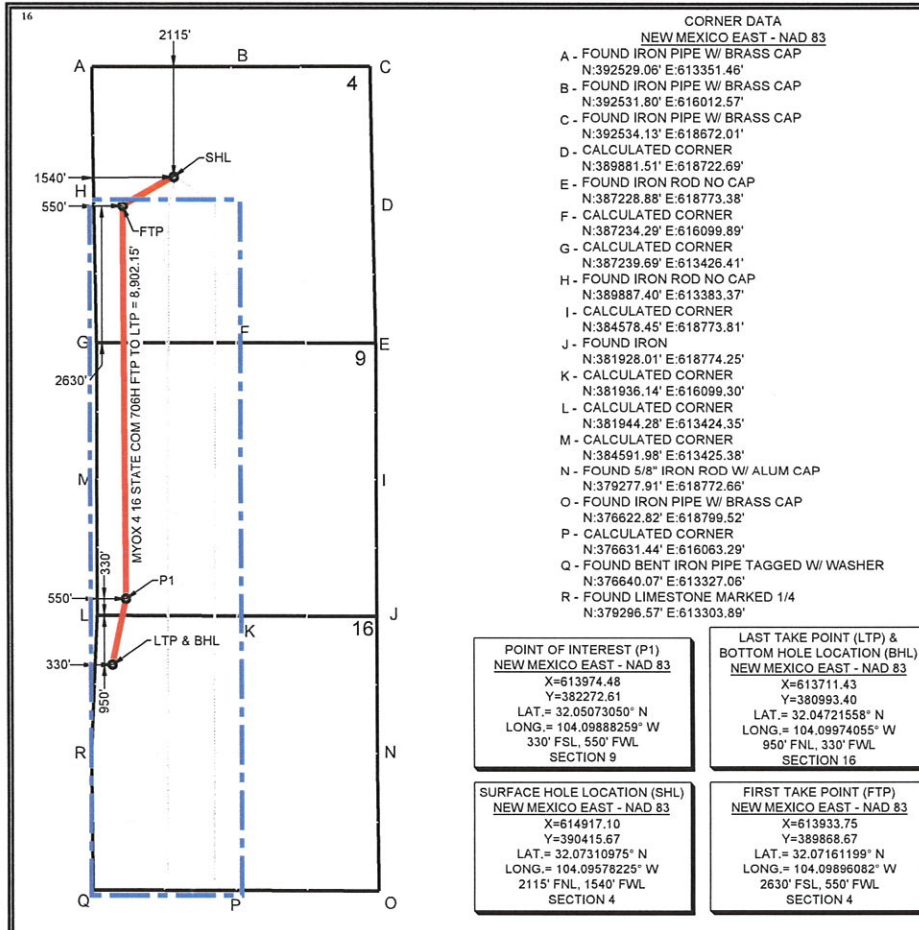
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	4	26-S	28-E		2115'	NORTH	1540'	WEST	EDDY

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
D	16	26-S	28-E		950'	NORTH	330'	WEST	EDDY

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

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

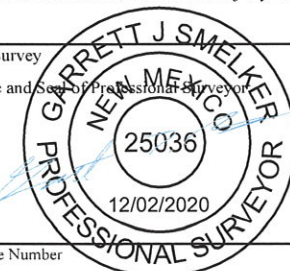
E-mail Address: _____

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: _____



Intent ☒ As Drilled ☐

API # 30-015		
Operator Name: COG Operating LLC	Property Name: Myox 4 16 State Com	Well Number 706H

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 L	Section 4	Township 26S	Range 28E	Lot	Feet 2630	From N/S South	Feet 550	From E/W West	County Eddy
Latitude 32.07161199					Longitude -104.09896082			NAD NAD 83	

Last Take Point (LTP)

UL D	Section 16	Township 26S	Range 28E	Lot	Feet 950	From N/S North	Feet 330	From E/W West	County Eddy
Latitude 32.04721558					Longitude -104.09974055			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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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 #706H	30-015-47927	F-4-26S-28E	2115N 1540W	5500	None	Processing Plant location : Sec 35, Blk 57 T-2-S, Culberson Co. Texas

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to ETC Texas Pipeline, Ltd. and will be connected to ETC Texas Pipeline, Ltd. Low Pressure gathering system located in Eddy County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. COG OPERATING LLC provides (periodically) to ETC Texas Pipeline, Ltd. a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG OPERATING LLC and ETC Texas Pipeline, Ltd. have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at ETC Texas Pipeline, Ltd. Processing Plant located in Sec. 04, Twn. 26S, Rng. 28E, Eddy County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

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

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

Alternatives to Reduce Flaring

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

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

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Form APD Comments

Permit 291154

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-015-47927
		Well: MYOX 4 16 STATE COM #706H
Created By	Comment	Comment Date

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Form APD Conditions

Permit 291154

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-015-47927
	Well: MYOX 4 16 STATE COM #706H

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

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 4 28 & 16 ST COM PROJECT

MYOX 4 16 ST COM #706H

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 #706H
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 #706H	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
Depth Range:	Unlimited
Results Limited by:	Maximum ellipse separation of 2,000.0 usft
Warning Levels Evaluated at:	2.00 Sigma
Error Model:	ISCWSA
Scan Method:	Closest Approach 3D
Error Surface:	Pedal Curve
Casing Method:	Not applied

Survey Tool Program		Date	1/5/2021		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,022.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,022.0	18,536.2	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
HONEY GRAHAM STATE PROJECT (ATLAS 2628)						
GRAHAM CRACKER 16 STATE #9H - OWB - ACTUAL V	18,537.0	9,579.9	281.3	189.9	3.079	CC, ES, SF
TEDDY GRAHAM STATE COM #1 - OWB - ACTUAL WE	16,883.1	9,446.6	14.6	-262.9	0.053	Stop Drilling Now, CC, ES
MYOX 4 28 & 16 ST COM PROJECT						
MYOX 4 16 ST COM #704H - OWB - PWP3	2,500.0	2,500.0	60.0	47.3	4.732	CC, ES, SF
MYOX 4 16 ST COM #705H - OWB - PWP3	2,500.0	2,500.0	30.0	23.1	4.344	CC, ES, SF
MYOX 4 28 ST COM #704H - OWB - PWP1	5,425.0	5,407.1	713.9	700.4	52.884	CC
MYOX 4 28 ST COM #704H - OWB - PWP1	5,500.0	5,481.4	713.9	700.3	52.299	ES
MYOX 4 28 ST COM #704H - OWB - PWP1	5,700.0	5,661.5	717.1	703.2	51.587	SF
MYOX 4 28 ST COM #705H - OWB - PWP1	8,900.0	9,766.7	745.0	721.6	31.833	SF
MYOX 4 28 ST COM #705H - OWB - PWP1	9,214.6	9,720.3	669.7	650.6	35.134	CC, ES
MYOX 4 28 ST COM #706H - OWB - PWP1	9,275.0	9,668.6	52.8	26.5	2.007	ES, SF
MYOX 4 28 ST COM #706H - OWB - PWP1	9,298.4	9,658.5	48.1	27.7	2.362	CC
SRO STATE PROJECT (ATLAS 2628)						
SRO 4 STATE COM #501H - OWB - ACTUAL WELLPAT	8,000.0	10,030.2	808.3	778.9	27.498	SF
SRO 4 STATE COM #501H - OWB - ACTUAL WELLPAT	8,003.8	10,030.3	808.3	778.9	27.502	CC, ES
SRO 4 STATE COM #502H - OWB - ACTUAL WELLPAT	7,992.6	9,910.5	126.6	97.2	4.316	CC, ES, SF
SRO 4 STATE COM #503H - OWB - ACTUAL WELLPLA	8,158.7	10,015.2	522.5	491.5	16.857	CC, ES
SRO 4 STATE COM #503H - OWB - ACTUAL WELLPLA	8,300.0	10,025.3	541.2	508.7	16.689	SF

HONEY GRAHAM STATE PROJECT (ATLAS 2628) - GRAHAM CRACKER 16 STATE #9H - OWB - AC												Offset Site Error:	0.0 usft
Survey Program: 100- VES GyroFlex, 7922-MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						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	
17,223.1	9,389.3	8,982.3	8,963.3	69.3	11.1	38.54	-8,905.9	-1,328.5	983.9	929.1	54.78	17.959	
17,300.0	9,389.1	9,004.0	8,980.7	70.0	11.2	37.89	-8,918.6	-1,326.0	924.5	867.7	56.79	16.280	
17,400.0	9,388.8	9,025.1	8,996.9	70.8	11.3	36.75	-8,931.8	-1,323.2	848.7	788.8	59.89	14.170	
17,500.0	9,388.5	9,054.0	9,018.0	71.7	11.4	35.78	-8,951.0	-1,318.8	774.6	711.8	62.87	12.320	
17,600.0	9,388.3	9,086.0	9,039.8	72.5	11.5	34.73	-8,973.7	-1,312.9	702.6	636.7	65.93	10.656	
17,700.0	9,388.0	9,123.0	9,062.6	73.4	11.6	33.46	-9,001.8	-1,305.0	632.9	564.0	68.92	9.183	
17,800.0	9,387.7	9,162.0	9,084.1	74.2	11.8	31.82	-9,032.9	-1,295.7	565.8	493.7	72.01	7.857	

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 #706H
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 #706H	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- VES GyroFlex, 7922-MWD												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
17,900.0	9,387.5	9,201.7	9,103.1	75.0	11.9	29.75	-9,066.4	-1,285.9	502.2	426.9	75.32	6.668	
18,000.0	9,387.2	9,244.9	9,120.5	75.8	12.2	27.08	-9,104.4	-1,275.1	443.1	364.4	78.66	5.633	
18,085.7	9,387.0	9,289.0	9,134.8	76.5	12.4	23.99	-9,144.8	-1,264.9	397.6	316.3	81.23	4.894	
18,100.0	9,387.0	9,289.0	9,134.8	76.6	12.4	23.99	-9,144.8	-1,264.9	390.4	308.2	82.18	4.750	
18,200.0	9,386.8	9,338.2	9,145.9	77.4	12.7	20.88	-9,191.5	-1,254.2	347.4	262.0	85.45	4.066	
18,300.0	9,386.5	9,410.0	9,156.8	78.1	13.3	15.20	-9,260.6	-1,238.0	313.9	226.5	87.36	3.592	
18,400.0	9,386.3	9,473.0	9,161.9	78.9	13.9	9.43	-9,321.8	-1,224.1	292.0	202.4	89.56	3.260	
18,500.0	9,386.1	9,546.5	9,164.2	79.7	14.6	2.62	-9,394.0	-1,210.6	282.4	191.4	90.95	3.104	
18,536.2	9,386.0	9,579.2	9,164.7	80.0	15.0	-0.45	-9,426.2	-1,204.8	281.3	190.0	91.32	3.080	
18,537.0	9,386.0	9,579.9	9,164.7	80.3	15.0	-0.51	-9,426.9	-1,204.7	281.3	189.9	91.37	3.079 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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design HONEY GRAHAM STATE PROJECT (ATLAS 2628) - TEDDY GRAHAM STATE COM #1 - OWB - ACTL													Offset Site Error:	0.0 usft
Survey Program: 207-INC-ONLY													Offset Well Error:	0.0 usft
Reference		Offset		Semi Major Axis			Distance							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
15,900.0	9,393.1	9,441.1	9,438.9	58.1	211.0	69.72	-7,802.2	-957.2	983.2	755.5	227.70	4.318		
16,000.0	9,392.8	9,441.7	9,439.4	59.0	211.0	71.63	-7,802.2	-957.2	883.2	655.3	227.86	3.876		
16,100.0	9,392.5	9,442.2	9,440.0	59.8	211.0	73.59	-7,802.2	-957.2	783.2	555.2	228.01	3.435		
16,200.0	9,392.2	9,442.8	9,440.5	60.7	211.0	75.59	-7,802.2	-957.2	683.2	455.0	228.17	2.994		
16,300.0	9,392.0	9,443.3	9,441.1	61.5	211.0	77.65	-7,802.2	-957.2	583.2	354.9	228.34	2.554		
16,400.0	9,391.7	9,443.9	9,441.6	62.4	211.0	79.74	-7,802.2	-957.2	483.3	254.8	228.52	2.115		
16,500.0	9,391.4	9,444.4	9,442.2	63.2	211.1	81.87	-7,802.2	-957.2	383.3	154.6	228.72	1.676	Advise and Monitor	
16,600.0	9,391.1	9,445.0	9,442.7	64.1	211.1	84.03	-7,802.2	-957.2	283.4	54.5	228.99	1.238	Shut in Produces	
16,700.0	9,390.8	9,445.6	9,443.3	64.9	211.1	86.22	-7,802.3	-957.2	183.6	-45.8	229.50	0.800	Stop Drilling Now	
16,800.0	9,390.5	9,446.1	9,443.9	65.8	211.1	88.42	-7,802.3	-957.2	84.3	-147.6	231.94	0.364	Stop Drilling Now	
16,883.1	9,390.3	9,446.6	9,444.3	66.5	211.1	90.26	-7,802.3	-957.2	14.6	-262.9	277.56	0.053	Stop Drilling Now, CC, ES, SF	
16,900.0	9,390.2	9,446.7	9,444.4	66.6	211.1	90.64	-7,802.3	-957.2	22.4	-234.7	257.06	0.087	Stop Drilling Now	
17,000.0	9,389.9	9,447.3	9,445.0	67.5	211.1	92.86	-7,802.3	-957.2	117.8	-113.4	231.28	0.510	Stop Drilling Now	
17,100.0	9,389.7	9,447.8	9,445.6	68.3	211.1	95.09	-7,802.3	-957.2	217.4	-12.8	230.20	0.944	Stop Drilling Now	
17,200.0	9,389.4	9,448.4	9,446.2	69.2	211.1	97.31	-7,802.3	-957.2	317.3	87.2	230.06	1.379	Shut in Produces	
17,223.1	9,389.3	9,448.5	9,446.3	69.3	211.1	97.82	-7,802.3	-957.2	340.4	110.3	230.06	1.479	Shut in Produces	
17,300.0	9,389.1	9,449.0	9,446.7	70.0	211.2	95.69	-7,802.3	-957.2	417.1	187.1	230.07	1.813	Advise and Monitor	
17,400.0	9,388.8	9,449.6	9,447.3	70.8	211.2	94.29	-7,802.3	-957.2	516.9	286.8	230.13	2.246		
17,500.0	9,388.5	9,450.1	9,447.9	71.7	211.2	93.49	-7,802.3	-957.2	616.5	386.3	230.23	2.678		
17,600.0	9,388.3	9,450.7	9,448.5	72.5	211.2	92.97	-7,802.3	-957.2	715.9	485.5	230.38	3.107		
17,700.0	9,388.0	9,451.3	9,449.1	73.4	211.2	92.60	-7,802.3	-957.2	815.1	584.5	230.59	3.535		
17,800.0	9,387.7	9,451.9	9,449.7	74.2	211.2	92.32	-7,802.3	-957.2	914.0	683.2	230.86	3.959		

