Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-015-47095
5. Indicate Type of Lease STATE ■ FEE ☐
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: Myox 30 State Com
1. Type of Well: Oil Well ■ Gas Well ☐ Other
8. Well Number 706H
2. Name of Operator: COG Operating LLC
9. OGRID Number 229137
3. Address of Operator: 600 West Illinois Ave. Midland, TX 79701
10. Pool name or Wildcat: Purple Sage; Wolfcamp (Gas)
4. Well Location
Unit Letter N : 380 feet from the South line and 1296 feet from the West line
Section 18 Township 25S Range 28E NMPM County Eddy
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3045' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☒	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: Change BHL	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

COG Operating LLC requests an amendment to our approved APD for this well to reflect a change in BHL.

Change BHL TO: 50' FSL & 450' FWL M-31-25S-28E

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Stan Wagner TITLE Regulatory Advisor DATE 01/25/2020

Type or print name Stan Wagner E-mail address: PHONE: 432-253-9685

For State Use Only

APPROVED BY: John Garcia TITLE Petroleum Specialist - A DATE 1/26/2021

Conditions of Approval (if any):

NSL Will be required before well is placed on production

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

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

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

☒ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-015-47095	98220	Purple Sage; Wolfcamp (Gas)

4 Property Code	5 Property Name	6 Well Number
40178	MYOX 30 STATE COM	706H
7 OGRID No.	**8 Operator Name**	**9 Elevation**
229137	COG OPERATING LLC	3045'

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
M	18	25-S	28-E		380'	SOUTH	1296'	WEST	EDDY

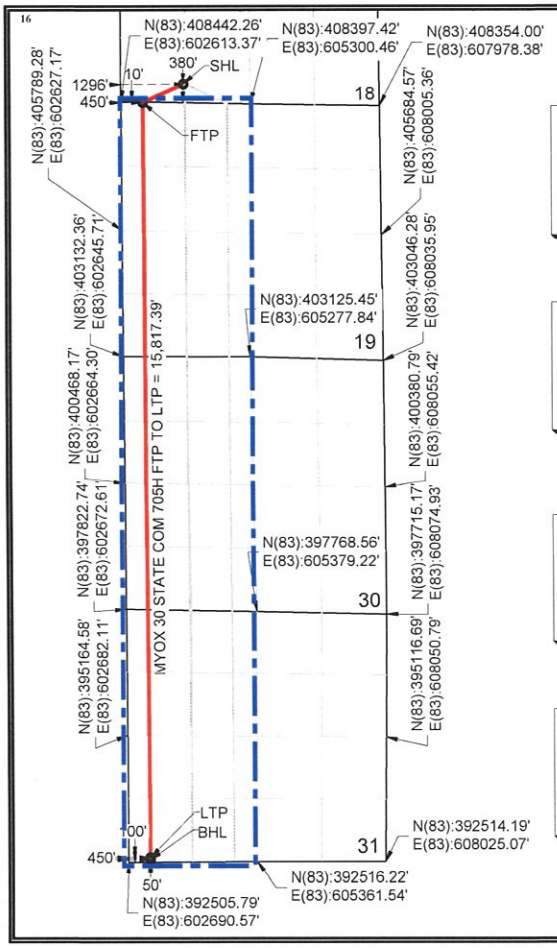
11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	31	25-S	28-E		50'	SOUTH	450'	WEST	EDDY

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
960			

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.

16



SURFACE HOLE LOCATION (SHL)
NEW MEXICO EAST - NAD 83
X=603907.99 LAT.= 32.12371067° N
Y=408800.65 LONG.= 104.13121360° W
380' FSL, 1296' FWL - SECTION 18

FIRST TAKE POINT (FTP)
NEW MEXICO EAST - NAD 83
X=603063.47 LAT.= 32.12268167° N
Y=408424.75 LONG.= 104.13394387° W
10' FNL, 450' FWL - SECTION 19

LAST TAKE POINT (LTP)
NEW MEXICO EAST - NAD 83
X=603140.24 LAT.= 32.07920068° N
Y=392607.55 LONG.= 104.13379043° W
100' FSL, 450' FWL - SECTION 31