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Minimum		Separation		Warning			
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toelface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	89.94	0.1	60.0	60.0				
100.0	100.0	100.0	100.0	3.0	3.0	89.94	0.1	60.0	60.0	54.0	6.00	9.994	
200.0	200.0	200.0	200.0	3.0	3.0	89.94	0.1	60.0	60.0	53.9	6.04	9.932	
300.0	300.0	300.0	300.0	3.0	3.1	89.94	0.1	60.0	60.0	53.9	6.12	9.801	
400.0	400.0	400.0	400.0	3.0	3.2	89.94	0.1	60.0	60.0	53.7	6.24	9.613	
500.0	500.0	500.0	500.0	3.1	3.4	89.94	0.1	60.0	60.0	53.6	6.40	9.379	
600.0	600.0	600.0	600.0	3.1	3.6	89.94	0.1	60.0	60.0	53.4	6.58	9.112	
700.0	700.0	700.0	700.0	3.1	3.8	89.94	0.1	60.0	60.0	53.2	6.80	8.824	
800.0	800.0	800.0	800.0	3.2	4.0	89.94	0.1	60.0	60.0	53.0	7.04	8.526	
900.0	900.0	900.0	900.0	3.2	4.2	89.94	0.1	60.0	60.0	52.7	7.29	8.225	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	4.5	89.94	0.1	60.0	60.0	52.4	7.57	7.926	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	4.8	89.94	0.1	60.0	60.0	52.1	7.86	7.635	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	5.1	89.94	0.1	60.0	60.0	51.8	8.16	7.354	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	5.3	89.94	0.1	60.0	60.0	51.5	8.47	7.083	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	5.6	89.94	0.1	60.0	60.0	51.2	8.79	6.825	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	6.0	89.94	0.1	60.0	60.0	50.9	9.12	6.579	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	6.3	89.94	0.1	60.0	60.0	50.5	9.45	6.346	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	6.6	89.94	0.1	60.0	60.0	50.2	9.79	6.125	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	6.9	89.94	0.1	60.0	60.0	49.8	10.14	5.916	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	7.2	89.94	0.1	60.0	60.0	49.5	10.49	5.718	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	7.6	89.94	0.1	60.0	60.0	49.1	10.85	5.530	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	7.9	89.94	0.1	60.0	60.0	48.8	11.21	5.353	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	8.2	89.94	0.1	60.0	60.0	48.4	11.57	5.185	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	8.6	89.94	0.1	60.0	60.0	48.1	11.94	5.026	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	8.9	89.94	0.1	60.0	60.0	47.7	12.31	4.875	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	9.2	89.94	0.1	60.0	60.0	47.3	12.68	4.732 CC, ES, SF	
2,600.0	2,600.0	2,597.8	2,597.8	4.4	9.6	-167.45	0.1	61.7	63.4	50.4	13.03	4.865	
2,700.0	2,699.8	2,695.0	2,694.8	4.5	9.9	-168.41	0.3	66.6	73.6	60.2	13.37	5.506	
2,800.0	2,799.5	2,792.1	2,791.6	4.5	10.2	-169.53	0.7	74.5	90.3	76.6	13.71	6.583	
2,900.0	2,898.7	2,889.9	2,889.0	4.5	10.5	-170.59	1.0	83.1	110.9	96.8	14.08	7.877	
3,000.0	2,997.7	2,987.4	2,986.1	4.5	10.8	-171.49	1.4	91.5	133.2	118.8	14.44	9.223	
3,100.0	3,096.8	3,084.8	3,083.2	4.6	11.2	-172.12	1.8	100.0	155.6	140.7	14.82	10.499	
3,200.0	3,195.8	3,182.3	3,180.3	4.6	11.5	-172.60	2.1	108.5	177.9	162.7	15.19	11.710	
3,300.0	3,294.8	3,279.7	3,277.4	4.6	11.8	-172.97	2.5	117.0	200.3	184.7	15.58	12.859	
3,400.0	3,393.8	3,377.2	3,374.5	4.7	12.2	-173.27	2.8	125.5	222.7	206.7	15.96	13.948	
3,500.0	3,492.9	3,474.6	3,471.6	4.7	12.5	-173.51	3.2	134.0	245.0	228.7	16.36	14.983	
3,600.0	3,591.9	3,572.1	3,568.7	4.8	12.8	-173.71	3.6	142.4	267.4	250.7	16.75	15.964	
3,700.0	3,690.9	3,669.6	3,665.7	4.8	13.2	-173.88	3.9	150.9	289.8	272.7	17.15	16.897	
3,800.0	3,789.9	3,767.0	3,762.8	4.9	13.5	-174.02	4.3	159.4	312.2	294.7	17.56	17.783	
3,900.0	3,889.0	3,864.5	3,859.9	5.0	13.8	-174.15	4.7	167.9	334.6	316.6	17.97	18.625	
4,000.0	3,988.0	3,961.9	3,957.0	5.0	14.2	-174.26	5.0	176.4	357.0	338.6	18.38	19.426	
4,100.0	4,087.0	4,059.4	4,054.1	5.1	14.5	-174.36	5.4	184.8	379.4	360.6	18.79	20.188	
4,200.0	4,186.0	4,156.9	4,151.2	5.2	14.8	-174.45	5.7	193.3	401.8	382.6	19.21	20.913	
4,300.0	4,285.1	4,254.3	4,248.3	5.3	15.2	-174.52	6.1	201.8	424.2	404.5	19.63	21.604	
4,400.0	4,384.1	4,351.8	4,345.4	5.3	15.5	-174.59	6.5	210.3	446.6	426.5	20.06	22.263	
4,500.0	4,483.1	4,449.2	4,442.5	5.4	15.9	-174.66	6.8	218.8	469.0	448.5	20.49	22.892	
4,600.0	4,582.2	4,546.7	4,539.5	5.5	16.2	-174.71	7.2	227.3	491.4	470.5	20.92	23.491	
4,700.0	4,681.2	4,644.1	4,636.6	5.6	16.5	-174.77	7.5	235.7	513.8	492.4	21.35	24.064	
4,800.0	4,780.2	4,741.6	4,733.7	5.7	16.9	-174.81	7.9	244.2	536.2	514.4	21.79	24.611	
4,900.0	4,879.2	4,839.1	4,830.8	5.8	17.2	-174.86	8.3	252.7	558.6	536.3	22.22	25.134	
5,000.0	4,978.3	4,936.5	4,927.9	5.9	17.6	-174.90	8.6	261.2	581.0	558.3	22.66	25.635	
5,100.0	5,077.3	5,034.0	5,025.0	6.0	17.9	-174.94	9.0	269.7	603.4	580.3	23.11	26.114	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 16 ST COM #704H - OWB - PWP3												Offset Site Error:	3.0 usft
Survey Program: 0-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,176.3	5,131.4	5,122.1	6.1	18.3	-174.97	9.3	278.2	625.8	602.2	23.55	26.573	
5,300.0	5,275.3	5,228.9	5,219.2	6.2	18.6	-175.00	9.7	286.6	648.2	624.2	23.99	27.012	
5,400.0	5,374.4	5,326.4	5,316.2	6.3	19.0	-175.03	10.1	295.1	670.6	646.1	24.44	27.434	
5,500.0	5,473.4	5,423.8	5,413.3	6.4	19.3	-175.06	10.4	303.6	693.0	668.1	24.89	27.839	
5,600.0	5,572.4	5,521.3	5,510.4	6.5	19.7	-175.09	10.8	312.1	715.4	690.0	25.34	28.227	
5,700.0	5,671.5	5,618.7	5,607.5	6.6	20.0	-175.11	11.2	320.6	737.8	712.0	25.80	28.601	
5,800.0	5,770.5	5,716.2	5,704.6	6.7	20.3	-175.14	11.5	329.1	760.2	733.9	26.25	28.959	
5,900.0	5,869.5	5,813.6	5,801.7	6.8	20.7	-175.16	11.9	337.5	782.6	755.9	26.70	29.304	
6,000.0	5,968.5	5,911.1	5,898.8	6.9	21.0	-175.18	12.2	346.0	805.0	777.8	27.16	29.636	
6,100.0	6,067.6	6,008.6	5,995.9	7.0	21.4	-175.20	12.6	354.5	827.4	799.7	27.62	29.956	
6,200.0	6,166.6	6,106.0	6,092.9	7.1	21.7	-175.22	13.0	363.0	849.8	821.7	28.08	30.263	
6,300.0	6,265.6	6,203.5	6,190.0	7.2	22.1	-175.24	13.3	371.5	872.2	843.6	28.54	30.560	
6,400.0	6,364.6	6,300.9	6,287.1	7.3	22.4	-175.25	13.7	379.9	894.6	865.6	29.00	30.846	
6,500.0	6,463.7	6,398.4	6,384.2	7.5	22.8	-175.27	14.0	388.4	917.0	887.5	29.46	31.122	
6,600.0	6,562.7	6,495.9	6,481.3	7.6	23.1	-175.29	14.4	396.9	939.4	909.4	29.93	31.388	
6,700.0	6,661.7	6,593.3	6,578.4	7.7	23.5	-175.30	14.8	405.4	961.8	931.4	30.39	31.645	
6,800.0	6,760.7	6,690.8	6,675.5	7.8	23.8	-175.31	15.1	413.9	984.2	953.3	30.86	31.893	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	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 - PWP3												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	90.04	0.0	30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	90.04	0.0	30.0	30.0	24.0	6.00	4.993	
200.0	200.0	200.0	200.0	3.0	3.0	90.04	0.0	30.0	30.0	24.0	6.00	4.991	
300.0	300.0	300.0	300.0	3.0	3.0	90.04	0.0	30.0	30.0	24.0	6.01	4.986	
400.0	400.0	400.0	400.0	3.0	3.0	90.04	0.0	30.0	30.0	23.9	6.02	4.978	
500.0	500.0	500.0	500.0	3.1	3.1	90.04	0.0	30.0	30.0	23.9	6.03	4.968	
600.0	600.0	600.0	600.0	3.1	3.1	90.04	0.0	30.0	30.0	23.9	6.05	4.955	
700.0	700.0	700.0	700.0	3.1	3.1	90.04	0.0	30.0	30.0	23.9	6.07	4.940	
800.0	800.0	800.0	800.0	3.2	3.2	90.04	0.0	30.0	30.0	23.9	6.09	4.922	
900.0	900.0	900.0	900.0	3.2	3.2	90.04	0.0	30.0	30.0	23.8	6.11	4.902	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	90.04	0.0	30.0	30.0	23.8	6.14	4.879	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	90.04	0.0	30.0	30.0	23.8	6.17	4.855	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	90.04	0.0	30.0	30.0	23.8	6.21	4.828	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	90.04	0.0	30.0	30.0	23.7	6.24	4.799	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	90.04	0.0	30.0	30.0	23.7	6.28	4.769	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	90.04	0.0	30.0	30.0	23.6	6.33	4.736	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	90.04	0.0	30.0	30.0	23.6	6.37	4.702	
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	90.04	0.0	30.0	30.0	23.5	6.42	4.667	
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	90.04	0.0	30.0	30.0	23.5	6.47	4.630	
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	90.04	0.0	30.0	30.0	23.4	6.52	4.592	
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	90.04	0.0	30.0	30.0	23.4	6.58	4.553	
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	90.04	0.0	30.0	30.0	23.3	6.64	4.513	
2,200.0	2,200.0	2,200.0	2,200.0	4.1	4.1	90.04	0.0	30.0	30.0	23.3	6.70	4.472	
2,300.0	2,300.0	2,300.0	2,300.0	4.2	4.2	90.04	0.0	30.0	30.0	23.2	6.76	4.430	
2,400.0	2,400.0	2,400.0	2,400.0	4.3	4.3	90.04	0.0	30.0	30.0	23.1	6.83	4.387	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	90.04	0.0	30.0	30.0	23.1	6.90	4.344 CC, ES, SF	
2,600.0	2,600.0	2,600.0	2,600.0	4.4	4.5	-167.67	0.0	30.0	31.7	24.7	6.97	4.545	
2,700.0	2,699.8	2,699.8	2,699.8	4.5	4.6	-169.39	0.0	30.0	36.8	29.8	7.04	5.226	
2,800.0	2,799.5	2,799.5	2,799.5	4.5	4.7	-171.39	0.0	30.0	45.4	38.3	7.12	6.375	
2,900.0	2,898.7	2,898.7	2,898.7	4.5	4.8	-173.18	0.0	30.0	57.5	50.3	7.20	7.976	
3,000.0	2,997.7	2,997.7	2,997.7	4.5	4.9	-174.51	0.0	30.0	71.3	64.0	7.29	9.778	
3,100.0	3,096.8	3,096.8	3,096.8	4.6	5.0	-175.40	0.0	30.0	85.2	77.8	7.38	11.537	
3,200.0	3,195.8	3,195.8	3,195.8	4.6	5.1	-176.05	0.0	30.0	99.1	91.6	7.48	13.250	
3,300.0	3,294.8	3,294.8	3,294.8	4.6	5.2	-176.54	0.0	30.0	112.9	105.4	7.57	14.916	
3,400.0	3,393.8	3,393.8	3,393.8	4.7	5.3	-176.92	0.0	30.0	126.8	119.2	7.67	16.533	
3,500.0	3,492.9	3,492.9	3,492.9	4.7	5.4	-177.22	0.0	30.0	140.7	133.0	7.78	18.100	
3,600.0	3,591.9	3,591.9	3,591.9	4.8	5.5	-177.47	0.0	30.0	154.6	146.8	7.88	19.617	
3,700.0	3,690.9	3,690.9	3,690.9	4.8	5.6	-177.68	0.0	30.0	168.5	160.5	7.99	21.084	
3,800.0	3,789.9	3,789.9	3,789.9	4.9	5.8	-177.86	0.0	30.0	182.4	174.3	8.11	22.501	
3,900.0	3,889.0	3,889.0	3,889.0	5.0	5.9	-178.01	0.0	30.0	196.4	188.1	8.23	23.869	
4,000.0	3,988.0	3,988.0	3,988.0	5.0	6.0	-178.14	0.0	30.0	210.3	201.9	8.35	25.188	
4,100.0	4,087.0	4,087.0	4,087.0	5.1	6.1	-178.26	0.0	30.0	224.2	215.7	8.47	26.459	
4,200.0	4,186.0	4,186.0	4,186.0	5.2	6.2	-178.36	0.0	30.0	238.1	229.5	8.60	27.683	
4,300.0	4,285.1	4,285.1	4,285.1	5.3	6.3	-178.45	0.0	30.0	252.0	243.3	8.73	28.862	
4,400.0	4,384.1	4,384.1	4,384.1	5.3	6.4	-178.53	0.0	30.0	265.9	257.0	8.87	29.996	
4,500.0	4,483.1	4,483.1	4,483.1	5.4	6.6	-178.60	0.0	30.0	279.8	270.8	9.00	31.086	
4,600.0	4,582.2	4,582.2	4,582.2	5.5	6.7	-178.67	0.0	30.0	293.7	284.6	9.14	32.135	
4,700.0	4,681.2	4,681.2	4,681.2	5.6	6.8	-178.73	0.0	30.0	307.7	298.4	9.28	33.144	
4,800.0	4,780.2	4,780.2	4,780.2	5.7	6.9	-178.78	0.0	30.0	321.6	312.1	9.43	34.113	
4,900.0	4,879.2	4,879.2	4,879.2	5.8	7.0	-178.83	0.0	30.0	335.5	325.9	9.57	35.045	
5,000.0	4,978.3	4,978.3	4,978.3	5.9	7.1	-178.88	0.0	30.0	349.4	339.7	9.72	35.941	
5,100.0	5,077.3	5,077.3	5,077.3	6.0	7.3	-178.92	0.0	30.0	363.3	353.4	9.87	36.802	

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 #706H
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 #706H	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 - PWP3												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	
5,200.0	5,176.3	5,176.3	5,176.3	6.1	7.4	-178.96	0.0	30.0	377.2	367.2	10.02	37.629	
5,300.0	5,275.3	5,275.3	5,275.3	6.2	7.5	-179.00	0.0	30.0	391.1	381.0	10.18	38.425	
5,400.0	5,374.4	5,374.4	5,374.4	6.3	7.6	-179.03	0.0	30.0	405.1	394.7	10.34	39.190	
5,500.0	5,473.4	5,473.4	5,473.4	6.4	7.7	-179.07	0.0	30.0	419.0	408.5	10.49	39.925	
5,600.0	5,572.4	5,572.4	5,572.4	6.5	7.9	-179.10	0.0	30.0	432.9	422.2	10.65	40.633	
5,700.0	5,671.5	5,671.5	5,671.5	6.6	8.0	-179.12	0.0	30.0	446.8	436.0	10.82	41.313	
5,800.0	5,770.5	5,770.5	5,770.5	6.7	8.1	-179.15	0.0	30.0	460.7	449.7	10.98	41.967	
5,900.0	5,869.5	5,869.5	5,869.5	6.8	8.2	-179.18	0.0	30.0	474.6	463.5	11.14	42.597	
6,000.0	5,968.5	5,968.5	5,968.5	6.9	8.3	-179.20	0.0	30.0	488.6	477.2	11.31	43.204	
6,100.0	6,067.6	6,067.6	6,067.6	7.0	8.5	-179.22	0.0	30.0	502.5	491.0	11.48	43.787	
6,200.0	6,166.6	6,166.6	6,166.6	7.1	8.6	-179.24	0.0	30.0	516.4	504.7	11.64	44.349	
6,300.0	6,265.6	6,265.6	6,265.6	7.2	8.7	-179.26	0.0	30.0	530.3	518.5	11.81	44.891	
6,400.0	6,364.6	6,364.6	6,364.6	7.3	8.8	-179.28	0.0	30.0	544.2	532.2	11.98	45.412	
6,500.0	6,463.7	6,463.7	6,463.7	7.5	9.0	-179.30	0.0	30.0	558.1	546.0	12.16	45.915	
6,600.0	6,562.7	6,562.7	6,562.7	7.6	9.1	-179.32	0.0	30.0	572.0	559.7	12.33	46.400	
6,700.0	6,661.7	6,661.7	6,661.7	7.7	9.2	-179.33	0.0	30.0	586.0	573.5	12.50	46.867	
6,800.0	6,760.7	6,760.7	6,760.7	7.8	9.3	-179.35	0.0	30.0	599.9	587.2	12.68	47.318	
6,900.0	6,859.8	6,859.8	6,859.8	7.9	9.4	-179.36	0.0	30.0	613.8	600.9	12.85	47.753	
7,000.0	6,958.8	6,958.8	6,958.8	8.1	9.6	-179.38	0.0	30.0	627.7	614.7	13.03	48.173	
7,100.0	7,057.8	7,057.8	7,057.8	8.2	9.7	-179.39	0.0	30.0	641.6	628.4	13.21	48.579	
7,200.0	7,156.9	7,156.9	7,156.9	8.3	9.8	-179.40	0.0	30.0	655.5	642.2	13.39	48.971	
7,300.0	7,255.9	7,255.9	7,255.9	8.4	9.9	-179.42	0.0	30.0	669.5	655.9	13.57	49.349	
7,400.0	7,354.9	7,354.9	7,354.9	8.6	10.1	-179.43	0.0	30.0	683.4	669.6	13.75	49.714	
7,500.0	7,453.9	7,453.9	7,453.9	8.7	10.2	-179.44	0.0	30.0	697.3	683.4	13.93	50.068	
7,600.0	7,553.0	7,553.0	7,553.0	8.8	10.3	-179.45	0.0	30.0	711.2	697.1	14.11	50.409	
7,700.0	7,652.0	7,652.0	7,652.0	8.9	10.4	-179.46	0.0	30.0	725.1	710.8	14.29	50.740	
7,800.0	7,751.0	7,751.0	7,751.0	9.1	10.6	-179.47	0.0	30.0	739.0	724.6	14.47	51.060	
7,900.0	7,850.0	7,850.0	7,850.0	9.2	10.7	-179.48	0.0	30.0	753.0	738.3	14.66	51.369	
8,000.0	7,949.1	7,949.1	7,949.1	9.3	10.8	-179.49	0.0	30.0	766.9	752.0	14.84	51.668	
8,100.0	8,048.1	8,048.1	8,048.1	9.5	10.9	-179.50	0.0	30.0	780.8	765.8	15.03	51.958	
8,200.0	8,147.1	8,147.1	8,147.1	9.6	11.1	-179.51	0.0	30.0	794.7	779.5	15.21	52.239	
8,300.0	8,246.1	8,246.1	8,246.1	9.7	11.2	-179.52	0.0	30.0	808.6	793.2	15.40	52.511	
8,400.0	8,345.2	8,345.2	8,345.2	9.9	11.3	-179.52	0.0	30.0	822.5	807.0	15.59	52.775	
8,500.0	8,444.2	8,444.2	8,444.2	10.0	11.4	-179.53	0.0	30.0	836.5	820.7	15.77	53.030	
8,600.0	8,543.2	8,543.2	8,543.2	10.1	11.6	-179.54	0.0	30.0	850.4	834.4	15.96	53.278	
8,700.0	8,642.3	8,642.3	8,642.3	10.3	11.7	-179.55	0.0	30.0	864.3	848.1	16.15	53.518	
8,800.0	8,741.3	8,741.3	8,741.3	10.4	11.8	-179.55	0.0	30.0	878.2	861.9	16.34	53.751	
8,900.0	8,840.3	8,840.3	8,840.3	10.6	12.0	-179.54	-0.3	29.9	892.0	875.5	16.51	54.016	
9,000.0	8,939.3	8,939.3	8,939.3	10.7	12.0	-176.59	-49.6	22.5	897.8	881.0	16.80	53.445	
9,018.7	8,957.9	9,106.5	9,095.7	10.7	12.1	-175.65	-65.2	20.1	897.7	880.8	16.91	53.083	
9,025.0	8,964.1	9,118.0	9,105.9	10.8	12.1	-170.41	-70.6	19.3	897.6	880.6	16.93	53.004	
9,050.0	8,988.8	9,162.9	9,144.3	10.8	12.1	-152.89	-93.5	15.9	897.1	880.0	17.05	52.602	
9,075.0	9,013.3	9,205.6	9,179.0	10.8	12.1	-140.50	-118.0	12.2	896.5	879.3	17.18	52.179	
9,100.0	9,037.7	9,246.2	9,210.3	10.8	12.2	-131.72	-143.7	8.3	895.8	878.5	17.31	51.751	
9,125.0	9,061.8	9,285.0	9,238.4	10.8	12.2	-125.26	-170.2	4.3	895.0	877.6	17.44	51.325	
9,150.0	9,085.5	9,322.1	9,263.4	10.8	12.3	-120.29	-197.2	0.2	894.3	876.7	17.56	50.916	
9,175.0	9,108.8	9,357.6	9,285.7	10.8	12.3	-116.31	-224.5	-3.9	893.5	875.8	17.68	50.533	
9,200.0	9,131.7	9,391.7	9,305.5	10.8	12.3	-113.02	-251.9	-8.1	892.7	874.9	17.80	50.147	
9,225.0	9,154.0	9,424.4	9,322.9	10.8	12.4	-110.24	-279.4	-12.2	892.0	874.0	17.92	49.779	
9,250.0	9,175.7	9,456.0	9,338.2	10.8	12.4	-107.82	-306.7	-16.3	891.2	873.2	18.03	49.427	
9,275.0	9,196.8	9,486.6	9,351.4	10.8	12.4	-105.69	-333.9	-20.4	890.5	872.4	18.15	49.075	
9,300.0	9,217.2	9,516.1	9,362.9	10.8	12.5	-103.79	-360.9	-24.5	889.9	871.6	18.26	48.725	

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 #706H
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 #706H	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 - PWP3												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 Toelface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,325.0	9,236.8	9,544.8	9,372.6	10.9	12.5	-102.07	-387.5	-28.5	889.2	870.9	18.38	48.375	
9,350.0	9,255.6	9,572.6	9,380.7	10.9	12.5	-100.51	-413.8	-32.5	888.6	870.1	18.51	48.015	
9,375.0	9,273.5	9,599.7	9,387.4	10.9	12.5	-99.07	-439.8	-36.4	888.1	869.4	18.64	47.653	
9,400.0	9,290.5	9,626.2	9,392.8	10.9	12.6	-97.74	-465.4	-40.3	887.5	868.8	18.77	47.273	
9,425.0	9,306.5	9,652.0	9,396.8	11.0	12.6	-96.51	-490.6	-44.1	887.0	868.1	18.92	46.887	
9,450.0	9,321.5	9,677.3	9,399.6	11.0	12.6	-95.37	-515.5	-47.8	886.5	867.4	19.07	46.484	
9,475.0	9,335.5	9,702.0	9,401.3	11.0	12.6	-94.31	-539.9	-51.5	886.0	866.8	19.23	46.072	
9,500.0	9,348.4	9,726.3	9,402.0	11.1	12.6	-93.32	-563.9	-55.1	885.5	866.1	19.40	45.647	
9,525.0	9,360.1	9,744.4	9,401.9	11.1	12.6	-92.58	-581.8	-57.8	885.0	865.5	19.53	45.322	
9,550.0	9,370.7	9,761.7	9,401.9	11.2	12.6	-91.93	-598.9	-60.2	884.7	865.0	19.66	45.000	
9,575.0	9,380.1	9,779.4	9,401.8	11.2	12.6	-91.35	-616.4	-62.6	884.5	864.7	19.80	44.663	
9,600.0	9,388.3	9,800.0	9,401.8	11.2	12.6	-90.79	-636.9	-65.3	884.3	864.4	19.98	44.267	
9,625.0	9,395.3	9,815.7	9,401.7	11.3	12.6	-90.39	-652.5	-67.2	884.2	864.1	20.12	43.948	
9,650.0	9,401.0	9,834.3	9,401.7	11.3	12.7	-90.03	-671.0	-69.4	884.2	863.9	20.29	43.575	
9,675.0	9,405.4	9,853.1	9,401.6	11.4	12.7	-89.74	-689.7	-71.4	884.1	863.7	20.46	43.203	
9,700.0	9,408.6	9,872.1	9,401.6	11.5	12.7	-89.53	-708.5	-73.4	884.1	863.5	20.64	42.835	
9,714.0	9,409.8	9,882.7	9,401.6	11.5	12.7	-89.46	-719.1	-74.4	884.1	863.3	20.74	42.630	
9,725.0	9,410.4	9,900.0	9,401.5	11.5	12.7	-89.39	-736.3	-76.1	884.1	863.2	20.89	42.321	
9,749.8	9,411.0	9,900.0	9,401.5	11.6	12.7	-89.38	-736.3	-76.1	884.1	863.2	20.90	42.291	
9,752.5	9,411.0	9,912.1	9,401.5	11.6	12.7	-89.38	-748.4	-77.1	884.0	863.0	21.01	42.070	
9,800.0	9,410.8	9,948.4	9,401.4	11.7	12.7	-89.39	-784.6	-80.0	883.7	862.3	21.36	41.366	
9,900.0	9,410.5	10,024.8	9,401.2	12.0	12.7	-89.39	-860.8	-84.6	882.6	860.4	22.16	39.825	
10,000.0	9,410.2	10,100.0	9,401.0	12.4	12.8	-89.40	-936.0	-87.2	880.6	857.6	23.01	38.263	
10,024.0	9,410.2	10,119.7	9,400.9	12.5	12.8	-89.40	-955.6	-87.5	880.0	856.7	23.24	37.861	
10,100.0	9,410.0	10,177.8	9,400.8	12.8	12.8	-89.40	-1,013.7	-87.7	878.8	854.8	23.95	36.691	
10,116.9	9,409.9	10,190.7	9,400.7	12.9	12.8	-89.40	-1,026.7	-87.6	878.7	854.6	24.11	36.440	
10,200.0	9,409.7	10,269.1	9,400.5	13.3	12.9	-89.40	-1,105.1	-86.4	879.0	854.0	25.07	35.065	
10,300.0	9,409.4	10,369.1	9,400.2	13.8	13.2	-89.41	-1,205.1	-84.8	879.5	853.1	26.32	33.410	
10,400.0	9,409.1	10,469.1	9,400.0	14.3	13.7	-89.41	-1,305.0	-83.2	879.9	852.3	27.63	31.848	
10,500.0	9,408.8	10,569.1	9,399.7	14.9	14.3	-89.41	-1,405.0	-81.5	880.3	851.4	28.98	30.382	
10,600.0	9,408.5	10,669.1	9,399.4	15.5	15.0	-89.41	-1,505.0	-79.9	880.8	850.4	30.36	29.011	
10,700.0	9,408.2	10,769.1	9,399.2	16.2	15.8	-89.41	-1,605.0	-78.3	881.2	849.4	31.78	27.731	
10,800.0	9,407.9	10,869.1	9,398.9	16.8	16.5	-89.41	-1,705.0	-76.7	881.6	848.4	33.22	26.538	
10,900.0	9,407.6	10,969.1	9,398.6	17.5	17.3	-89.42	-1,805.0	-75.0	882.1	847.4	34.69	25.425	
11,000.0	9,407.3	11,069.1	9,398.3	18.2	18.1	-89.42	-1,905.0	-73.4	882.5	846.3	36.18	24.388	
11,100.0	9,407.0	11,169.1	9,398.1	18.9	18.9	-89.42	-2,004.9	-71.8	882.9	845.2	37.70	23.422	
11,200.0	9,406.7	11,269.1	9,397.8	19.6	19.7	-89.42	-2,104.9	-70.2	883.3	844.1	39.23	22.520	
11,300.0	9,406.4	11,369.1	9,397.5	20.4	20.5	-89.42	-2,204.9	-68.5	883.8	843.0	40.77	21.677	
11,400.0	9,406.1	11,469.1	9,397.3	21.1	21.3	-89.43	-2,304.9	-66.9	884.2	841.9	42.33	20.889	
11,500.0	9,405.8	11,569.1	9,397.0	21.9	22.1	-89.43	-2,404.9	-65.3	884.6	840.7	43.90	20.152	
11,600.0	9,405.5	11,669.1	9,396.7	22.6	22.9	-89.43	-2,504.9	-63.7	885.1	839.6	45.48	19.461	
11,700.0	9,405.2	11,769.1	9,396.5	23.4	23.7	-89.43	-2,604.9	-62.0	885.5	838.4	47.07	18.812	
11,800.0	9,404.9	11,869.1	9,396.2	24.2	24.6	-89.43	-2,704.8	-60.4	885.9	837.3	48.67	18.203	
11,900.0	9,404.7	11,969.1	9,395.9	24.9	25.4	-89.43	-2,804.8	-58.8	886.4	836.1	50.28	17.629	
12,000.0	9,404.4	12,069.1	9,395.6	25.7	26.2	-89.44	-2,904.8	-57.2	886.8	834.9	51.89	17.088	
12,100.0	9,404.1	12,169.1	9,395.4	26.5	27.0	-89.44	-3,004.8	-55.5	887.2	833.7	53.52	16.579	
12,200.0	9,403.8	12,269.1	9,395.1	27.3	27.9	-89.44	-3,104.8	-53.9	887.6	832.5	55.14	16.097	
12,257.8	9,403.6	12,326.9	9,394.9	27.8	28.3	-89.44	-3,162.6	-53.0	887.9	831.8	56.09	15.831	
12,293.3	9,403.5	12,371.1	9,394.8	28.1	28.7	-89.44	-3,206.7	-52.4	888.2	831.4	56.75	15.650	
12,300.0	9,403.5	12,380.8	9,394.8	28.1	28.8	-89.44	-3,216.4	-52.4	888.2	831.3	56.89	15.612	
12,400.0	9,403.2	12,484.0	9,394.5	28.9	29.7	-89.44	-3,319.6	-52.4	888.2	829.7	58.56	15.167	
12,500.0	9,402.9	12,584.0	9,394.3	29.7	30.5	-89.44	-3,419.6	-52.4	888.2	828.0	60.20	14.754	