BOTTOM HOLE LOCATION (BHL)
NEW MEXICO EAST - NAD 83
X=603140.40 LAT.= 32.07906323° N
Y=392557.55 LONG.= 104.13379021° W
50' FSL, 450' FWL - SECTION 31

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Stan Wagner 10/12/20
Signature Date

Stan Wagner
Printed Name

E-mail Address

18 SURVEYOR CERTIFICATION

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

Date of Survey

Signature and Seal of Professional Surveyor:

GARRETT J SMELKER
NEW MEXICO
25036
09/30/2020
PROFESSIONAL SURVEYOR

Certificate Number

Intent [X] As Drilled [ ]

API #
30-015-47094

Operator Name:	Property Name:	Well Number
COG Operating LLC	Myox 30 State Com	706H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	18	25S	28E						Eddy

Latitude	Longitude	NAD
		83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
D	19	25S	28E		10	North	450	West	Eddy

Latitude	Longitude	NAD
32.12268167	-104.13394387	NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
M	31	25S	28E		100	South	450	West	Eddy

Latitude	Longitude	NAD
32.07920068	-104.13379043	NAD 83

Is this well the defining well for the Horizontal Spacing Unit? [No]

Is 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 #
30-015-47094

Operator Name:	Property Name:	Well Number
COG Operating LLC	Myox 30 State Com	705H

KZ 06/29/2018

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
MYOX 30 & 31 STATE PROJECT (ATLAS 2528)
MYOX 30 STATE COM #706H

OWB
PWP2

Anticollision Report

20 November, 2020

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Reference PWP2

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 2,000.0 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 11/20/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	25,457.6	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
MYOX 30 & 31 STATE PROJECT (ATLAS 2528)						
MYOX 30 STATE COM #704H - OWB - PWP2	2,500.0	2,500.0	59.9	47.2	4.723	CC, ES, SF
MYOX 30 STATE COM #705H - OWB - PWP2	2,500.0	2,500.0	29.9	17.2	2.359	CC, ES, SF
SCOUT STATE PROJECT (ATLAS 2528)						
SCOUT ST COM #605H - OWB - PWP1	9,081.5	24,013.7	441.5	282.1	2.769	CC
SCOUT ST COM #605H - OWB - PWP1	9,100.0	24,024.9	441.9	281.8	2.759	ES
SCOUT ST COM #605H - OWB - PWP1	9,150.0	24,057.2	446.5	284.7	2.759	SF
SCOUT ST COM #606H - OWB - PWP1	9,450.0	24,172.1	380.4	221.4	2.393	ES, SF
SCOUT ST COM #606H - OWB - PWP1	9,483.4	24,172.1	378.9	223.2	2.433	CC

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #704H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	90.87	-0.9	59.9	59.9				
100.0	100.0	100.0	100.0	3.0	3.0	90.87	-0.9	59.9	59.9	53.9	6.00	9.975	
200.0	200.0	200.0	200.0	3.0	3.0	90.87	-0.9	59.9	59.9	53.8	6.04	9.913	
300.0	300.0	300.0	300.0	3.1	3.0	90.87	-0.9	59.9	59.9	53.8	6.12	9.783	
400.0	400.0	400.0	400.0	3.2	3.0	90.87	-0.9	59.9	59.9	53.6	6.24	9.595	
500.0	500.0	500.0	500.0	3.4	3.1	90.87	-0.9	59.9	59.9	53.5	6.40	9.361	
600.0	600.0	600.0	600.0	3.6	3.1	90.87	-0.9	59.9	59.9	53.3	6.58	9.095	
700.0	700.0	700.0	700.0	3.8	3.1	90.87	-0.9	59.9	59.9	53.1	6.80	8.807	
800.0	800.0	800.0	800.0	4.0	3.2	90.87	-0.9	59.9	59.9	52.8	7.04	8.510	
900.0	900.0	900.0	900.0	4.2	3.2	90.87	-0.9	59.9	59.9	52.6	7.29	8.209	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	90.87	-0.9	59.9	59.9	52.3	7.57	7.911	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	90.87	-0.9	59.9	59.9	52.0	7.86	7.621	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	90.87	-0.9	59.9	59.9	51.7	8.16	7.340	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	90.87	-0.9	59.9	59.9	51.4	8.47	7.070	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	90.87	-0.9	59.9	59.9	51.1	8.79	6.812	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	90.87	-0.9	59.9	59.9	50.8	9.12	6.567	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	90.87	-0.9	59.9	59.9	50.4	9.45	6.334	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	90.87	-0.9	59.9	59.9	50.1	9.79	6.114	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #704H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	90.87	-0.9	59.9	59.9	49.7	10.14	5.905	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	90.87	-0.9	59.9	59.9	49.4	10.49	5.707	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	90.87	-0.9	59.9	59.9	49.0	10.85	5.520	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	90.87	-0.9	59.9	59.9	48.7	11.21	5.343	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	90.87	-0.9	59.9	59.9	48.3	11.57	5.175	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	90.87	-0.9	59.9	59.9	47.9	11.94	5.016	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	90.87	-0.9	59.9	59.9	47.6	12.31	4.866	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	90.87	-0.9	59.9	59.9	47.2	12.68	4.723	CC, ES, SF
2,600.0	2,600.0	2,597.9	2,597.9	9.6	4.4	161.81	-1.4	61.5	63.2	50.1	13.04	4.843	
2,700.0	2,699.9	2,696.3	2,696.2	9.9	4.5	164.06	-2.9	65.9	72.8	59.4	13.40	5.429	
2,800.0	2,799.6	2,795.5	2,795.3	10.2	4.5	166.21	-4.5	70.8	84.6	70.8	13.77	6.143	
2,900.0	2,899.4	2,894.8	2,894.4	10.6	4.5	167.83	-6.1	75.8	96.5	82.4	14.14	6.826	
3,000.0	2,999.1	2,994.0	2,993.5	10.9	4.5	169.09	-7.7	80.7	108.5	94.0	14.51	7.477	
3,100.0	3,098.9	3,093.3	3,092.6	11.2	4.5	170.10	-9.3	85.7	120.5	105.6	14.88	8.096	
3,200.0	3,198.6	3,192.5	3,191.7	11.6	4.6	170.93	-10.9	90.6	132.5	117.3	15.26	8.685	
3,300.0	3,298.4	3,291.8	3,290.9	11.9	4.6	171.62	-12.5	95.6	144.6	129.0	15.65	9.244	
3,400.0	3,398.1	3,391.1	3,390.0	12.3	4.6	172.20	-14.1	100.5	156.7	140.7	16.03	9.775	
3,500.0	3,497.9	3,490.3	3,489.1	12.6	4.7	172.70	-15.7	105.4	168.8	152.4	16.42	10.280	
3,600.0	3,597.6	3,589.6	3,588.2	13.0	4.7	173.14	-17.3	110.4	180.9	164.1	16.82	10.759	