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 #706H
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 #706H	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 - PWP3												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 Toelface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
12,600.0	9,402.6	12,684.0	9,394.0	30.5	31.3	-89.44	-3,519.6	-52.5	888.2	826.4	61.85	14.361	
12,700.0	9,402.3	12,784.0	9,393.7	31.3	32.2	-89.44	-3,619.6	-52.5	888.2	824.7	63.50	13.988	
12,800.0	9,402.0	12,884.0	9,393.4	32.2	33.0	-89.45	-3,719.6	-52.6	888.2	823.1	65.15	13.633	
12,900.0	9,401.7	12,984.0	9,393.2	33.0	33.8	-89.45	-3,819.6	-52.6	888.2	821.4	66.81	13.294	
13,000.0	9,401.5	13,084.0	9,392.9	33.8	34.7	-89.45	-3,919.6	-52.7	888.2	819.7	68.47	12.972	
13,100.0	9,401.2	13,184.0	9,392.6	34.6	35.5	-89.45	-4,019.6	-52.7	888.2	818.1	70.13	12.664	
13,200.0	9,400.9	13,284.0	9,392.4	35.4	36.4	-89.45	-4,119.6	-52.8	888.2	816.4	71.80	12.371	
13,300.0	9,400.6	13,384.0	9,392.1	36.3	37.2	-89.45	-4,219.6	-52.8	888.2	814.7	73.47	12.090	
13,400.0	9,400.3	13,484.0	9,391.8	37.1	38.1	-89.45	-4,319.6	-52.9	888.2	813.0	75.14	11.821	
13,500.0	9,400.0	13,584.0	9,391.6	37.9	38.9	-89.45	-4,419.6	-52.9	888.2	811.4	76.81	11.563	
13,600.0	9,399.7	13,684.0	9,391.3	38.7	39.7	-89.46	-4,519.6	-53.0	888.2	809.7	78.48	11.317	
13,700.0	9,399.4	13,784.0	9,391.0	39.6	40.6	-89.46	-4,619.6	-53.0	888.2	808.0	80.16	11.080	
13,800.0	9,399.2	13,884.0	9,390.8	40.4	41.4	-89.46	-4,719.6	-53.1	888.2	806.3	81.84	10.853	
13,900.0	9,398.9	13,984.0	9,390.5	41.2	42.3	-89.46	-4,819.6	-53.1	888.2	804.6	83.52	10.634	
14,000.0	9,398.6	14,084.0	9,390.2	42.1	43.1	-89.46	-4,919.6	-53.2	888.2	803.0	85.20	10.424	
14,100.0	9,398.3	14,184.0	9,390.0	42.9	44.0	-89.46	-5,019.6	-53.2	888.2	801.3	86.88	10.222	
14,200.0	9,398.0	14,284.0	9,389.7	43.7	44.8	-89.46	-5,119.6	-53.3	888.2	799.6	88.57	10.028	
14,300.0	9,397.7	14,384.0	9,389.4	44.6	45.7	-89.47	-5,219.6	-53.3	888.2	797.9	90.25	9.841	
14,400.0	9,397.4	14,484.0	9,389.2	45.4	46.5	-89.47	-5,319.6	-53.4	888.2	796.2	91.94	9.660	
14,500.0	9,397.1	14,584.0	9,388.9	46.3	47.4	-89.47	-5,419.6	-53.4	888.1	794.5	93.63	9.486	
14,600.0	9,396.9	14,684.0	9,388.6	47.1	48.2	-89.47	-5,519.6	-53.5	888.1	792.8	95.32	9.318	
14,700.0	9,396.6	14,784.0	9,388.4	47.9	49.1	-89.47	-5,619.6	-53.5	888.1	791.1	97.01	9.155	
14,800.0	9,396.3	14,884.0	9,388.1	48.8	49.9	-89.47	-5,719.6	-53.6	888.1	789.4	98.70	8.998	
14,900.0	9,396.0	14,984.0	9,387.8	49.6	50.8	-89.47	-5,819.6	-53.6	888.1	787.7	100.39	8.847	
15,000.0	9,395.7	15,084.0	9,387.6	50.5	51.6	-89.47	-5,919.6	-53.7	888.1	786.0	102.09	8.700	
15,100.0	9,395.4	15,184.0	9,387.3	51.3	52.5	-89.48	-6,019.6	-53.7	888.1	784.3	103.78	8.558	
15,200.0	9,395.1	15,284.0	9,387.0	52.1	53.3	-89.48	-6,119.6	-53.7	888.1	782.6	105.48	8.420	
15,300.0	9,394.8	15,384.0	9,386.7	53.0	54.2	-89.48	-6,219.6	-53.8	888.1	781.0	107.17	8.287	
15,400.0	9,394.5	15,484.0	9,386.5	53.8	55.0	-89.48	-6,319.6	-53.8	888.1	779.3	108.87	8.158	
15,500.0	9,394.3	15,584.0	9,386.2	54.7	55.9	-89.48	-6,419.6	-53.9	888.1	777.5	110.57	8.032	
15,600.0	9,394.0	15,684.0	9,385.9	55.5	56.8	-89.48	-6,519.6	-53.9	888.1	775.8	112.26	7.911	
15,700.0	9,393.7	15,784.0	9,385.7	56.4	57.6	-89.48	-6,619.6	-54.0	888.1	774.1	113.96	7.793	
15,800.0	9,393.4	15,884.0	9,385.4	57.2	58.5	-89.48	-6,719.6	-54.0	888.1	772.4	115.66	7.678	
15,900.0	9,393.1	15,984.0	9,385.1	58.1	59.3	-89.49	-6,819.6	-54.1	888.1	770.7	117.36	7.567	
16,000.0	9,392.8	16,084.0	9,384.9	58.9	60.2	-89.49	-6,919.6	-54.1	888.1	769.0	119.06	7.459	
16,100.0	9,392.5	16,184.0	9,384.6	59.8	61.0	-89.49	-7,019.6	-54.2	888.1	767.3	120.76	7.354	
16,200.0	9,392.2	16,284.0	9,384.3	60.6	61.9	-89.49	-7,119.6	-54.2	888.1	765.6	122.46	7.252	
16,300.0	9,392.0	16,384.0	9,384.1	61.4	62.7	-89.49	-7,219.6	-54.3	888.1	763.9	124.17	7.152	
16,400.0	9,391.7	16,484.0	9,383.8	62.3	63.6	-89.49	-7,319.6	-54.3	888.1	762.2	125.87	7.056	
16,500.0	9,391.4	16,584.0	9,383.5	63.1	64.4	-89.49	-7,419.6	-54.4	888.1	760.5	127.57	6.961	
16,600.0	9,391.1	16,684.0	9,383.3	64.0	65.3	-89.49	-7,519.6	-54.4	888.1	758.8	129.27	6.870	
16,700.0	9,390.8	16,784.0	9,383.0	64.8	66.1	-89.50	-7,619.6	-54.5	888.1	757.1	130.98	6.780	
16,800.0	9,390.5	16,884.0	9,382.7	65.7	67.0	-89.50	-7,719.6	-54.5	888.1	755.4	132.68	6.693	
16,900.0	9,390.2	16,984.0	9,382.5	66.5	67.9	-89.50	-7,819.6	-54.6	888.1	753.7	134.39	6.608	
17,000.0	9,389.9	17,084.0	9,382.2	67.4	68.7	-89.50	-7,919.6	-54.6	888.1	752.0	136.09	6.525	
17,100.0	9,389.7	17,184.0	9,381.9	68.2	69.6	-89.50	-8,019.6	-54.7	888.1	750.3	137.80	6.445	
17,200.0	9,389.4	17,284.0	9,381.7	69.1	70.4	-89.50	-8,119.6	-54.7	888.1	748.6	139.50	6.366	
17,223.1	9,389.3	17,307.1	9,381.6	69.3	70.6	-89.50	-8,142.7	-54.7	888.1	748.2	139.90	6.348	
17,223.2	9,389.3	17,307.2	9,381.6	69.3	70.6	-89.50	-8,142.8	-54.7	888.1	748.2	139.90	6.348	
17,300.0	9,389.1	17,384.0	9,381.4	69.9	71.3	-89.50	-8,219.6	-54.8	889.1	747.9	141.21	6.296	
17,400.0	9,388.8	17,483.9	9,381.1	70.8	72.1	-89.50	-8,319.5	-54.8	893.5	750.6	142.91	6.252	
17,500.0	9,388.5	17,583.5	9,380.9	71.6	73.0	-89.49	-8,419.2	-54.9	901.4	756.8	144.60	6.234	

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 #706H
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 #706H	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 - PWP3												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
17,600.0	9,388.3	17,700.2	9,380.5	72.5	74.0	-89.49	-8,535.8	-55.9	912.0	765.6	146.43	6.228	
17,700.0	9,388.0	17,799.3	9,380.3	73.3	74.8	-89.49	-8,634.9	-57.8	925.0	776.9	148.11	6.245	
17,800.0	9,387.7	17,898.0	9,380.0	74.1	75.7	-89.50	-8,733.6	-59.7	941.4	791.6	149.77	6.285	
17,900.0	9,387.5	17,996.0	9,379.7	74.9	76.5	-89.50	-8,831.5	-61.6	961.2	809.8	151.42	6.348	
18,000.0	9,387.2	18,093.2	9,379.5	75.7	77.3	-89.50	-8,928.8	-63.5	984.5	831.4	153.06	6.432	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	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	-165.02	-780.9	-209.0	808.4				
100.0	100.0	108.0	108.0	3.0	3.0	-165.02	-780.9	-209.0	808.4	802.4	6.00	134.708	
200.0	200.0	208.0	208.0	3.0	3.0	-165.02	-780.9	-209.0	808.4	802.4	6.01	134.488	
300.0	300.0	308.0	308.0	3.0	3.0	-165.02	-780.9	-209.0	808.4	802.3	6.03	134.025	
400.0	400.0	408.0	408.0	3.0	3.0	-165.02	-780.9	-209.0	808.4	802.3	6.06	133.326	
500.0	500.0	508.0	508.0	3.1	3.1	-165.02	-780.9	-209.0	808.4	802.3	6.11	132.402	
600.0	600.0	608.0	608.0	3.1	3.1	-165.02	-780.9	-209.0	808.4	802.2	6.16	131.267	
700.0	700.0	708.0	708.0	3.1	3.1	-165.02	-780.9	-209.0	808.4	802.1	6.22	129.938	
800.0	800.0	808.0	808.0	3.2	3.2	-165.02	-780.9	-209.0	808.4	802.1	6.29	128.434	
900.0	900.0	908.0	908.0	3.2	3.2	-165.02	-780.9	-209.0	808.4	802.0	6.38	126.773	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-165.02	-780.9	-209.0	808.4	801.9	6.47	124.978	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-165.02	-780.9	-209.0	808.4	801.8	6.57	123.067	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-165.02	-780.9	-209.0	808.4	801.7	6.68	121.061	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-165.02	-780.9	-209.0	808.4	801.6	6.79	118.980	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-165.02	-780.9	-209.0	808.4	801.4	6.92	116.840	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-165.02	-780.9	-209.0	808.4	801.3	7.05	114.659	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-165.02	-780.9	-209.0	808.4	801.2	7.19	112.451	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-165.02	-780.9	-209.0	808.4	801.0	7.33	110.230	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-165.02	-780.9	-209.0	808.4	800.9	7.48	108.008	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-165.02	-780.9	-209.0	808.4	800.7	7.64	105.795	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-165.02	-780.9	-209.0	808.4	800.6	7.80	103.599	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-165.02	-780.9	-209.0	808.4	800.4	7.97	101.430	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-165.02	-780.9	-209.0	808.4	800.2	8.14	99.291	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-165.02	-780.9	-209.0	808.4	800.0	8.32	97.190	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-165.02	-780.9	-209.0	808.4	799.9	8.50	95.129	
2,500.0	2,500.0	2,508.0	2,508.0	4.4	4.4	-165.02	-780.9	-209.0	808.4	799.7	8.68	93.112	
2,600.0	2,600.0	2,608.0	2,608.0	4.4	4.5	-62.14	-780.9	-209.0	807.5	798.7	8.82	91.535	
2,700.0	2,699.8	2,707.8	2,707.8	4.5	4.6	-62.51	-780.9	-209.0	805.1	796.2	8.92	90.241	
2,800.0	2,799.5	2,807.5	2,807.5	4.5	4.7	-63.14	-780.9	-209.0	801.1	792.1	9.03	88.718	
2,900.0	2,898.7	2,906.7	2,906.7	4.5	4.8	-64.01	-780.9	-209.0	795.7	786.5	9.15	86.985	
3,000.0	2,997.7	3,005.7	3,005.7	4.5	4.9	-64.91	-780.9	-209.0	789.6	780.3	9.27	85.165	
3,100.0	3,096.8	3,104.8	3,104.8	4.6	5.0	-65.83	-780.9	-209.0	783.8	774.4	9.40	83.368	
3,200.0	3,195.8	3,203.8	3,203.8	4.6	5.1	-66.75	-780.9	-209.0	778.1	768.6	9.54	81.599	
3,300.0	3,294.8	3,302.8	3,302.8	4.6	5.2	-67.69	-780.9	-209.0	772.7	763.0	9.68	79.860	
3,400.0	3,393.8	3,401.8	3,401.8	4.7	5.3	-68.65	-780.9	-209.0	767.5	757.7	9.82	78.155	
3,500.0	3,492.9	3,500.9	3,500.9	4.7	5.4	-69.61	-780.9	-209.0	762.5	752.5	9.97	76.485	
3,600.0	3,591.9	3,599.9	3,599.9	4.8	5.5	-70.59	-780.9	-209.0	757.7	747.6	10.12	74.853	
3,700.0	3,690.9	3,698.9	3,698.9	4.8	5.7	-71.58	-780.9	-209.0	753.1	742.9	10.28	73.261	
3,800.0	3,789.9	3,797.9	3,797.9	4.9	5.8	-72.58	-780.9	-209.0	748.8	738.4	10.44	71.711	
3,900.0	3,889.0	3,897.0	3,897.0	5.0	5.9	-73.59	-780.9	-209.0	744.7	734.1	10.61	70.204	
4,000.0	3,988.0	3,996.0	3,996.0	5.0	6.0	-74.62	-780.9	-209.0	740.9	730.1	10.78	68.741	
4,100.0	4,087.0	4,095.0	4,095.0	5.1	6.1	-75.65	-780.9	-209.0	737.3	726.3	10.95	67.323	
4,200.0	4,186.0	4,194.0	4,194.0	5.2	6.2	-76.69	-780.9	-209.0	733.9	722.8	11.13	65.951	
4,300.0	4,285.1	4,293.1	4,293.1	5.3	6.3	-77.75	-780.9	-209.0	730.8	719.5	11.31	64.625	
4,400.0	4,384.1	4,392.1	4,392.1	5.3	6.4	-78.81	-780.9	-209.0	728.0	716.5	11.49	63.346	
4,500.0	4,483.1	4,491.1	4,491.1	5.4	6.6	-79.87	-780.9	-209.0	725.4	713.7	11.68	62.114	
4,600.0	4,582.2	4,590.2	4,590.2	5.5	6.7	-80.95	-780.9	-209.0	723.0	711.2	11.87	60.928	
4,700.0	4,681.2	4,689.2	4,689.2	5.6	6.8	-82.03	-780.9	-209.0	720.9	708.9	12.06	59.789	
4,800.0	4,780.2	4,788.2	4,788.2	5.7	6.9	-83.12	-780.9	-209.0	719.1	706.9	12.25	58.697	
4,900.0	4,879.2	4,887.2	4,887.2	5.8	7.0	-84.21	-780.9	-209.0	717.6	705.1	12.45	57.650	
5,000.0	4,978.3	4,986.3	4,986.3	5.9	7.1	-85.31	-780.9	-209.0	716.3	703.7	12.64	56.649	
5,100.0	5,077.3	5,085.3	5,085.3	6.0	7.3	-86.41	-780.9	-209.0	715.3	702.4	12.84	55.692	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #704H - OWB - PWP1													Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8729-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance										Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
5,200.0	5,176.3	5,184.3	5,184.3	6.1	7.4	-87.51	-780.9	-209.0	714.5	701.5	13.04	54.780		
5,300.0	5,275.3	5,283.3	5,283.3	6.2	7.5	-88.62	-780.9	-209.0	714.1	700.8	13.25	53.911		
5,400.0	5,374.4	5,382.4	5,382.4	6.3	7.6	-89.72	-780.9	-209.0	713.9	700.4	13.45	53.084		
5,425.0	5,399.1	5,407.1	5,407.1	6.3	7.7	-90.00	-780.9	-209.0	713.9	700.4	13.50	52.884 CC		
5,500.0	5,473.4	5,481.4	5,481.4	6.4	7.7	-90.83	-780.9	-209.0	713.9	700.3	13.65	52.299 ES		
5,600.0	5,572.4	5,572.8	5,572.7	6.5	7.8	-91.92	-781.0	-208.1	714.7	700.9	13.80	51.781		
5,700.0	5,671.5	5,661.5	5,661.5	6.6	7.9	-93.16	-781.7	-204.5	717.1	703.2	13.90	51.587 SF		
5,800.0	5,770.5	5,750.0	5,749.7	6.7	7.9	-94.59	-782.8	-198.3	721.4	707.4	13.98	51.596		
5,900.0	5,869.5	5,846.8	5,846.1	6.8	7.9	-96.23	-784.2	-189.9	727.0	712.9	14.06	51.703		
6,000.0	5,968.5	5,944.3	5,943.2	6.9	7.9	-97.86	-785.7	-181.6	733.1	719.0	14.14	51.865		
6,100.0	6,067.6	6,041.8	6,040.4	7.0	8.0	-99.46	-787.2	-173.2	739.9	725.7	14.21	52.076		
6,200.0	6,166.6	6,139.4	6,137.6	7.1	8.0	-101.03	-788.7	-164.8	747.3	733.1	14.28	52.330		
6,300.0	6,265.6	6,236.9	6,234.7	7.2	8.0	-102.57	-790.1	-156.5	755.3	741.0	14.35	52.624		
6,400.0	6,364.6	6,334.4	6,331.9	7.3	8.0	-104.08	-791.6	-148.1	763.8	749.4	14.42	52.954		
6,500.0	6,463.7	6,432.0	6,429.1	7.5	8.1	-105.55	-793.1	-139.7	772.9	758.4	14.50	53.315		
6,600.0	6,562.7	6,529.5	6,526.2	7.6	8.1	-107.00	-794.6	-131.3	782.5	767.9	14.57	53.703		
6,700.0	6,661.7	6,627.0	6,623.4	7.7	8.2	-108.40	-796.0	-123.0	792.5	777.9	14.65	54.115		
6,800.0	6,760.7	6,724.6	6,720.5	7.8	8.2	-109.78	-797.5	-114.6	803.1	788.4	14.72	54.546		
6,900.0	6,859.8	6,822.1	6,817.7	7.9	8.3	-111.12	-799.0	-106.2	814.1	799.3	14.80	54.992		
7,000.0	6,958.8	6,919.6	6,914.9	8.1	8.3	-112.42	-800.5	-97.9	825.6	810.7	14.89	55.451		
7,100.0	7,057.8	7,017.2	7,012.0	8.2	8.3	-113.69	-802.0	-89.5	837.4	822.5	14.98	55.917		
7,200.0	7,156.9	7,114.7	7,109.2	8.3	8.4	-114.92	-803.4	-81.1	849.7	834.7	15.07	56.389		
7,300.0	7,255.9	7,212.2	7,206.4	8.4	8.4	-116.12	-804.9	-72.7	862.4	847.3	15.17	56.862		
7,400.0	7,354.9	7,309.8	7,303.5	8.6	8.5	-117.28	-806.4	-64.4	875.5	860.2	15.27	57.334		
7,500.0	7,453.9	7,407.3	7,400.7	8.7	8.6	-118.41	-807.9	-56.0	888.9	873.5	15.38	57.803		
7,600.0	7,553.0	7,504.8	7,497.8	8.8	8.6	-119.51	-809.3	-47.6	902.6	887.1	15.49	58.266		
7,700.0	7,652.0	7,602.4	7,595.0	8.9	8.7	-120.58	-810.8	-39.3	916.7	901.1	15.61	58.721		
7,800.0	7,751.0	7,699.9	7,692.2	9.1	8.7	-121.61	-812.3	-30.9	931.1	915.4	15.74	59.166		
7,900.0	7,850.0	7,797.4	7,789.3	9.2	8.8	-122.62	-813.8	-22.5	945.8	929.9	15.87	59.600		
8,000.0	7,949.1	7,895.0	7,886.5	9.3	8.9	-123.59	-815.2	-14.1	960.8	944.7	16.01	60.021		
8,100.0	8,048.1	7,992.5	7,983.7	9.5	8.9	-124.53	-816.7	-5.8	976.0	959.8	16.15	60.429		
8,200.0	8,147.1	8,090.0	8,080.8	9.6	9.0	-125.45	-818.2	2.6	991.5	975.2	16.30	60.823		

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 #706H
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 #706H	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:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	8.0	8.0	3.0	3.0	-162.99	-780.9	-238.9	816.6				
100.0	100.0	108.0	108.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.00	136.084	
200.0	200.0	208.0	208.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.01	135.865	
300.0	300.0	308.0	308.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.03	135.404	
400.0	400.0	408.0	408.0	3.0	3.0	-162.99	-780.9	-238.9	816.6	810.6	6.06	134.707	
500.0	500.0	508.0	508.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.5	6.10	133.787	
600.0	600.0	608.0	608.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.5	6.16	132.655	
700.0	700.0	708.0	708.0	3.1	3.1	-162.99	-780.9	-238.9	816.6	810.4	6.22	131.330	
800.0	800.0	808.0	808.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.3	6.29	129.829	
900.0	900.0	908.0	908.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.2	6.37	128.172	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-162.99	-780.9	-238.9	816.6	810.2	6.46	126.379	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-162.99	-780.9	-238.9	816.6	810.1	6.56	124.470	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-162.99	-780.9	-238.9	816.6	810.0	6.67	122.465	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-162.99	-780.9	-238.9	816.6	809.8	6.78	120.383	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-162.99	-780.9	-238.9	816.6	809.7	6.91	118.241	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-162.99	-780.9	-238.9	816.6	809.6	7.04	116.057	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-162.99	-780.9	-238.9	816.6	809.4	7.17	113.845	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-162.99	-780.9	-238.9	816.6	809.3	7.32	111.618	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-162.99	-780.9	-238.9	816.6	809.2	7.47	109.389	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-162.99	-780.9	-238.9	816.6	809.0	7.62	107.167	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-162.99	-780.9	-238.9	816.6	808.8	7.78	104.962	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-162.99	-780.9	-238.9	816.6	808.7	7.95	102.782	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-162.99	-780.9	-238.9	816.6	808.5	8.11	100.632	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-162.99	-780.9	-238.9	816.6	808.3	8.29	98.518	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-162.99	-780.9	-238.9	816.6	808.2	8.47	96.444	
2,413.8	2,413.8	2,421.8	2,421.8	4.3	4.3	-162.99	-780.9	-238.9	816.6	808.1	8.49	96.162	
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	-162.99	-780.9	-238.9	816.7	808.0	8.64	94.501	
2,600.0	2,600.0	2,585.6	2,585.6	4.4	4.4	-60.10	-782.2	-238.8	817.2	808.5	8.71	93.805	
2,700.0	2,699.8	2,664.7	2,664.6	4.5	4.4	-60.42	-785.6	-238.4	818.6	809.9	8.70	94.133	
2,800.0	2,799.5	2,754.9	2,754.6	4.5	4.4	-61.04	-791.6	-237.7	820.6	811.9	8.68	94.528	
2,900.0	2,898.7	2,854.0	2,853.4	4.5	4.3	-61.95	-798.5	-236.8	821.2	812.5	8.67	94.672	
2,922.5	2,921.0	2,876.2	2,875.6	4.5	4.3	-62.18	-800.0	-236.6	821.2	812.5	8.67	94.671	
3,000.0	2,997.7	2,952.9	2,952.1	4.5	4.3	-62.97	-805.3	-236.0	821.3	812.6	8.68	94.670	
3,100.0	3,096.8	3,051.8	3,050.7	4.6	4.3	-64.00	-812.2	-235.2	821.6	812.9	8.68	94.641	
3,200.0	3,195.8	3,150.7	3,149.4	4.6	4.3	-65.02	-819.0	-234.4	822.2	813.5	8.69	94.580	
3,300.0	3,294.8	3,249.5	3,248.0	4.6	4.3	-66.04	-825.9	-233.5	823.1	814.4	8.71	94.487	
3,400.0	3,393.8	3,348.4	3,346.7	4.7	4.2	-67.06	-832.7	-232.7	824.3	815.5	8.74	94.359	
3,500.0	3,492.9	3,447.3	3,445.3	4.7	4.2	-68.08	-839.6	-231.9	825.7	816.9	8.77	94.194	
3,600.0	3,591.9	3,546.2	3,544.0	4.8	4.2	-69.09	-846.4	-231.1	827.3	818.5	8.80	93.991	
3,700.0	3,690.9	3,645.1	3,642.6	4.8	4.2	-70.10	-853.3	-230.3	829.3	820.4	8.85	93.750	
3,800.0	3,789.9	3,744.0	3,741.3	4.9	4.2	-71.10	-860.1	-229.4	831.5	822.6	8.90	93.470	
3,900.0	3,889.0	3,842.9	3,839.9	5.0	4.2	-72.10	-867.0	-228.6	833.9	825.0	8.95	93.150	
4,000.0	3,988.0	3,941.8	3,938.6	5.0	4.3	-73.09	-873.8	-227.8	836.7	827.6	9.02	92.791	
4,100.0	4,087.0	4,040.7	4,037.2	5.1	4.3	-74.08	-880.7	-227.0	839.6	830.5	9.09	92.394	
4,200.0	4,186.0	4,139.6	4,135.9	5.2	4.3	-75.06	-887.5	-226.1	842.9	833.7	9.17	91.959	
4,300.0	4,285.1	4,238.4	4,234.5	5.3	4.3	-76.03	-894.4	-225.3	846.3	837.1	9.25	91.488	
4,400.0	4,384.1	4,337.3	4,333.2	5.3	4.3	-76.99	-901.2	-224.5	850.0	840.7	9.34	90.983	
4,500.0	4,483.1	4,436.2	4,431.8	5.4	4.4	-77.94	-908.1	-223.7	854.0	844.6	9.44	90.447	
4,600.0	4,582.2	4,535.1	4,530.5	5.5	4.4	-78.89	-914.9	-222.9	858.2	848.7	9.55	89.880	
4,700.0	4,681.2	4,634.0	4,629.1	5.6	4.5	-79.82	-921.8	-222.0	862.6	853.0	9.66	89.289	
4,800.0	4,780.2	4,762.0	4,756.9	5.7	4.5	-81.02	-929.0	-221.2	866.2	856.4	9.80	88.415	
4,900.0	4,879.2	4,892.4	4,887.2	5.8	4.6	-82.21	-930.9	-220.9	865.5	855.5	9.96	86.911	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance		Warning							
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toelface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
5,000.0	4,978.3	4,991.4	4,986.3	5.9	4.7	-83.12	-930.9	-220.9	863.7	853.6	10.11	85.459	
5,100.0	5,077.3	5,090.4	5,085.3	6.0	4.7	-84.02	-930.9	-220.9	862.1	851.8	10.26	84.024	
5,200.0	5,176.3	5,189.4	5,184.3	6.1	4.8	-84.94	-930.9	-220.9	860.7	850.3	10.42	82.608	
5,300.0	5,275.3	5,288.5	5,283.3	6.2	4.8	-85.85	-930.9	-220.9	859.6	849.0	10.58	81.215	
5,400.0	5,374.4	5,387.5	5,382.4	6.3	4.9	-86.77	-930.9	-220.9	858.7	848.0	10.75	79.848	
5,500.0	5,473.4	5,486.5	5,481.4	6.4	5.0	-87.69	-930.9	-220.9	858.0	847.1	10.93	78.509	
5,600.0	5,572.4	5,585.5	5,580.4	6.5	5.1	-88.61	-930.9	-220.9	857.6	846.5	11.11	77.200	
5,700.0	5,671.5	5,684.6	5,679.5	6.6	5.1	-89.53	-930.9	-220.9	857.4	846.1	11.29	75.923	
5,751.1	5,722.1	5,735.2	5,730.1	6.6	5.2	-90.00	-930.9	-220.9	857.3	845.9	11.39	75.281	
5,800.0	5,770.5	5,783.6	5,778.5	6.7	5.2	-90.45	-930.9	-220.9	857.3	845.9	11.48	74.679	
5,900.0	5,869.5	5,882.6	5,877.5	6.8	5.3	-91.37	-930.9	-220.9	857.6	845.9	11.67	73.471	
6,000.0	5,968.5	5,981.6	5,976.5	6.9	5.4	-92.29	-930.9	-220.9	858.0	846.2	11.87	72.298	
6,100.0	6,067.6	6,080.7	6,075.6	7.0	5.5	-93.21	-930.9	-220.9	858.7	846.6	12.07	71.161	
6,200.0	6,166.6	6,179.7	6,174.6	7.1	5.6	-94.13	-930.9	-220.9	859.6	847.3	12.27	70.062	
6,300.0	6,265.6	6,278.7	6,273.6	7.2	5.7	-95.04	-930.9	-220.9	860.7	848.2	12.47	68.999	
6,400.0	6,364.6	6,377.8	6,372.6	7.3	5.7	-95.95	-930.9	-220.9	862.1	849.4	12.68	67.974	
6,500.0	6,463.7	6,476.8	6,471.7	7.5	5.8	-96.86	-930.9	-220.9	863.6	850.7	12.89	66.986	
6,600.0	6,562.7	6,575.8	6,570.7	7.6	5.9	-97.77	-930.9	-220.9	865.4	852.3	13.11	66.035	
6,700.0	6,661.7	6,674.8	6,669.7	7.7	6.0	-98.67	-930.9	-220.9	867.4	854.1	13.32	65.121	
6,800.0	6,760.7	6,773.9	6,768.7	7.8	6.1	-99.57	-930.9	-220.9	869.7	856.1	13.54	64.243	
6,900.0	6,859.8	6,872.9	6,867.8	7.9	6.2	-100.46	-930.9	-220.9	872.1	858.3	13.76	63.400	
7,000.0	6,958.8	6,971.9	6,966.8	8.1	6.3	-101.35	-930.9	-220.9	874.8	860.8	13.98	62.592	
7,100.0	7,057.8	7,070.9	7,065.8	8.2	6.4	-102.23	-930.9	-220.9	877.6	863.4	14.20	61.818	
7,200.0	7,156.9	7,170.0	7,164.9	8.3	6.5	-103.11	-930.9	-220.9	880.7	866.3	14.42	61.078	
7,300.0	7,255.9	7,269.0	7,263.9	8.4	6.6	-103.98	-930.9	-220.9	884.0	869.4	14.64	60.371	
7,400.0	7,354.9	7,368.0	7,362.9	8.6	6.7	-104.85	-930.9	-220.9	887.5	872.6	14.87	59.695	
7,500.0	7,453.9	7,467.0	7,461.9	8.7	6.8	-105.70	-930.9	-220.9	891.2	876.1	15.09	59.050	
7,600.0	7,553.0	7,566.1	7,561.0	8.8	6.9	-106.55	-930.9	-220.9	895.1	879.8	15.32	58.435	
7,700.0	7,652.0	7,665.1	7,660.0	8.9	7.1	-107.40	-930.9	-220.9	899.2	883.7	15.54	57.849	
7,800.0	7,751.0	7,764.1	7,759.0	9.1	7.2	-108.23	-930.9	-220.9	903.5	887.7	15.77	57.291	
7,900.0	7,850.0	7,863.2	7,858.0	9.2	7.3	-109.06	-930.9	-220.9	908.0	892.0	16.00	56.760	
8,000.0	7,949.1	7,962.2	7,957.1	9.3	7.4	-109.88	-930.9	-220.9	912.7	896.4	16.22	56.256	
8,100.0	8,048.1	8,061.2	8,056.1	9.5	7.5	-110.69	-930.9	-220.9	917.5	901.1	16.45	55.777	
8,200.0	8,147.1	8,160.2	8,155.1	9.6	7.6	-111.49	-930.9	-220.9	922.6	905.9	16.68	55.322	
8,300.0	8,246.1	8,259.3	8,254.1	9.7	7.7	-112.28	-930.9	-220.9	927.8	910.9	16.90	54.891	
8,400.0	8,345.2	8,358.3	8,353.2	9.9	7.8	-113.07	-930.9	-220.9	933.2	916.1	17.13	54.482	
8,500.0	8,444.2	8,457.3	8,452.2	10.0	7.9	-113.84	-930.9	-220.9	938.8	921.5	17.35	54.095	
8,600.0	8,543.2	8,556.3	8,551.2	10.1	8.0	-114.61	-185.6	-226.9	919.7	892.9	26.75	34.383	
8,700.0	8,642.3	8,655.4	8,650.3	10.3	8.1	-115.38	-187.9	-226.9	853.7	827.9	25.87	33.001	
8,800.0	8,741.3	8,754.4	8,749.3	10.4	8.2	-116.15	-190.2	-226.9	795.0	770.2	24.75	32.118	
8,900.0	8,840.3	8,853.4	8,848.3	10.6	8.3	-116.92	-192.4	-226.9	745.0	721.6	23.40	31.833 SF	
9,000.0	8,939.3	8,952.4	8,947.3	10.7	8.4	-117.69	-194.7	-226.8	705.8	683.8	21.92	32.194	
9,018.7	8,957.9	8,971.0	8,966.9	10.7	8.4	-117.94	-195.1	-226.8	699.8	678.1	21.65	32.329	
9,025.0	8,964.1	8,977.2	8,972.1	10.8	8.4	-118.19	-195.3	-226.8	697.9	676.5	21.41	32.598	
9,050.0	8,988.8	8,999.9	8,994.8	10.8	8.4	-118.44	-196.8	-226.8	690.9	669.8	21.03	32.856	
9,075.0	9,013.3	9,024.4	9,019.3	10.8	8.4	-118.69	-199.7	-226.8	684.8	664.2	20.66	33.154	
9,100.0	9,037.7	9,048.8	9,043.7	10.8	8.4	-118.94	-203.8	-226.8	679.8	659.5	20.30	33.485	
9,125.0	9,061.8	9,072.9	9,067.8	10.8	8.4	-119.19	-209.2	-226.7	675.8	655.8	19.97	33.837	
9,150.0	9,085.5	9,096.6	9,090.5	10.8	8.4	-119.44	-215.9	-226.7	672.8	653.2	19.67	34.203	
9,175.0	9,108.8	9,119.9	9,113.7	10.8	8.4	-119.69	-223.8	-226.6	670.9	651.5	19.41	34.571	
9,200.0	9,131.7	9,142.8	9,136.6	10.8	8.4	-119.94	-233.0	-226.5	669.8	650.7	19.18	34.931	
9,214.6	9,144.8	9,155.9	9,149.7	10.8	8.4	-120.19	-238.9	-226.5	669.7	650.6	19.06	35.134 CC, ES	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #705H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8807-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis			Distance						Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
9,225.0	9,154.0	9,715.9	9,270.0	10.8	10.8	-111.67	-243.3	-226.4	669.8	650.8	18.99	35.275	
9,250.0	9,175.7	9,704.3	9,269.9	10.8	10.8	-109.27	-254.8	-226.4	670.6	651.7	18.84	35.595	
9,275.0	9,196.8	9,691.7	9,269.8	10.8	10.8	-106.98	-267.5	-226.3	672.2	653.4	18.73	35.880	
9,300.0	9,217.2	9,677.9	9,269.7	10.8	10.8	-104.76	-281.2	-226.1	674.5	655.9	18.67	36.130	
9,325.0	9,236.8	9,663.1	9,269.5	10.9	10.8	-102.57	-296.1	-226.0	677.5	658.9	18.64	36.350	
9,350.0	9,255.6	9,647.2	9,269.4	10.9	10.7	-100.41	-311.9	-225.9	681.1	662.5	18.64	36.542	
9,375.0	9,273.5	9,630.4	9,269.3	10.9	10.7	-98.28	-328.7	-225.8	685.2	666.5	18.66	36.709	
9,400.0	9,290.5	9,612.6	9,269.2	10.9	10.7	-96.20	-346.5	-225.6	689.6	670.9	18.71	36.858	
9,425.0	9,306.5	9,594.2	9,269.0	11.0	10.7	-94.17	-365.0	-225.5	694.4	675.6	18.77	36.985	
9,450.0	9,321.5	9,576.6	9,268.5	11.0	10.7	-92.27	-382.5	-225.3	699.4	680.5	18.86	37.078	
9,475.0	9,335.5	9,559.2	9,267.5	11.0	10.7	-90.44	-399.9	-225.2	704.6	685.6	18.96	37.157	
9,500.0	9,348.4	9,541.8	9,266.0	11.1	10.6	-88.67	-417.2	-225.1	710.0	690.9	19.08	37.221	
9,525.0	9,360.1	9,524.5	9,263.9	11.1	10.6	-86.97	-434.4	-224.9	715.5	696.3	19.20	37.274	
9,550.0	9,370.7	9,507.4	9,261.4	11.2	10.6	-85.33	-451.4	-224.8	721.1	701.8	19.32	37.325	
9,575.0	9,380.1	9,490.2	9,258.3	11.2	10.6	-83.77	-468.2	-224.6	726.8	707.3	19.45	37.371	
9,600.0	9,388.3	9,473.2	9,254.8	11.2	10.6	-82.27	-484.9	-224.5	732.4	712.8	19.57	37.417	
9,625.0	9,395.3	9,456.2	9,250.8	11.3	10.5	-80.85	-501.4	-224.4	738.0	718.3	19.70	37.470	
9,650.0	9,401.0	9,439.2	9,246.3	11.3	10.5	-79.50	-517.8	-224.2	743.6	723.8	19.82	37.524	
9,675.0	9,405.4	9,422.3	9,241.4	11.4	10.5	-78.22	-533.9	-224.1	749.0	729.1	19.93	37.583	
9,700.0	9,408.6	9,400.0	9,234.1	11.5	10.4	-76.86	-555.0	-224.0	754.4	734.3	20.06	37.602	
9,725.0	9,410.4	9,388.7	9,230.1	11.5	10.4	-75.91	-565.6	-223.9	759.5	739.4	20.13	37.724	
9,749.8	9,411.0	9,372.0	9,223.8	11.6	10.4	-74.88	-581.1	-223.7	764.4	744.2	20.22	37.803	
9,800.0	9,410.8	9,339.2	9,210.2	11.7	10.3	-73.99	-610.9	-223.5	774.4	754.0	20.41	37.943	
9,900.0	9,410.5	9,278.9	9,180.8	12.0	10.2	-72.10	-663.5	-223.1	795.6	774.8	20.87	38.130	
10,000.0	9,410.2	9,225.5	9,150.2	12.4	10.1	-70.19	-707.3	-222.7	819.5	798.1	21.37	38.346	
10,024.0	9,410.2	9,213.7	9,142.9	12.5	10.1	-69.74	-716.5	-222.7	825.7	804.2	21.49	38.423	
10,100.0	9,410.0	9,178.8	9,120.3	12.8	10.1	-68.23	-743.1	-222.4	847.7	825.8	21.87	38.760	
10,200.0	9,409.7	9,138.1	9,091.8	13.3	10.0	-66.37	-772.3	-222.2	882.5	860.2	22.32	39.530	
10,300.0	9,409.4	9,100.0	9,063.5	13.8	9.9	-64.58	-797.6	-222.0	924.0	901.3	22.74	40.629	
10,400.0	9,409.1	9,071.6	9,041.2	14.3	9.9	-63.20	-815.3	-221.9	971.8	948.8	23.03	42.191	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	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 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	-781.1	-269.0	826.1				
100.0	100.0	108.0	108.0	3.0	3.0	-160.99	-781.1	-269.0	826.1	820.1	6.00	137.664	
200.0	200.0	208.0	208.0	3.0	3.0	-160.99	-781.1	-269.0	826.1	820.1	6.01	137.446	
300.0	300.0	308.0	308.0	3.0	3.0	-160.99	-781.1	-269.0	826.1	820.1	6.03	136.986	
400.0	400.0	408.0	408.0	3.0	3.0	-160.99	-781.1	-269.0	826.1	820.0	6.06	136.292	
500.0	500.0	508.0	508.0	3.1	3.1	-160.99	-781.1	-269.0	826.1	820.0	6.10	135.375	
600.0	600.0	608.0	608.0	3.1	3.1	-160.99	-781.1	-269.0	826.1	819.9	6.15	134.247	
700.0	700.0	708.0	708.0	3.1	3.1	-160.99	-781.1	-269.0	826.1	819.9	6.21	132.926	
800.0	800.0	808.0	808.0	3.2	3.2	-160.99	-781.1	-269.0	826.1	819.8	6.29	131.429	
900.0	900.0	908.0	908.0	3.2	3.2	-160.99	-781.1	-269.0	826.1	819.7	6.37	129.775	
1,000.0	1,000.0	1,008.0	1,008.0	3.2	3.2	-160.99	-781.1	-269.0	826.1	819.6	6.45	127.984	
1,100.0	1,100.0	1,108.0	1,108.0	3.3	3.3	-160.99	-781.1	-269.0	826.1	819.5	6.55	126.077	
1,200.0	1,200.0	1,208.0	1,208.0	3.4	3.4	-160.99	-781.1	-269.0	826.1	819.4	6.66	124.072	
1,300.0	1,300.0	1,308.0	1,308.0	3.4	3.4	-160.99	-781.1	-269.0	826.1	819.3	6.77	121.988	
1,400.0	1,400.0	1,408.0	1,408.0	3.5	3.5	-160.99	-781.1	-269.0	826.1	819.2	6.89	119.844	
1,500.0	1,500.0	1,508.0	1,508.0	3.5	3.6	-160.99	-781.1	-269.0	826.1	819.1	7.02	117.656	
1,600.0	1,600.0	1,608.0	1,608.0	3.6	3.6	-160.99	-781.1	-269.0	826.1	818.9	7.16	115.438	
1,700.0	1,700.0	1,708.0	1,708.0	3.7	3.7	-160.99	-781.1	-269.0	826.1	818.8	7.30	113.204	
1,800.0	1,800.0	1,808.0	1,808.0	3.8	3.8	-160.99	-781.1	-269.0	826.1	818.6	7.44	110.966	
1,900.0	1,900.0	1,908.0	1,908.0	3.9	3.9	-160.99	-781.1	-269.0	826.1	818.5	7.60	108.735	
2,000.0	2,000.0	2,008.0	2,008.0	3.9	3.9	-160.99	-781.1	-269.0	826.1	818.3	7.76	106.519	
2,100.0	2,100.0	2,108.0	2,108.0	4.0	4.0	-160.99	-781.1	-269.0	826.1	818.2	7.92	104.327	
2,200.0	2,200.0	2,208.0	2,208.0	4.1	4.1	-160.99	-781.1	-269.0	826.1	818.0	8.09	102.163	
2,300.0	2,300.0	2,308.0	2,308.0	4.2	4.2	-160.99	-781.1	-269.0	826.1	817.8	8.26	100.035	
2,400.0	2,400.0	2,408.0	2,408.0	4.3	4.3	-160.99	-781.1	-269.0	826.1	817.7	8.43	97.946	
2,500.0	2,500.0	2,508.0	2,508.0	4.4	4.4	-160.99	-781.1	-269.0	826.1	817.5	8.61	95.900	
2,600.0	2,600.0	2,608.0	2,608.0	4.4	4.5	-58.11	-781.1	-269.0	825.2	816.4	8.75	94.302	
2,700.0	2,699.8	2,707.8	2,707.8	4.5	4.6	-58.47	-781.1	-269.0	822.4	813.6	8.85	92.976	
2,800.0	2,799.5	2,807.5	2,807.5	4.5	4.7	-59.07	-781.1	-269.0	817.9	808.9	8.95	91.384	
2,900.0	2,898.7	2,906.7	2,906.7	4.5	4.8	-59.91	-781.1	-269.0	811.7	802.6	9.06	89.545	
3,000.0	2,997.7	3,005.7	3,005.7	4.5	4.9	-60.76	-781.1	-269.0	804.7	795.5	9.19	87.597	
3,100.0	3,096.8	3,104.8	3,104.8	4.6	5.0	-61.62	-781.1	-269.0	798.0	788.7	9.31	85.671	
3,200.0	3,195.8	3,203.8	3,203.8	4.6	5.1	-62.50	-781.1	-269.0	791.4	781.9	9.45	83.769	
3,300.0	3,294.8	3,302.8	3,302.8	4.6	5.2	-63.40	-781.1	-269.0	785.0	775.4	9.59	81.896	
3,400.0	3,393.8	3,401.8	3,401.8	4.7	5.3	-64.31	-781.1	-269.0	778.8	769.1	9.73	80.054	
3,500.0	3,492.9	3,500.9	3,500.9	4.7	5.4	-65.23	-781.1	-269.0	772.9	763.0	9.88	78.247	
3,600.0	3,591.9	3,599.9	3,599.9	4.8	5.5	-66.16	-781.1	-269.0	767.1	757.0	10.03	76.477	
3,700.0	3,690.9	3,698.9	3,698.9	4.8	5.7	-67.11	-781.1	-269.0	761.5	751.3	10.19	74.746	
3,800.0	3,789.9	3,797.9	3,797.9	4.9	5.8	-68.08	-781.1	-269.0	756.2	745.8	10.35	73.056	
3,900.0	3,889.0	3,897.0	3,897.0	5.0	5.9	-69.05	-781.1	-269.0	751.0	740.5	10.52	71.410	
4,000.0	3,988.0	3,996.0	3,996.0	5.0	6.0	-70.04	-781.1	-269.0	746.1	735.4	10.69	69.808	
4,100.0	4,087.0	4,095.0	4,095.0	5.1	6.1	-71.05	-781.1	-269.0	741.5	730.6	10.86	68.252	
4,200.0	4,186.0	4,194.0	4,194.0	5.2	6.2	-72.06	-781.1	-269.0	737.0	726.0	11.04	66.743	
4,300.0	4,285.1	4,293.1	4,293.1	5.3	6.3	-73.09	-781.1	-269.0	732.8	721.6	11.23	65.282	
4,400.0	4,384.1	4,392.1	4,392.1	5.3	6.4	-74.12	-781.1	-269.0	728.8	717.4	11.41	63.868	
4,500.0	4,483.1	4,491.1	4,491.1	5.4	6.6	-75.17	-781.1	-269.0	725.1	713.5	11.60	62.503	
4,600.0	4,582.2	4,590.2	4,590.2	5.5	6.7	-76.23	-781.1	-269.0	721.7	709.9	11.79	61.187	
4,700.0	4,681.2	4,689.2	4,689.2	5.6	6.8	-77.30	-781.1	-269.0	718.4	706.4	11.99	59.919	
4,800.0	4,780.2	4,788.2	4,788.2	5.7	6.9	-78.38	-781.1	-269.0	715.5	703.3	12.19	58.700	
4,900.0	4,879.2	4,887.2	4,887.2	5.8	7.0	-79.46	-781.1	-269.0	712.8	700.4	12.39	57.529	
5,000.0	4,978.3	4,986.3	4,986.3	5.9	7.1	-80.55	-781.1	-269.0	710.3	697.7	12.59	56.407	
5,100.0	5,077.3	5,085.3	5,085.3	6.0	7.3	-81.65	-781.1	-269.0	708.2	695.4	12.80	55.332	

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 #706H
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 #706H	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 Tooface (")	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,200.0	5,176.3	5,184.3	5,184.3	6.1	7.4	-82.76	-781.1	-269.0	706.3	693.3	13.01	54.303	
5,300.0	5,275.3	5,283.3	5,283.3	6.2	7.5	-83.87	-781.1	-269.0	704.6	691.4	13.21	53.321	
5,400.0	5,374.4	5,382.4	5,382.4	6.3	7.6	-84.99	-781.1	-269.0	703.3	689.8	13.42	52.385	
5,500.0	5,473.4	5,481.4	5,481.4	6.4	7.7	-86.11	-781.1	-269.0	702.2	688.5	13.64	51.493	
5,600.0	5,572.4	5,580.5	5,580.5	6.5	7.8	-87.14	-781.3	-270.1	701.4	687.5	13.81	50.776	
5,700.0	5,671.5	5,680.2	5,680.1	6.6	7.9	-87.91	-782.0	-274.6	700.7	686.8	13.95	50.227	
5,800.0	5,770.5	5,780.4	5,779.9	6.7	7.9	-88.41	-783.4	-282.4	700.1	686.0	14.08	49.711	
5,900.0	5,869.5	5,880.2	5,879.4	6.8	7.9	-88.83	-784.9	-290.9	699.5	685.3	14.22	49.197	
6,000.0	5,968.5	5,980.1	5,978.9	6.9	7.9	-89.26	-786.4	-299.5	699.0	684.6	14.36	48.682	
6,100.0	6,067.6	6,080.0	6,078.4	7.0	8.0	-89.69	-787.9	-308.1	698.5	684.0	14.50	48.165	
6,200.0	6,166.6	6,179.8	6,177.9	7.1	8.0	-90.12	-789.5	-316.7	698.0	683.4	14.65	47.649	
6,300.0	6,265.6	6,279.7	6,277.4	7.2	8.0	-90.55	-791.0	-325.2	697.6	682.8	14.80	47.134	
6,400.0	6,364.6	6,379.5	6,376.8	7.3	8.1	-90.98	-792.5	-333.8	697.2	682.2	14.95	46.619	
6,500.0	6,463.7	6,479.4	6,476.3	7.5	8.1	-91.41	-794.0	-342.4	696.8	681.7	15.11	46.106	
6,600.0	6,562.7	6,579.3	6,575.8	7.6	8.1	-91.84	-795.5	-350.9	696.5	681.3	15.28	45.596	
6,700.0	6,661.7	6,679.1	6,675.3	7.7	8.2	-92.28	-797.0	-359.5	696.3	680.8	15.44	45.088	
6,800.0	6,760.7	6,779.0	6,774.8	7.8	8.2	-92.71	-798.5	-368.1	696.0	680.4	15.61	44.583	
6,900.0	6,859.8	6,878.9	6,874.2	7.9	8.3	-93.14	-800.0	-376.7	695.8	680.1	15.79	44.081	
7,000.0	6,958.8	6,978.7	6,973.7	8.1	8.3	-93.57	-801.5	-385.2	695.7	679.7	15.96	43.583	
7,100.0	7,057.8	7,078.6	7,073.2	8.2	8.4	-94.01	-803.1	-393.8	695.6	679.5	16.14	43.089	
7,200.0	7,156.9	7,178.4	7,172.7	8.3	8.4	-94.44	-804.6	-402.4	695.5	679.2	16.33	42.600	
7,300.0	7,255.9	7,278.3	7,272.2	8.4	8.5	-94.87	-806.1	-410.9	695.5	679.0	16.51	42.116	
7,322.3	7,277.9	7,300.5	7,294.3	8.5	8.5	-94.97	-806.4	-412.9	695.5	678.9	16.56	42.008	
7,400.0	7,354.9	7,378.2	7,371.6	8.6	8.5	-95.31	-807.6	-419.5	695.5	678.8	16.70	41.636	
7,500.0	7,453.9	7,478.0	7,471.1	8.7	8.6	-95.74	-809.1	-428.1	695.6	678.7	16.90	41.162	
7,600.0	7,553.0	7,577.9	7,570.6	8.8	8.7	-96.17	-810.6	-436.7	695.6	678.6	17.09	40.693	
7,700.0	7,652.0	7,677.7	7,670.1	8.9	8.7	-96.61	-812.1	-445.2	695.8	678.5	17.29	40.230	
7,800.0	7,751.0	7,777.6	7,769.6	9.1	8.8	-97.04	-813.6	-453.8	695.9	678.5	17.50	39.773	
7,900.0	7,850.0	7,877.5	7,869.1	9.2	8.9	-97.47	-815.2	-462.4	696.2	678.5	17.70	39.322	
8,000.0	7,949.1	7,977.3	7,968.5	9.3	8.9	-97.90	-816.7	-470.9	696.4	678.5	17.91	38.877	
8,100.0	8,048.1	8,077.2	8,068.0	9.5	9.0	-98.33	-818.2	-479.5	696.7	678.6	18.13	38.439	
8,200.0	8,147.1	8,177.0	8,167.5	9.6	9.1	-98.77	-819.7	-488.1	697.0	678.7	18.34	38.006	
8,300.0	8,246.1	8,276.9	8,267.0	9.7	9.1	-99.20	-821.2	-496.7	697.4	678.8	18.56	37.581	
8,400.0	8,345.2	8,376.8	8,366.5	9.9	9.2	-99.63	-822.7	-505.2	697.8	679.0	18.78	37.161	
8,500.0	8,444.2	8,476.6	8,465.9	10.0	9.3	-100.06	-824.2	-513.8	698.3	679.3	19.00	36.749	
8,600.0	8,543.2	8,576.5	8,565.4	10.1	9.4	-100.49	-825.7	-522.4	698.7	679.5	19.23	36.343	
8,700.0	8,642.3	9,708.4	9,244.9	10.3	10.3	-121.87	-221.9	-879.8	599.3	567.1	32.20	18.612	
8,800.0	8,741.3	9,711.8	9,245.0	10.4	10.3	-125.75	-218.7	-881.2	499.4	466.9	32.48	15.373	
8,900.0	8,840.3	9,715.2	9,245.0	10.6	10.3	-131.15	-215.6	-882.6	399.5	366.7	32.77	12.190	
9,000.0	8,939.3	9,718.6	9,245.0	10.7	10.3	-138.95	-212.6	-883.9	299.5	266.5	33.06	9.061	
9,018.7	8,957.9	9,719.2	9,245.0	10.7	10.3	-140.79	-212.0	-884.1	280.8	247.7	33.11	8.480	
9,025.0	8,964.1	9,719.4	9,245.0	10.8	10.3	-153.95	-211.8	-884.2	274.6	241.3	33.31	8.243	
9,050.0	8,988.8	9,719.3	9,245.0	10.8	10.3	169.76	-211.9	-884.2	249.6	216.2	33.38	7.478	
9,075.0	9,013.3	9,718.1	9,245.0	10.8	10.3	165.99	-213.0	-883.7	224.7	191.3	33.44	6.720	
9,100.0	9,037.7	9,715.8	9,245.0	10.8	10.3	168.90	-215.2	-882.8	200.0	166.5	33.49	5.972	
9,125.0	9,061.8	9,712.2	9,245.0	10.8	10.3	173.07	-218.4	-881.4	175.5	142.0	33.52	5.238	
9,150.0	9,085.5	9,707.6	9,244.9	10.8	10.3	177.64	-222.6	-879.5	151.5	118.0	33.51	4.522	
9,175.0	9,108.8	9,701.9	9,244.9	10.8	10.3	-177.38	-227.9	-877.2	128.1	94.7	33.42	3.833	
9,200.0	9,131.7	9,695.1	9,244.8	10.8	10.3	-171.74	-234.1	-874.5	105.6	72.5	33.15	3.186	
9,225.0	9,154.0	9,687.3	9,244.8	10.8	10.3	-165.08	-241.2	-871.3	84.6	52.2	32.44	2.608	
9,250.0	9,175.7	9,678.4	9,244.7	10.8	10.3	-156.98	-249.3	-867.6	66.2	35.6	30.61	2.163	
9,275.0	9,196.8	9,668.6	9,244.6	10.8	10.3	-147.04	-258.3	-863.6	52.8	26.5	26.31	2.007 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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design MYOX 4 28 & 16 ST COM PROJECT - MYOX 4 28 ST COM #706H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104, 8698-MWD+IFR1+FDIR												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,298.4	9,215.9	9,658.5	9,244.6	10.8	10.3	-135.91	-267.4	-859.4	48.1	27.7	20.36	2.362	CC
9,300.0	9,217.2	9,657.8	9,244.6	10.8	10.3	-135.10	-268.0	-859.1	48.1	28.1	20.03	2.402	
9,325.0	9,236.8	9,646.2	9,244.5	10.9	10.3	-121.65	-278.6	-854.2	53.9	35.1	18.76	2.871	
9,350.0	9,255.6	9,633.7	9,244.4	10.9	10.3	-107.91	-289.9	-849.0	67.0	45.2	21.73	3.082	
9,375.0	9,273.5	9,620.4	9,244.3	10.9	10.3	-95.36	-301.9	-843.3	83.6	59.4	24.28	3.445	
9,400.0	9,290.5	9,606.4	9,244.2	10.9	10.3	-84.88	-314.6	-837.2	101.8	75.9	25.86	3.936	
9,425.0	9,306.5	9,591.7	9,244.0	11.0	10.3	-76.58	-327.8	-830.8	120.4	93.6	26.82	4.490	
9,450.0	9,321.5	9,576.8	9,243.9	11.0	10.3	-70.24	-341.2	-824.2	139.1	111.7	27.39	5.078	
9,475.0	9,335.5	9,562.9	9,243.6	11.0	10.3	-65.38	-353.6	-818.1	157.6	129.9	27.72	5.686	
9,500.0	9,348.4	9,550.0	9,242.9	11.1	10.3	-61.44	-365.2	-812.4	176.1	148.2	27.90	6.310	
9,525.0	9,360.1	9,535.2	9,241.9	11.1	10.3	-58.08	-378.4	-805.7	194.3	166.3	28.01	6.937	
9,550.0	9,370.7	9,521.3	9,240.5	11.2	10.2	-55.30	-390.8	-799.5	212.2	184.2	28.02	7.574	
9,575.0	9,380.1	9,507.4	9,238.8	11.2	10.2	-52.95	-403.1	-793.3	229.8	201.8	27.97	8.215	
9,600.0	9,388.3	9,493.4	9,236.8	11.2	10.2	-50.94	-415.4	-787.1	247.1	219.2	27.88	8.861	
9,625.0	9,395.3	9,479.5	9,234.4	11.3	10.2	-49.21	-427.6	-780.8	263.9	236.2	27.75	9.510	
9,650.0	9,401.0	9,465.5	9,231.7	11.3	10.2	-47.72	-439.9	-774.6	280.4	252.8	27.59	10.163	
9,675.0	9,405.4	9,450.0	9,228.3	11.4	10.2	-46.48	-453.3	-767.7	296.4	269.0	27.42	10.810	
9,700.0	9,408.6	9,437.3	9,225.2	11.5	10.2	-45.33	-464.2	-762.0	312.0	284.8	27.19	11.476	
9,725.0	9,410.4	9,423.1	9,221.5	11.5	10.2	-44.37	-476.4	-755.6	327.2	300.2	26.96	12.136	
9,749.8	9,411.0	9,408.9	9,217.4	11.6	10.1	-43.56	-488.4	-749.4	341.8	315.0	26.71	12.793	
9,800.0	9,410.8	9,380.6	9,208.2	11.7	10.1	-44.85	-512.0	-736.9	371.2	344.9	26.27	14.130	
9,900.0	9,410.5	9,326.9	9,187.2	12.0	10.0	-46.47	-555.6	-713.5	432.4	406.7	25.68	16.841	
10,000.0	9,410.2	9,277.0	9,163.7	12.4	10.0	-47.25	-594.1	-692.3	496.3	471.0	25.32	19.601	
10,024.0	9,410.2	9,265.7	9,157.8	12.5	10.0	-47.36	-602.6	-687.6	512.1	486.8	25.26	20.274	
10,100.0	9,410.0	9,231.6	9,139.1	12.8	9.9	-46.73	-627.4	-673.7	563.2	538.1	25.09	22.446	
10,200.0	9,409.7	9,200.0	9,120.2	13.3	9.9	-46.03	-649.4	-661.1	634.0	609.3	24.74	25.623	
10,300.0	9,409.4	9,150.0	9,087.5	13.8	9.8	-44.75	-682.0	-641.9	708.0	683.2	24.83	28.510	
10,400.0	9,409.1	9,123.1	9,068.6	14.3	9.8	-44.00	-698.5	-632.1	785.1	760.5	24.60	31.913	
10,500.0	9,408.8	9,100.0	9,051.7	14.9	9.7	-43.32	-711.9	-623.9	864.8	840.4	24.38	35.469	
10,600.0	9,408.5	9,069.3	9,028.3	15.5	9.7	-42.39	-728.7	-613.4	946.7	922.3	24.35	38.879	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	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
SRO STATE PROJECT (ATLAS 2628) - SRO 4 STATE COM #501H - OWB - ACTUAL WELLPATH												Offset Well Error:	3.0 usft
Survey Program: 100-Standard Keeper 104, 7426-MWD+IFR1+MS													
Reference		Offset		Semi Major Axis			Distance						
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,500.0	7,453.9	10,010.0	8,063.5	9.2	20.1	-166.87	-169.6	81.9	952.3	920.9	31.35	30.376	
7,600.0	7,553.0	10,013.8	8,063.5	9.3	20.1	-166.60	-173.3	81.8	903.5	872.5	30.94	29.204	
7,700.0	7,652.0	10,017.7	8,063.4	9.4	20.2	-166.33	-177.3	81.7	863.5	833.0	30.47	28.337	
7,800.0	7,751.0	10,021.8	8,063.4	9.6	20.2	-166.04	-181.3	81.6	833.6	803.6	30.01	27.779	
7,900.0	7,850.0	10,025.9	8,063.4	9.7	20.2	-165.75	-185.4	81.5	815.0	785.3	29.62	27.512	
8,000.0	7,949.1	10,030.2	8,063.4	9.8	20.2	-165.45	-189.7	81.3	808.3	778.9	29.40	27.498 SF	
8,003.8	7,952.8	10,030.3	8,063.4	9.8	20.2	-165.43	-189.8	81.3	808.3	778.9	29.39	27.502 CC, ES	
8,100.0	8,048.1	10,028.7	8,063.4	9.9	20.2	-165.55	-188.2	81.4	814.1	784.7	29.36	27.728	
8,200.0	8,147.1	10,031.2	8,063.4	10.1	20.2	-165.37	-190.7	81.4	831.8	802.3	29.59	28.113	
8,300.0	8,246.1	10,033.7	8,063.4	10.2	20.3	-165.20	-193.2	81.3	860.9	830.9	30.03	28.667	
8,400.0	8,345.2	10,036.1	8,063.3	10.3	20.3	-165.03	-195.6	81.3	900.2	869.6	30.63	29.388	
8,500.0	8,444.2	10,038.4	8,063.3	10.5	20.3	-164.86	-197.9	81.2	948.5	917.2	31.33	30.278	

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 #706H
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 #706H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP3	Offset TVD Reference:	Offset Datum

Offset Design												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 7318-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Reference	Offset	Semi Major Axis		Distance									
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
7,100.0	7,057.8	9,885.8	7,960.9	8.7	19.8	-177.25	-143.0	-591.9	901.1	867.5	33.60	26.815	
7,200.0	7,156.9	9,888.1	7,960.9	8.8	19.8	-176.26	-145.3	-591.9	802.2	768.4	33.86	23.692	
7,300.0	7,255.9	9,890.5	7,960.9	8.9	19.8	-175.21	-147.7	-592.0	703.7	669.6	34.12	20.625	
7,400.0	7,354.9	9,893.0	7,960.8	9.1	19.8	-174.11	-150.2	-592.0	605.6	571.3	34.37	17.620	
7,500.0	7,453.9	9,895.6	7,960.8	9.2	19.8	-172.94	-152.8	-592.1	508.3	473.7	34.61	14.685	
7,600.0	7,553.0	9,898.4	7,960.8	9.3	19.9	-171.72	-155.5	-592.2	412.3	377.5	34.82	11.842	
7,700.0	7,652.0	9,901.2	7,960.8	9.4	19.9	-170.43	-158.4	-592.2	318.6	283.7	34.89	9.132	
7,800.0	7,751.0	9,904.3	7,960.8	9.6	19.9	-169.07	-161.4	-592.3	230.4	195.8	34.56	6.666	
7,900.0	7,850.0	9,907.4	7,960.8	9.7	19.9	-167.63	-164.6	-592.3	156.8	124.0	32.73	4.790	
7,992.6	7,941.7	9,910.5	7,960.8	9.8	20.0	-166.23	-167.7	-592.4	126.6	97.2	29.32	4.316 CC, ES, SF	
8,000.0	7,949.1	9,910.8	7,960.8	9.8	20.0	-166.12	-167.9	-592.4	126.8	97.6	29.21	4.341	
8,100.0	8,048.1	9,914.3	7,960.8	9.9	20.0	-164.52	-171.5	-592.4	166.0	134.8	31.16	5.326	
8,200.0	8,147.1	9,918.1	7,960.9	10.1	20.0	-162.83	-175.2	-592.5	242.9	209.3	33.54	7.242	
8,300.0	8,246.1	9,922.0	7,960.9	10.2	20.0	-161.06	-179.1	-592.5	332.3	297.4	34.82	9.542	
8,400.0	8,345.2	9,926.2	7,960.9	10.3	20.1	-159.19	-183.3	-592.6	426.4	390.7	35.62	11.970	
8,500.0	8,444.2	9,930.6	7,960.9	10.5	20.1	-157.22	-187.8	-592.6	522.6	486.4	36.20	14.435	
8,600.0	8,543.2	9,935.4	7,961.0	10.6	20.1	-155.15	-192.5	-592.7	620.0	583.3	36.69	16.900	
8,700.0	8,642.3	9,938.2	7,961.0	10.7	20.1	-153.90	-195.4	-592.7	718.1	681.0	37.10	19.356	
8,800.0	8,741.3	9,941.9	7,961.0	10.9	20.2	-152.34	-199.0	-592.8	816.7	779.2	37.49	21.785	
8,900.0	8,840.3	9,945.5	7,961.1	11.0	20.2	-150.83	-202.6	-592.8	915.5	877.7	37.85	24.185	

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 #706H
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 #706H	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		SRO STATE PROJECT (ATLAS 2628) - SRO 4 STATE COM #503H - OWB - ACTUAL WELLPLAN											Offset Site Error:	0.0 usft
Survey Program:		100-Standard Keeper 104, 7462-MWD+IFR1+MS											Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis		Distance								Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
7,400.0	7,354.9	9,984.0	8,036.6	9.1	21.4	14.91	-152.3	-1,258.2	920.5	889.4	31.11	29.593		
7,500.0	7,453.9	9,986.8	8,036.6	9.2	21.4	14.61	-155.1	-1,258.2	840.2	809.2	31.01	27.090		
7,600.0	7,553.0	9,989.8	8,036.6	9.3	21.4	14.27	-158.2	-1,258.1	764.4	733.6	30.87	24.763		
7,700.0	7,652.0	9,993.2	8,036.6	9.4	21.4	13.90	-161.6	-1,258.1	694.9	664.2	30.68	22.650		
7,800.0	7,751.0	9,997.0	8,036.7	9.6	21.5	13.48	-165.4	-1,258.0	633.5	603.0	30.47	20.793		
7,900.0	7,850.0	10,001.3	8,036.7	9.7	21.5	13.01	-169.6	-1,258.0	582.8	552.5	30.30	19.236		
8,000.0	7,949.1	10,006.1	8,036.8	9.8	21.5	12.48	-174.5	-1,257.9	546.0	515.7	30.30	18.020		
8,100.0	8,048.1	10,011.6	8,036.9	9.9	21.6	11.88	-180.0	-1,257.8	525.7	495.1	30.61	17.173		
8,158.7	8,106.2	10,015.2	8,036.9	10.0	21.6	11.49	-183.6	-1,257.7	522.5	491.5	30.99	16.857 CC, ES		
8,200.0	8,147.1	10,018.0	8,037.0	10.1	21.6	11.19	-186.3	-1,257.6	524.1	492.7	31.35	16.718		
8,300.0	8,246.1	10,025.3	8,037.2	10.2	21.6	10.38	-193.7	-1,257.5	541.2	508.7	32.43	16.689 SF		
8,400.0	8,345.2	10,034.0	8,037.4	10.3	21.7	9.43	-202.3	-1,257.2	575.3	541.7	33.63	17.105		
8,500.0	8,444.2	10,033.2	8,037.3	10.5	21.7	9.52	-201.5	-1,257.3	623.8	589.0	34.79	17.930		
8,600.0	8,543.2	10,037.2	8,037.4	10.6	21.7	9.08	-205.6	-1,257.2	683.5	647.7	35.78	19.105		
8,700.0	8,642.3	10,041.0	8,037.5	10.7	21.7	8.67	-209.3	-1,257.1	751.8	715.2	36.59	20.544		
8,800.0	8,741.3	10,044.5	8,037.5	10.9	21.8	8.28	-212.8	-1,257.0	826.6	789.3	37.27	22.177		
8,900.0	8,840.3	10,047.8	8,037.6	11.0	21.8	7.92	-216.1	-1,256.9	906.2	868.4	37.84	23.946		
9,000.0	8,939.3	10,050.9	8,037.6	11.1	21.8	7.59	-219.2	-1,256.8	989.5	951.2	38.34	25.811		

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 #706H
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 #706H	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)

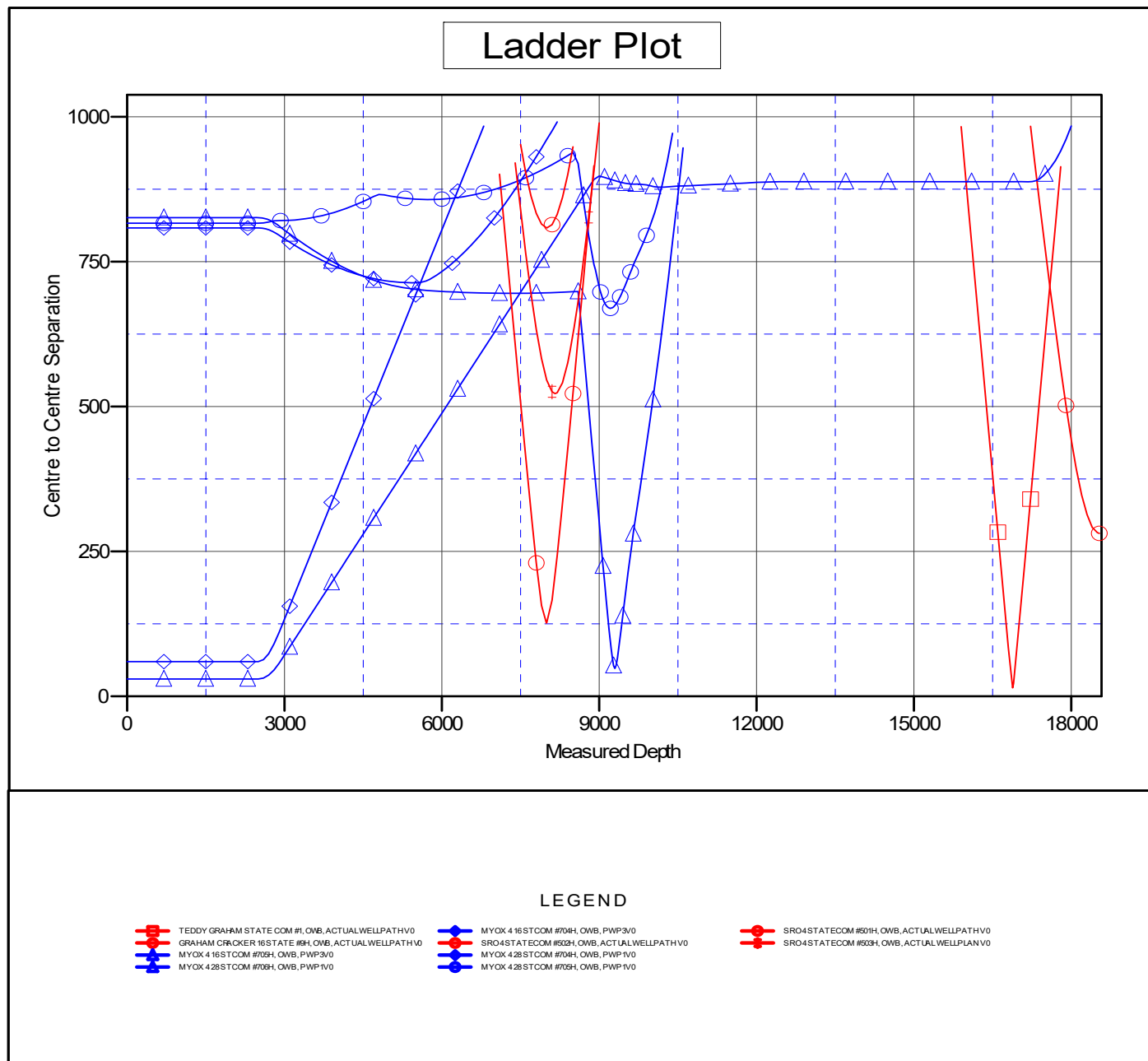
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #706H

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

Grid Convergence at Surface is: 0.13°



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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	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

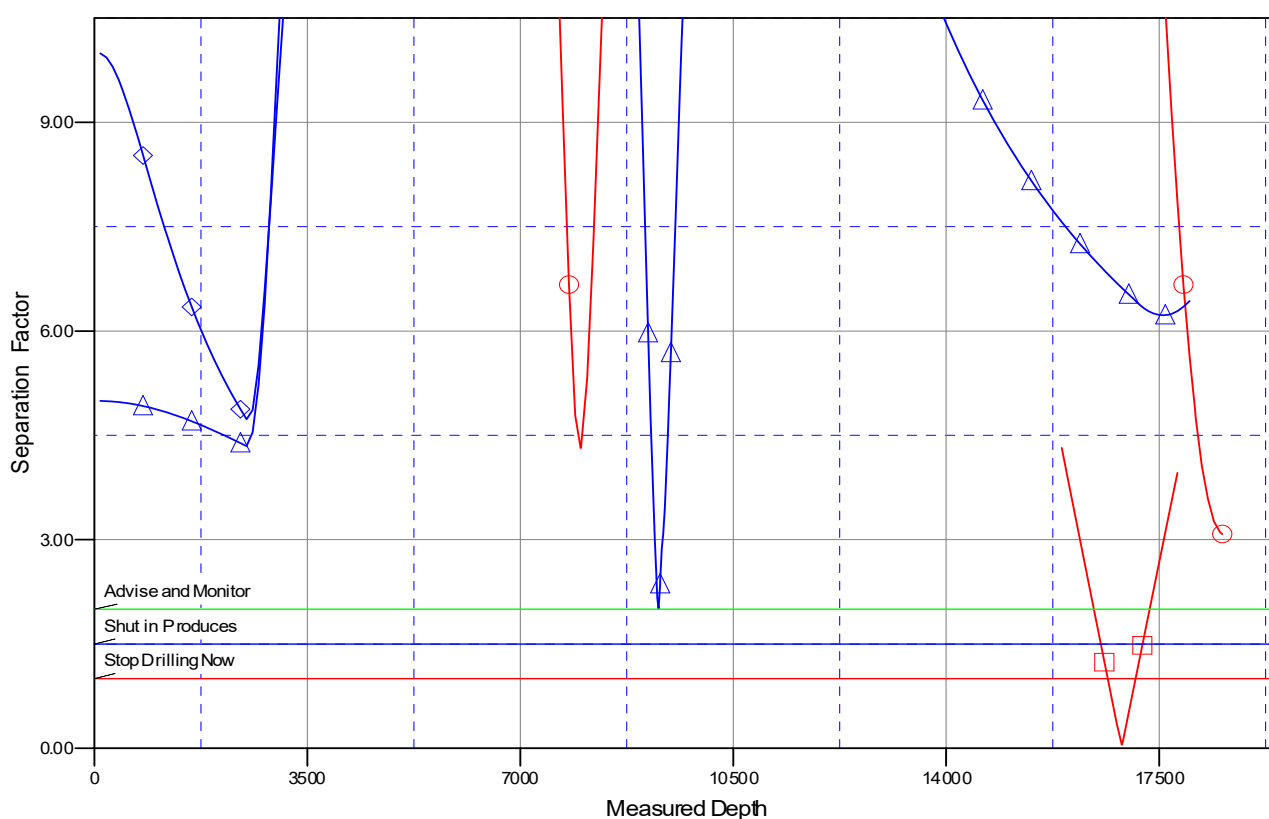
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 4 16 ST COM #706H

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

Grid Convergence at Surface is: 0.13°

Separation Factor Plot



LEGEND

TEDDY GRAHAM STATE COM #1, OWB, ACTUAL WELLPATH V0
 GRAHAM CRACKER 16 STATE #8H, OWB, ACTUAL WELLPATH V0
 MYOX 4 16 ST COM #706H, OWB, PWP3 V0
 MYOX 4 28 ST COM #706H, OWB, PWP3 V0

MYOX 4 16 ST COM #704H, OWB, PWP3 V0
 SRO4 STATE COM #602H, OWB, ACTUAL WELLPATH V0
 MYOX 4 28 ST COM #704H, OWB, PWP3 V0
 MYOX 4 28 ST COM #706H, OWB, PWP3 V0

SRO4 STATE COM #601H, OWB, ACTUAL WELLPATH V0
 SRO4 STATE COM #603H, OWB, ACTUAL WELLPATH V0

DELAWARE BASIN WEST

**ATLAS PROSPECT (NM-E)
MYOX 4 28 & 16 ST COM PROJECT
MYOX 4 16 ST COM #706H**

OWB

Plan: PWP2

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 #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Project	ATLAS PROSPECT (NM-E)		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Well	MYOX 4 16 ST COM #706H				
Well Position	+N/-S	0.0 usft	Northing:	390,358.19 usft	Latitude: 32° 4' 22.752 N
	+E/-W	0.0 usft	Easting:	573,732.65 usft	Longitude: 104° 5' 43.057 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	47,414.38245324

Design	PWP2				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.0	
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.0	0.0	0.0	187.29	

Survey Tool Program	Date	1/5/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,022.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,022.0	18,536.2	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	
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 #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	257.00	2,600.0	-0.4	-1.7	0.6	2.00	2.00	0.00
2,700.0	4.00	257.00	2,699.8	-1.6	-6.8	2.4	2.00	2.00	0.00
2,800.0	6.00	257.00	2,799.5	-3.5	-15.3	5.4	2.00	2.00	0.00
2,900.0	8.00	257.00	2,898.7	-6.3	-27.2	9.7	2.00	2.00	0.00
Start 6118.7 hold at 2900.0 MD									
3,000.0	8.00	257.00	2,997.7	-9.4	-40.7	14.5	0.00	0.00	0.00
3,100.0	8.00	257.00	3,096.8	-12.5	-54.3	19.3	0.00	0.00	0.00
3,200.0	8.00	257.00	3,195.8	-15.7	-67.8	24.1	0.00	0.00	0.00
3,300.0	8.00	257.00	3,294.8	-18.8	-81.4	29.0	0.00	0.00	0.00
3,400.0	8.00	257.00	3,393.8	-21.9	-95.0	33.8	0.00	0.00	0.00
3,500.0	8.00	257.00	3,492.9	-25.1	-108.5	38.6	0.00	0.00	0.00
3,600.0	8.00	257.00	3,591.9	-28.2	-122.1	43.5	0.00	0.00	0.00
3,700.0	8.00	257.00	3,690.9	-31.3	-135.7	48.3	0.00	0.00	0.00
3,800.0	8.00	257.00	3,789.9	-34.4	-149.2	53.1	0.00	0.00	0.00
3,900.0	8.00	257.00	3,889.0	-37.6	-162.8	57.9	0.00	0.00	0.00
4,000.0	8.00	257.00	3,988.0	-40.7	-176.3	62.8	0.00	0.00	0.00
4,100.0	8.00	257.00	4,087.0	-43.8	-189.9	67.6	0.00	0.00	0.00
4,200.0	8.00	257.00	4,186.0	-47.0	-203.5	72.4	0.00	0.00	0.00
4,300.0	8.00	257.00	4,285.1	-50.1	-217.0	77.2	0.00	0.00	0.00
4,400.0	8.00	257.00	4,384.1	-53.2	-230.6	82.1	0.00	0.00	0.00
4,500.0	8.00	257.00	4,483.1	-56.4	-244.1	86.9	0.00	0.00	0.00
4,600.0	8.00	257.00	4,582.2	-59.5	-257.7	91.7	0.00	0.00	0.00
4,700.0	8.00	257.00	4,681.2	-62.6	-271.3	96.6	0.00	0.00	0.00
4,800.0	8.00	257.00	4,780.2	-65.8	-284.8	101.4	0.00	0.00	0.00
4,900.0	8.00	257.00	4,879.2	-68.9	-298.4	106.2	0.00	0.00	0.00
5,000.0	8.00	257.00	4,978.3	-72.0	-311.9	111.0	0.00	0.00	0.00
5,100.0	8.00	257.00	5,077.3	-75.1	-325.5	115.9	0.00	0.00	0.00
5,200.0	8.00	257.00	5,176.3	-78.3	-339.1	120.7	0.00	0.00	0.00
5,300.0	8.00	257.00	5,275.3	-81.4	-352.6	125.5	0.00	0.00	0.00
5,400.0	8.00	257.00	5,374.4	-84.5	-366.2	130.3	0.00	0.00	0.00
5,500.0	8.00	257.00	5,473.4	-87.7	-379.7	135.2	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 #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,600.0	8.00	257.00	5,572.4	-90.8	-393.3	140.0	0.00	0.00	0.00
5,700.0	8.00	257.00	5,671.5	-93.9	-406.9	144.8	0.00	0.00	0.00
5,800.0	8.00	257.00	5,770.5	-97.1	-420.4	149.6	0.00	0.00	0.00
5,900.0	8.00	257.00	5,869.5	-100.2	-434.0	154.5	0.00	0.00	0.00
6,000.0	8.00	257.00	5,968.5	-103.3	-447.5	159.3	0.00	0.00	0.00
6,100.0	8.00	257.00	6,067.6	-106.5	-461.1	164.1	0.00	0.00	0.00
6,200.0	8.00	257.00	6,166.6	-109.6	-474.7	169.0	0.00	0.00	0.00
6,300.0	8.00	257.00	6,265.6	-112.7	-488.2	173.8	0.00	0.00	0.00
6,400.0	8.00	257.00	6,364.6	-115.8	-501.8	178.6	0.00	0.00	0.00
6,500.0	8.00	257.00	6,463.7	-119.0	-515.3	183.4	0.00	0.00	0.00
6,600.0	8.00	257.00	6,562.7	-122.1	-528.9	188.3	0.00	0.00	0.00
6,700.0	8.00	257.00	6,661.7	-125.2	-542.5	193.1	0.00	0.00	0.00
6,800.0	8.00	257.00	6,760.7	-128.4	-556.0	197.9	0.00	0.00	0.00
6,900.0	8.00	257.00	6,859.8	-131.5	-569.6	202.7	0.00	0.00	0.00
7,000.0	8.00	257.00	6,958.8	-134.6	-583.2	207.6	0.00	0.00	0.00
7,100.0	8.00	257.00	7,057.8	-137.8	-596.7	212.4	0.00	0.00	0.00
7,200.0	8.00	257.00	7,156.9	-140.9	-610.3	217.2	0.00	0.00	0.00
7,300.0	8.00	257.00	7,255.9	-144.0	-623.8	222.0	0.00	0.00	0.00
7,400.0	8.00	257.00	7,354.9	-147.2	-637.4	226.9	0.00	0.00	0.00
7,500.0	8.00	257.00	7,453.9	-150.3	-651.0	231.7	0.00	0.00	0.00
7,600.0	8.00	257.00	7,553.0	-153.4	-664.5	236.5	0.00	0.00	0.00
7,700.0	8.00	257.00	7,652.0	-156.5	-678.1	241.4	0.00	0.00	0.00
7,800.0	8.00	257.00	7,751.0	-159.7	-691.6	246.2	0.00	0.00	0.00
7,900.0	8.00	257.00	7,850.0	-162.8	-705.2	251.0	0.00	0.00	0.00
8,000.0	8.00	257.00	7,949.1	-165.9	-718.8	255.8	0.00	0.00	0.00
8,100.0	8.00	257.00	8,048.1	-169.1	-732.3	260.7	0.00	0.00	0.00
8,200.0	8.00	257.00	8,147.1	-172.2	-745.9	265.5	0.00	0.00	0.00
8,300.0	8.00	257.00	8,246.1	-175.3	-759.4	270.3	0.00	0.00	0.00
8,400.0	8.00	257.00	8,345.2	-178.5	-773.0	275.1	0.00	0.00	0.00
8,500.0	8.00	257.00	8,444.2	-181.6	-786.6	280.0	0.00	0.00	0.00
8,600.0	8.00	257.00	8,543.2	-184.7	-800.1	284.8	0.00	0.00	0.00
8,700.0	8.00	257.00	8,642.3	-187.9	-813.7	289.6	0.00	0.00	0.00
8,800.0	8.00	257.00	8,741.3	-191.0	-827.2	294.5	0.00	0.00	0.00
8,900.0	8.00	257.00	8,840.3	-194.1	-840.8	299.3	0.00	0.00	0.00
9,000.0	8.00	257.00	8,939.3	-197.2	-854.4	304.1	0.00	0.00	0.00
9,018.7	8.00	257.00	8,957.9	-197.8	-856.9	305.0	0.00	0.00	0.00
Start DLS 12.00 TFO -72.34									
9,100.0	14.35	216.36	9,037.7	-207.2	-868.4	315.8	12.00	7.81	-50.01
9,200.0	25.29	201.27	9,131.7	-237.2	-883.6	347.5	12.00	10.95	-15.09
9,300.0	36.88	195.10	9,217.2	-286.3	-899.2	398.1	12.00	11.58	-6.17
9,400.0	48.64	191.59	9,290.5	-352.3	-914.6	465.5	12.00	11.76	-3.51
9,500.0	60.48	189.17	9,348.4	-432.3	-929.1	546.7	12.00	11.84	-2.42
9,600.0	72.35	187.26	9,388.3	-522.8	-942.1	638.2	12.00	11.87	-1.91
9,700.0	84.24	185.60	9,408.6	-620.0	-953.0	735.9	12.00	11.89	-1.67

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,749.8	90.17	184.80	9,411.0	-669.5	-957.5	785.6	12.00	11.89	-1.60
Start DLS 2.00 TFO -90.01									
9,800.0	90.17	183.80	9,410.8	-719.5	-961.3	835.7	2.00	0.00	-2.00
9,900.0	90.17	181.80	9,410.5	-819.4	-966.2	935.4	2.00	0.00	-2.00
10,000.0	90.17	179.80	9,410.2	-919.4	-967.6	1,034.8	2.00	0.00	-2.00
10,024.0	90.17	179.32	9,410.2	-943.4	-967.4	1,058.6	2.00	0.00	-2.00
Start 2233.8 hold at 10024.0 MD									
10,100.0	90.17	179.32	9,410.0	-1,019.4	-966.5	1,133.8	0.00	0.00	0.00
10,200.0	90.17	179.32	9,409.7	-1,119.4	-965.3	1,232.9	0.00	0.00	0.00
10,300.0	90.17	179.32	9,409.4	-1,219.4	-964.1	1,331.9	0.00	0.00	0.00
10,400.0	90.17	179.32	9,409.1	-1,319.4	-962.9	1,430.9	0.00	0.00	0.00
10,500.0	90.17	179.32	9,408.8	-1,419.4	-961.7	1,530.0	0.00	0.00	0.00
10,600.0	90.17	179.32	9,408.5	-1,519.3	-960.5	1,629.0	0.00	0.00	0.00
10,700.0	90.17	179.32	9,408.2	-1,619.3	-959.3	1,728.0	0.00	0.00	0.00
10,800.0	90.17	179.32	9,407.9	-1,719.3	-958.1	1,827.0	0.00	0.00	0.00
10,900.0	90.17	179.32	9,407.6	-1,819.3	-956.9	1,926.1	0.00	0.00	0.00
11,000.0	90.17	179.32	9,407.3	-1,919.3	-955.7	2,025.1	0.00	0.00	0.00
11,100.0	90.17	179.32	9,407.0	-2,019.3	-954.5	2,124.1	0.00	0.00	0.00
11,200.0	90.17	179.32	9,406.7	-2,119.3	-953.3	2,223.2	0.00	0.00	0.00
11,300.0	90.17	179.32	9,406.4	-2,219.3	-952.2	2,322.2	0.00	0.00	0.00
11,400.0	90.17	179.32	9,406.1	-2,319.3	-951.0	2,421.2	0.00	0.00	0.00
11,500.0	90.17	179.32	9,405.8	-2,419.3	-949.8	2,520.3	0.00	0.00	0.00
11,600.0	90.17	179.32	9,405.5	-2,519.3	-948.6	2,619.3	0.00	0.00	0.00
11,700.0	90.17	179.32	9,405.2	-2,619.3	-947.4	2,718.3	0.00	0.00	0.00
11,800.0	90.17	179.32	9,404.9	-2,719.3	-946.2	2,817.4	0.00	0.00	0.00
11,900.0	90.17	179.32	9,404.7	-2,819.2	-945.0	2,916.4	0.00	0.00	0.00
12,000.0	90.17	179.32	9,404.4	-2,919.2	-943.8	3,015.4	0.00	0.00	0.00
12,100.0	90.17	179.32	9,404.1	-3,019.2	-942.6	3,114.5	0.00	0.00	0.00
12,200.0	90.17	179.32	9,403.8	-3,119.2	-941.4	3,213.5	0.00	0.00	0.00
12,257.8	90.17	179.32	9,403.6	-3,177.0	-940.7	3,270.7	0.00	0.00	0.00
Start DLS 2.00 TFO 90.29									
12,293.3	90.16	180.03	9,403.5	-3,212.5	-940.5	3,305.9	2.00	-0.01	2.00
Start 4929.8 hold at 12293.3 MD									
12,300.0	90.16	180.03	9,403.5	-3,219.2	-940.5	3,312.6	0.00	0.00	0.00
12,400.0	90.16	180.03	9,403.2	-3,319.2	-940.6	3,411.8	0.00	0.00	0.00
12,500.0	90.16	180.03	9,402.9	-3,419.2	-940.6	3,511.0	0.00	0.00	0.00
12,600.0	90.16	180.03	9,402.6	-3,519.2	-940.7	3,610.2	0.00	0.00	0.00
12,700.0	90.16	180.03	9,402.3	-3,619.2	-940.7	3,709.4	0.00	0.00	0.00
12,800.0	90.16	180.03	9,402.0	-3,719.2	-940.7	3,808.6	0.00	0.00	0.00
12,900.0	90.16	180.03	9,401.7	-3,819.2	-940.8	3,907.7	0.00	0.00	0.00
13,000.0	90.16	180.03	9,401.5	-3,919.2	-940.8	4,006.9	0.00	0.00	0.00
13,100.0	90.16	180.03	9,401.2	-4,019.2	-940.9	4,106.1	0.00	0.00	0.00
13,200.0	90.16	180.03	9,400.9	-4,119.2	-940.9	4,205.3	0.00	0.00	0.00
13,300.0	90.16	180.03	9,400.6	-4,219.2	-941.0	4,304.5	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 #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,400.0	90.16	180.03	9,400.3	-4,319.2	-941.0	4,403.7	0.00	0.00	0.00
13,500.0	90.16	180.03	9,400.0	-4,419.2	-941.1	4,502.9	0.00	0.00	0.00
13,600.0	90.16	180.03	9,399.7	-4,519.2	-941.1	4,602.1	0.00	0.00	0.00
13,700.0	90.16	180.03	9,399.4	-4,619.2	-941.2	4,701.3	0.00	0.00	0.00
13,800.0	90.16	180.03	9,399.2	-4,719.2	-941.2	4,800.5	0.00	0.00	0.00
13,900.0	90.16	180.03	9,398.9	-4,819.2	-941.2	4,899.7	0.00	0.00	0.00
14,000.0	90.16	180.03	9,398.6	-4,919.2	-941.3	4,998.9	0.00	0.00	0.00
14,100.0	90.16	180.03	9,398.3	-5,019.2	-941.3	5,098.1	0.00	0.00	0.00
14,200.0	90.16	180.03	9,398.0	-5,119.2	-941.4	5,197.3	0.00	0.00	0.00
14,300.0	90.16	180.03	9,397.7	-5,219.2	-941.4	5,296.5	0.00	0.00	0.00
14,400.0	90.16	180.03	9,397.4	-5,319.2	-941.5	5,395.7	0.00	0.00	0.00
14,500.0	90.16	180.03	9,397.1	-5,419.2	-941.5	5,494.9	0.00	0.00	0.00
14,600.0	90.16	180.03	9,396.9	-5,519.2	-941.6	5,594.1	0.00	0.00	0.00
14,700.0	90.16	180.03	9,396.6	-5,619.2	-941.6	5,693.3	0.00	0.00	0.00
14,800.0	90.16	180.03	9,396.3	-5,719.2	-941.7	5,792.5	0.00	0.00	0.00
14,900.0	90.16	180.03	9,396.0	-5,819.2	-941.7	5,891.7	0.00	0.00	0.00
15,000.0	90.16	180.03	9,395.7	-5,919.2	-941.7	5,990.9	0.00	0.00	0.00
15,100.0	90.16	180.03	9,395.4	-6,019.2	-941.8	6,090.1	0.00	0.00	0.00
15,200.0	90.16	180.03	9,395.1	-6,119.2	-941.8	6,189.3	0.00	0.00	0.00
15,300.0	90.16	180.03	9,394.8	-6,219.2	-941.9	6,288.5	0.00	0.00	0.00
15,400.0	90.16	180.03	9,394.5	-6,319.2	-941.9	6,387.7	0.00	0.00	0.00
15,500.0	90.16	180.03	9,394.3	-6,419.2	-942.0	6,486.9	0.00	0.00	0.00
15,600.0	90.16	180.03	9,394.0	-6,519.2	-942.0	6,586.0	0.00	0.00	0.00
15,700.0	90.16	180.03	9,393.7	-6,619.2	-942.1	6,685.2	0.00	0.00	0.00
15,800.0	90.16	180.03	9,393.4	-6,719.2	-942.1	6,784.4	0.00	0.00	0.00
15,900.0	90.16	180.03	9,393.1	-6,819.2	-942.2	6,883.6	0.00	0.00	0.00
16,000.0	90.16	180.03	9,392.8	-6,919.2	-942.2	6,982.8	0.00	0.00	0.00
16,100.0	90.16	180.03	9,392.5	-7,019.2	-942.2	7,082.0	0.00	0.00	0.00
16,200.0	90.16	180.03	9,392.2	-7,119.2	-942.3	7,181.2	0.00	0.00	0.00
16,300.0	90.16	180.03	9,392.0	-7,219.2	-942.3	7,280.4	0.00	0.00	0.00
16,400.0	90.16	180.03	9,391.7	-7,319.2	-942.4	7,379.6	0.00	0.00	0.00
16,500.0	90.16	180.03	9,391.4	-7,419.2	-942.4	7,478.8	0.00	0.00	0.00
16,600.0	90.16	180.03	9,391.1	-7,519.2	-942.5	7,578.0	0.00	0.00	0.00
16,700.0	90.16	180.03	9,390.8	-7,619.2	-942.5	7,677.2	0.00	0.00	0.00
16,800.0	90.16	180.03	9,390.5	-7,719.2	-942.6	7,776.4	0.00	0.00	0.00
16,900.0	90.16	180.03	9,390.2	-7,819.2	-942.6	7,875.6	0.00	0.00	0.00
17,000.0	90.16	180.03	9,389.9	-7,919.2	-942.7	7,974.8	0.00	0.00	0.00
17,100.0	90.16	180.03	9,389.7	-8,019.2	-942.7	8,074.0	0.00	0.00	0.00
17,200.0	90.16	180.03	9,389.4	-8,119.2	-942.7	8,173.2	0.00	0.00	0.00
17,223.1	90.16	180.03	9,389.3	-8,142.3	-942.8	8,196.1	0.00	0.00	0.00
Start DLS 2.00 TFO 90.08									
17,300.0	90.16	181.56	9,389.1	-8,219.2	-943.8	8,272.5	2.00	0.00	2.00
17,400.0	90.16	183.56	9,388.8	-8,319.1	-948.3	8,372.2	2.00	0.00	2.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	90.16	185.56	9,388.5	-8,418.8	-956.2	8,472.0	2.00	0.00	2.00
17,600.0	90.15	187.56	9,388.3	-8,518.1	-967.7	8,572.0	2.00	0.00	2.00
17,700.0	90.15	189.56	9,388.0	-8,617.0	-982.6	8,672.0	2.00	0.00	2.00
17,800.0	90.14	191.56	9,387.7	-8,715.3	-1,000.9	8,771.8	2.00	0.00	2.00
17,900.0	90.14	193.56	9,387.5	-8,812.9	-1,022.7	8,871.4	2.00	0.00	2.00
18,000.0	90.14	195.56	9,387.2	-8,909.7	-1,047.8	8,970.6	2.00	0.00	2.00
18,085.7	90.13	197.28	9,387.0	-8,991.8	-1,072.0	9,055.2	2.00	0.00	2.00
Start 450.6 hold at 18085.7 MD									
18,100.0	90.13	197.28	9,387.0	-9,005.5	-1,076.3	9,069.3	0.00	0.00	0.00
18,200.0	90.13	197.28	9,386.8	-9,101.0	-1,106.0	9,167.8	0.00	0.00	0.00
18,300.0	90.13	197.28	9,386.5	-9,196.5	-1,135.7	9,266.3	0.00	0.00	0.00
18,400.0	90.13	197.28	9,386.3	-9,292.0	-1,165.4	9,364.7	0.00	0.00	0.00
18,500.0	90.13	197.28	9,386.1	-9,387.5	-1,195.1	9,463.2	0.00	0.00	0.00
18,536.2	90.13	197.28	9,386.0	-9,422.1	-1,205.8	9,498.9	0.00	0.00	0.00
TD at 18536.2									

Design Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
LTP/PBHL (MYOX 4 1 - hit/miss target - Shape - Point	0.17	17.17	9,386.0	-9,422.1	-1,205.8	380,936.11	572,526.82	32° 2' 49.532 N	104° 5' 57.309 W
POI 2 (MYOX 4 16 ST - plan hits target center - Rectangle (sides W100.0 H4,953.0 D20.0)	0.17	0.03	9,389.3	-8,142.3	-942.8	382,215.88	572,789.90	32° 3' 2.191 N	104° 5' 54.220 W
POI 1 (MYOX 4 16 ST - plan hits target center - Rectangle (sides W100.0 H3,025.0 D20.0)	0.17	359.07	9,403.6	-3,177.0	-940.7	387,181.17	572,791.93	32° 3' 51.331 N	104° 5' 54.070 W
FTP (MYOX 4 16 ST - plan misses target center by 40.5usft at 9632.7usft MD (9397.2 TVD, -554.0 N, -945.9 E) - Circle (radius 50.0)	0.00	0.00	9,411.0	-547.0	-983.3	389,811.21	572,749.31	32° 4' 17.360 N	104° 5' 54.499 W

Plan Annotations

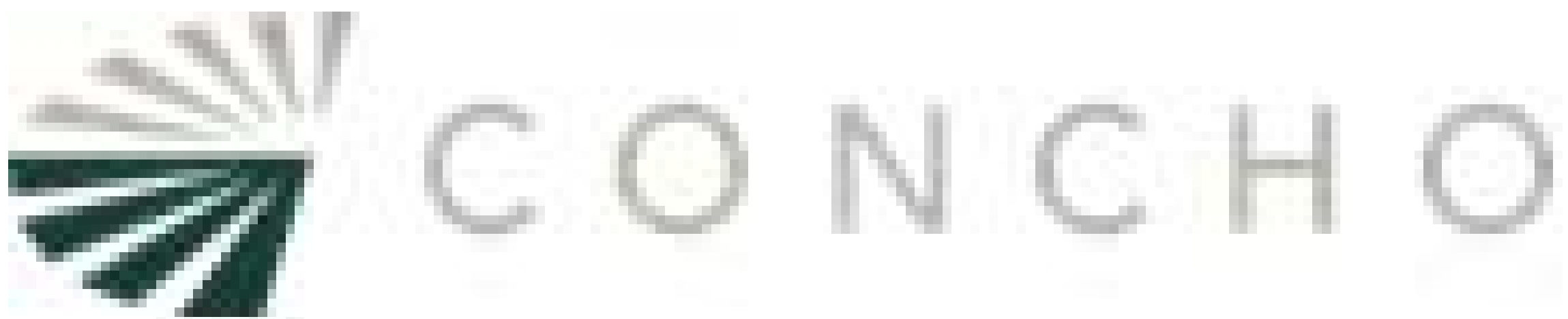
Measured Depth (usft)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Comment
2500	2500	0	0	Start Build 2.00
2900	2899	-6	-27	Start 6118.7 hold at 2900.0 MD
9019	8958	-198	-857	Start DLS 12.00 TFO -72.34
9750	9411	-670	-958	Start DLS 2.00 TFO -90.01
10,024	9410	-943	-967	Start 2233.8 hold at 10024.0 MD
12,258	9404	-3177	-941	Start DLS 2.00 TFO 90.29
12,293	9403	-3213	-941	Start 4929.8 hold at 12293.3 MD
17,223	9389	-8142	-943	Start DLS 2.00 TFO 90.08
18,086	9387	-8992	-1072	Start 450.6 hold at 18085.7 MD
18,536	9386	-9422	-1206	TD at 18536.2

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 4 16 ST COM #706H
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 #706H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

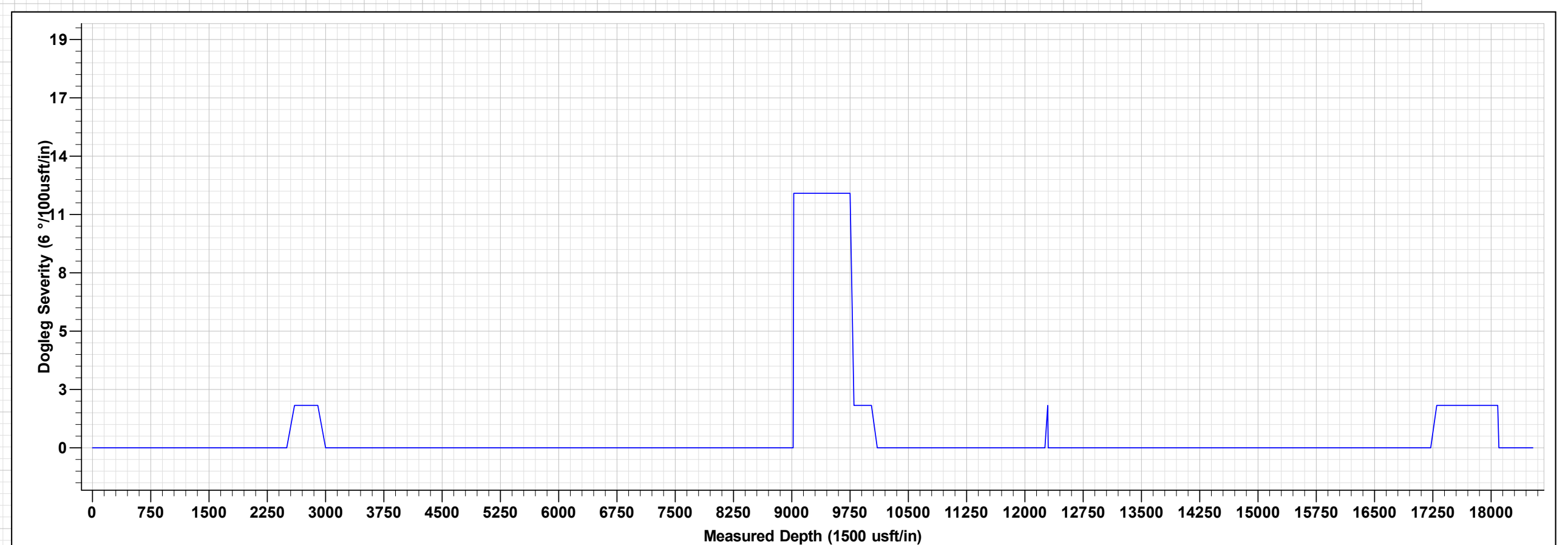
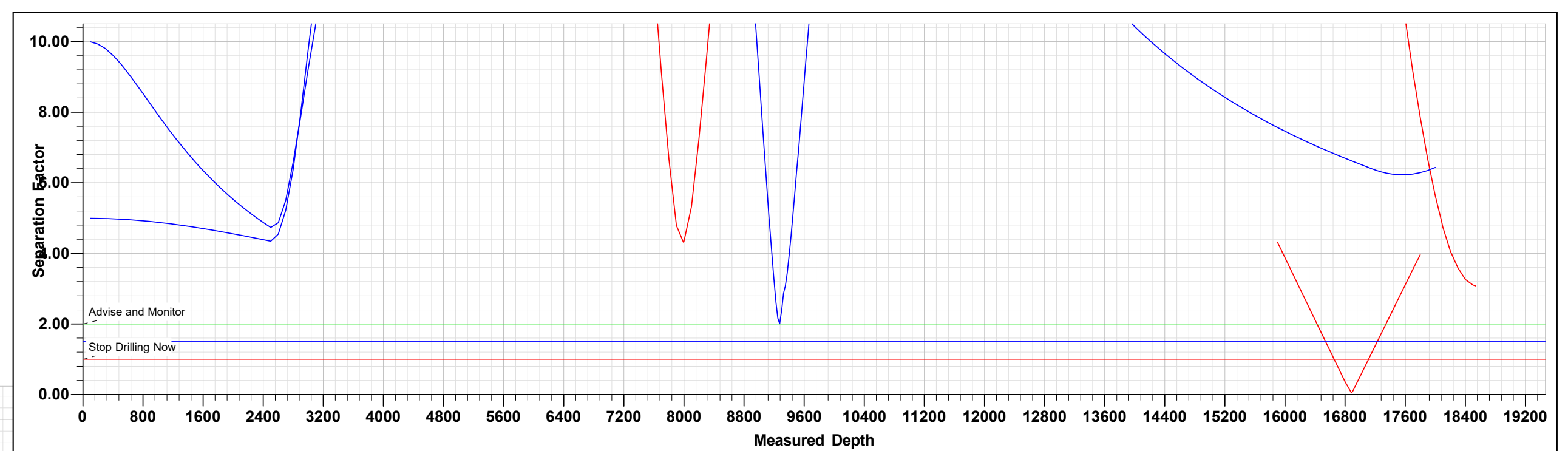
Checked By: _____ Approved By: _____ Date: _____



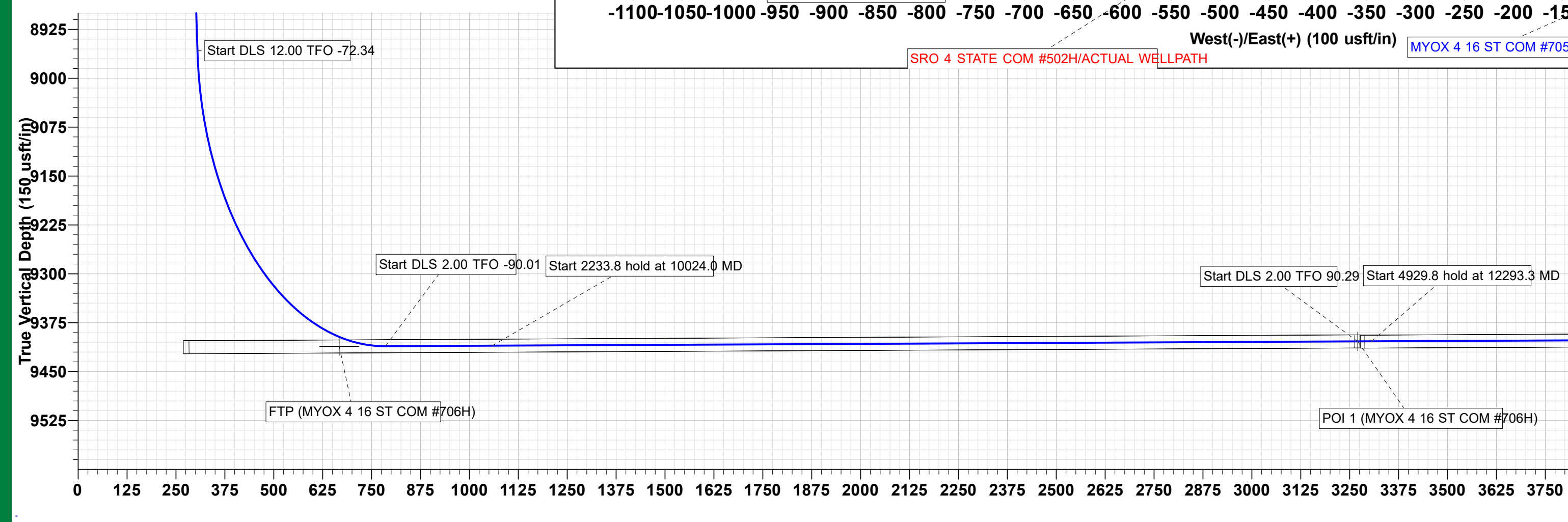
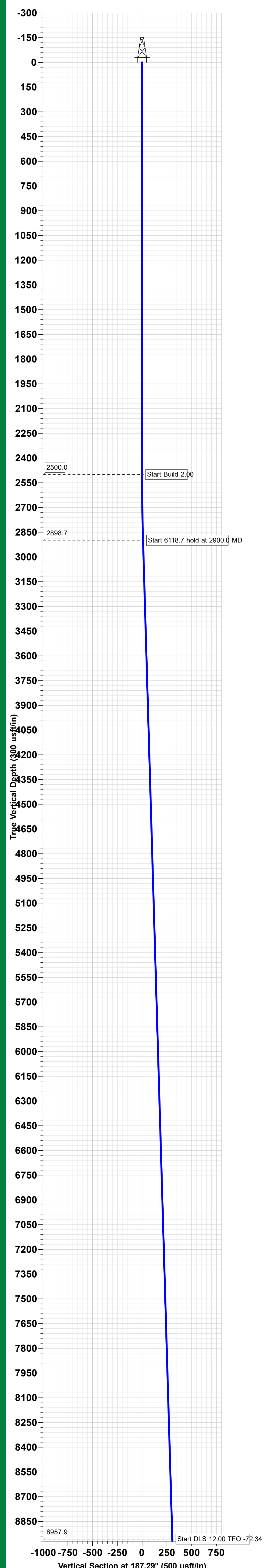
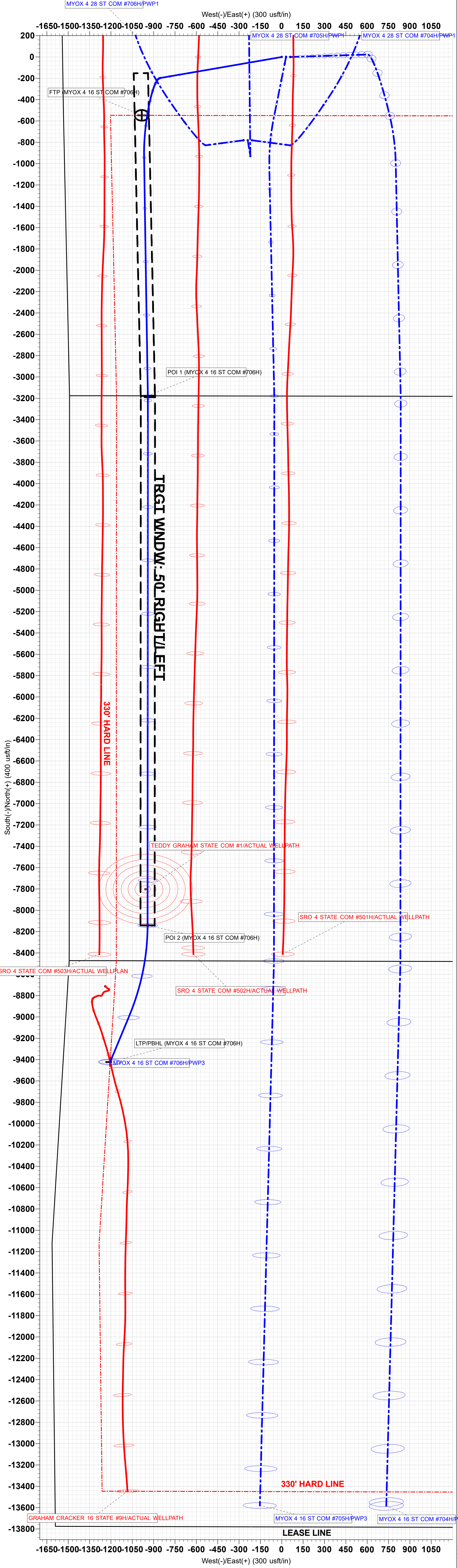
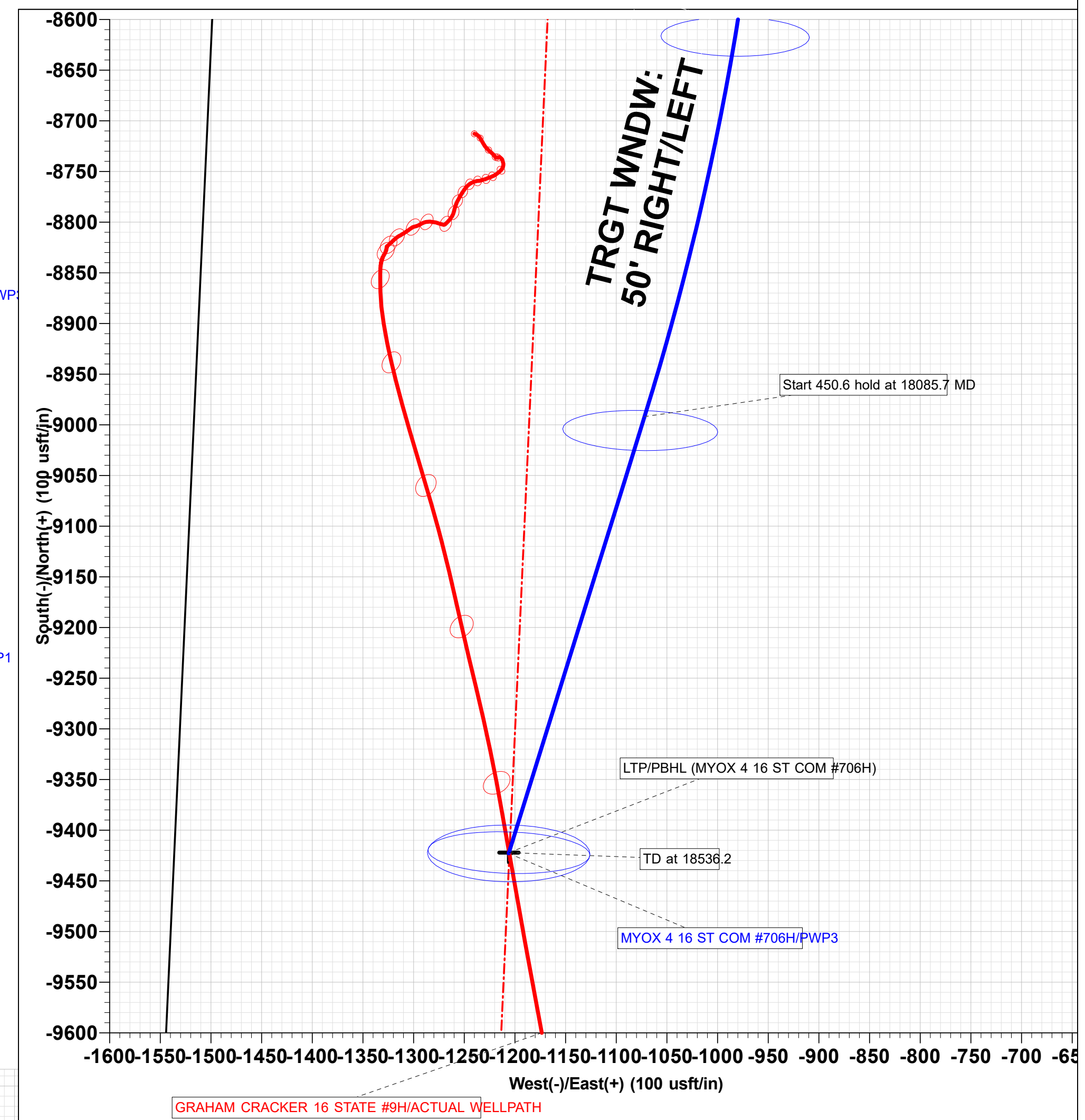
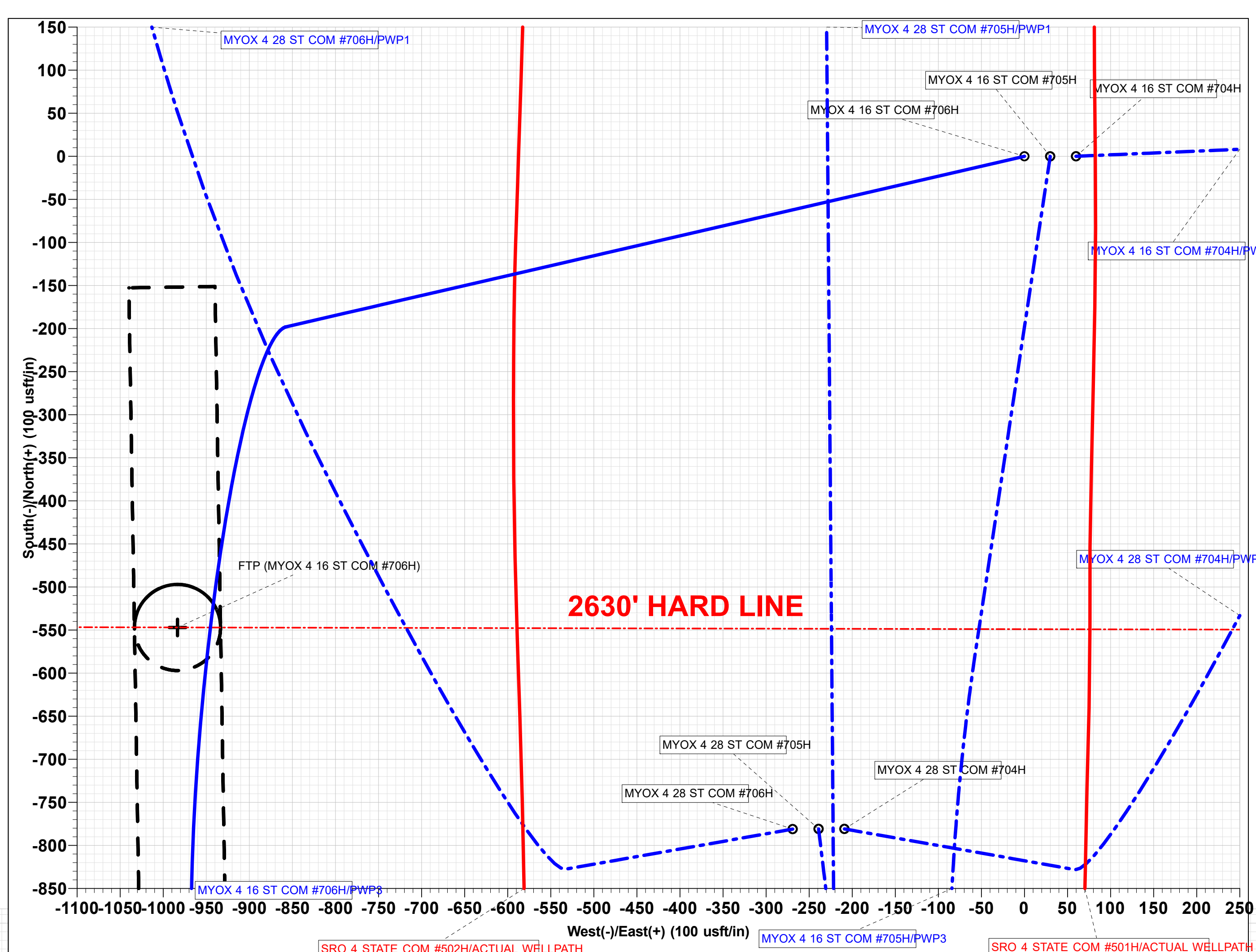
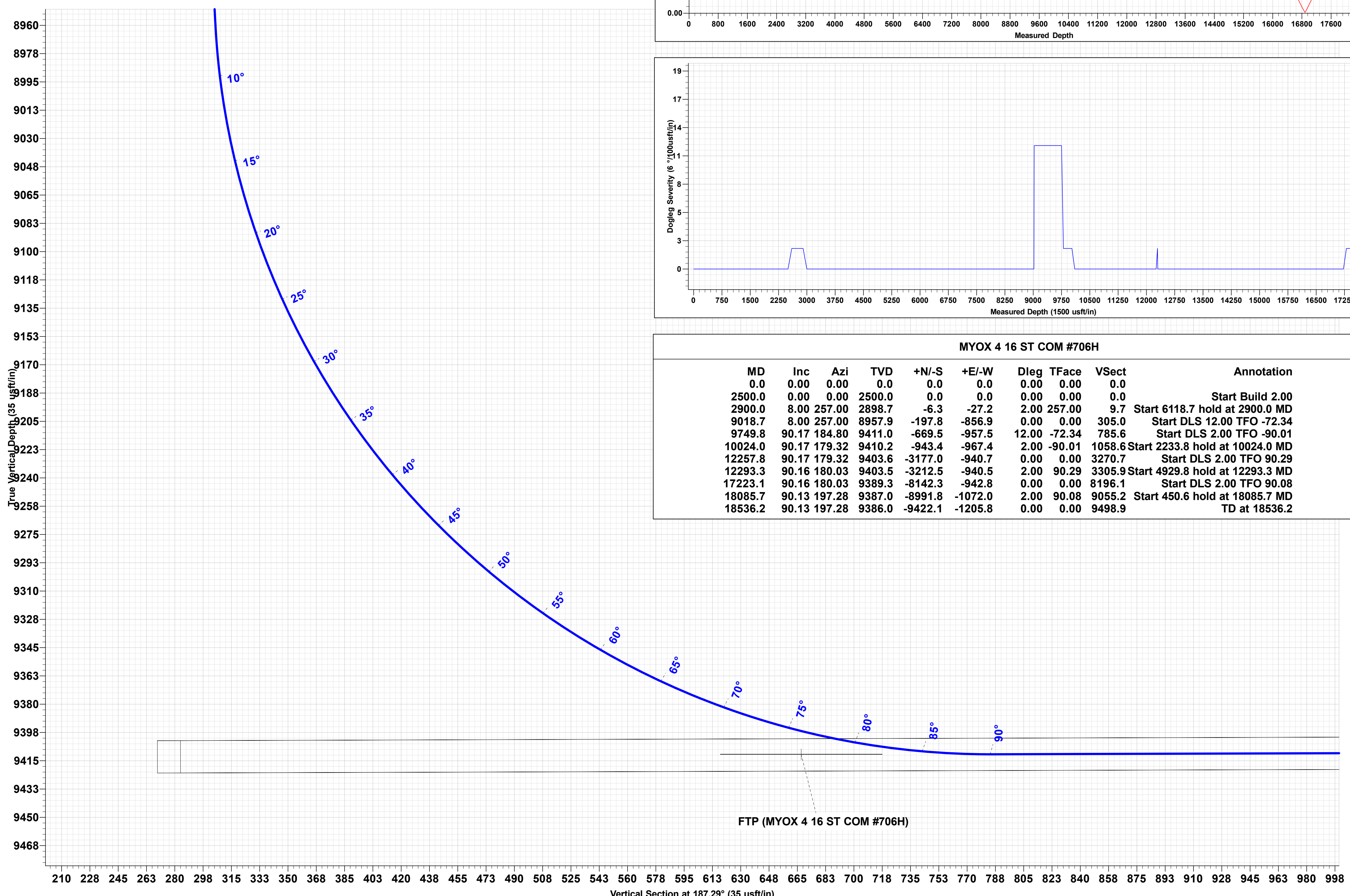
Project: ATLAS PROSPECT (NM-E)
Site: MYOX 4 28 & 16 ST COM PROJECT
Well: MYOX 4 16 ST COM #706H
Wellbore: OWB
Design: PWP2
GL: 2989.0
*KB=30" @ 3019.0usft (TBD)

WELL DETAILS: MYOX 4 16 ST COM #706H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	390358.19	573732.65	32° 4' 22.752 N	104° 5' 43.057 W	

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
LTP/PBHL (MYOX 4 16 ST COM #706H)	9386.0	-9422.1	-1205.8	380936.11	572526.82	32° 2' 49.532 N
POI 2 (MYOX 4 16 ST COM #706H)	9389.3	-8142.3	-942.8	382215.88	572789.90	32° 3' 2.191 N
POI 1 (MYOX 4 16 ST COM #706H)	9403.6	-3177.0	-940.7	387181.17	572791.93	32° 3' 51.331 N
FTP (MYOX 4 16 ST COM #706H)	9411.0	-547.0	-983.3	389811.21	572749.31	32° 4' 17.360 N



MYOX 4 16 ST COM #706H									
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2900.0	8.00	257.00	2896.7	-6.3	-27.2	2.00	257.00	9.7	Start 6118.7 hold at 2900.0 MD
9018.7	8.00	257.00	8957.9	-197.8	-856.9	0.00	0.00	305.0	Start DLS 12.00 TFO -72.34
9749.8	90.17	184.80	9411.0	-669.5	-957.5	12.00	-72.34	785.6	Start DLS 2.00 TFO -90.01
10024.0	90.17	179.32	9410.2	-943.4	-967.4	2.00	-90.01	1058.6	Start 2233.8 hold at 10024.0 MD
12257.8	90.17	179.32	9403.6	-3177.0	-940.7	0.00	0.00	3270.7	Start DLS 2.00 TFO 90.29
12293.3	90.16	180.03	9403.5	-3212.5	-940.5	2.00	90.29	3305.9	Start 4929.8 hold at 12293.3 MD
17223.1	90.16	180.03	9389.3	-8142.3	-942.8	0.00	0.00	8196.1	Start DLS 2.00 TFO 90.08
18085.7	90.13	197.28	9387.0	-8991.8	-1072.0	2.00	90.08	9055.2	Start 450.6 hold at 18085.7 MD
18536.2	90.13	197.28	9386.0	-9422.1	-1205.8	0.00	0.00	9498.9	TD at 18536.2



TRGT WNDW: 10' ABOVE/BELOW

Myox 4 16 State Com 706H

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#	8900'	1250	0'
Production	6-3/4"	5-1/2"	20#	18536'	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 ~8,900' 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 18,536' with OBM. Run 5-1/2" 20# P110 CDC HTQ from surface to 8,700' and TALON casing from 8,700' 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

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