3,700.0	3,697.4	3,688.8	3,687.3	13.3	4.8	173.51	-18.9	115.3	193.1	175.8	17.22	11.214	
3,800.0	3,797.2	3,788.1	3,786.4	13.6	4.8	173.85	-20.5	120.3	205.2	187.6	17.62	11.647	
3,900.0	3,896.9	3,887.3	3,885.6	14.0	4.9	174.14	-22.1	125.2	217.3	199.3	18.02	12.058	
4,000.0	3,996.7	3,986.6	3,984.7	14.3	4.9	174.41	-23.7	130.1	229.5	211.0	18.43	12.449	
4,100.0	4,096.4	4,085.8	4,083.8	14.7	5.0	174.65	-25.4	135.1	241.6	222.8	18.85	12.821	
4,200.0	4,196.2	4,185.1	4,182.9	15.0	5.0	174.86	-27.0	140.0	253.8	234.5	19.26	13.175	
4,300.0	4,295.9	4,284.3	4,282.0	15.4	5.1	175.06	-28.6	145.0	265.9	246.2	19.68	13.512	
4,400.0	4,395.7	4,383.6	4,381.2	15.7	5.2	175.24	-30.2	149.9	278.1	258.0	20.10	13.833	
4,500.0	4,495.5	4,482.9	4,480.3	16.1	5.2	175.40	-31.8	154.8	290.2	269.7	20.53	14.139	
4,600.0	4,595.2	4,582.1	4,579.4	16.4	5.3	175.55	-33.4	159.8	302.4	281.4	20.95	14.432	
4,700.0	4,695.0	4,681.4	4,678.5	16.8	5.4	175.69	-35.0	164.7	314.6	293.2	21.38	14.710	
4,800.0	4,794.7	4,780.6	4,777.6	17.1	5.4	175.82	-36.6	169.7	326.7	304.9	21.82	14.976	
4,900.0	4,894.5	4,879.9	4,876.8	17.5	5.5	175.94	-38.2	174.6	338.9	316.6	22.25	15.230	
5,000.0	4,994.2	4,979.1	4,975.9	17.8	5.6	176.05	-39.8	179.5	351.1	328.4	22.69	15.474	
5,100.0	5,094.0	5,078.4	5,075.0	18.2	5.7	176.16	-41.4	184.5	363.2	340.1	23.13	15.706	
5,200.0	5,193.7	5,177.6	5,174.1	18.6	5.8	176.25	-43.0	189.4	375.4	351.8	23.57	15.929	
5,300.0	5,293.5	5,276.9	5,273.2	18.9	5.8	176.34	-44.6	194.4	387.6	363.6	24.01	16.142	
5,400.0	5,393.3	5,376.2	5,372.3	19.3	5.9	176.43	-46.2	199.3	399.7	375.3	24.46	16.346	
5,500.0	5,493.0	5,475.4	5,471.5	19.6	6.0	176.51	-47.8	204.2	411.9	387.0	24.90	16.542	
5,600.0	5,592.8	5,574.7	5,570.6	20.0	6.1	176.58	-49.4	209.2	424.1	398.7	25.35	16.730	
5,700.0	5,692.5	5,673.9	5,669.7	20.3	6.2	176.66	-51.0	214.1	436.3	410.5	25.80	16.910	
5,800.0	5,792.3	5,773.2	5,768.8	20.7	6.3	176.72	-52.7	219.1	448.4	422.2	26.25	17.083	
5,900.0	5,892.0	5,872.4	5,867.9	21.0	6.4	176.79	-54.3	224.0	460.6	433.9	26.70	17.250	
6,000.0	5,991.8	5,971.7	5,967.1	21.4	6.5	176.85	-55.9	228.9	472.8	445.6	27.16	17.410	
6,100.0	6,091.6	6,070.9	6,066.2	21.8	6.6	176.91	-57.5	233.9	485.0	457.4	27.61	17.564	
6,200.0	6,191.3	6,170.2	6,165.3	22.1	6.7	176.96	-59.1	238.8	497.1	469.1	28.07	17.712	
6,300.0	6,291.1	6,269.4	6,264.4	22.5	6.8	177.01	-60.7	243.8	509.3	480.8	28.53	17.855	
6,400.0	6,390.8	6,368.7	6,363.5	22.8	6.8	177.06	-62.3	248.7	521.5	492.5	28.98	17.993	
6,500.0	6,490.6	6,468.0	6,462.7	23.2	6.9	177.11	-63.9	253.6	533.7	504.2	29.44	18.125	
6,600.0	6,590.3	6,567.2	6,561.8	23.5	7.0	177.16	-65.5	258.6	545.9	516.0	29.90	18.253	
6,700.0	6,690.1	6,666.5	6,660.9	23.9	7.1	177.20	-67.1	263.5	558.0	527.7	30.37	18.377	
6,800.0	6,789.8	6,765.7	6,760.0	24.2	7.2	177.24	-68.7	268.5	570.2	539.4	30.83	18.496	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #704H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,900.0	6,889.6	6,865.0	6,859.1	24.6	7.4	177.28	-70.3	273.4	582.4	551.1	31.29	18.612	
7,000.0	6,989.4	6,964.2	6,958.2	25.0	7.5	177.32	-71.9	278.3	594.6	562.8	31.76	18.723	
7,100.0	7,089.1	7,063.5	7,057.4	25.3	7.6	177.36	-73.5	283.3	606.8	574.5	32.22	18.831	
7,200.0	7,188.9	7,162.7	7,156.5	25.7	7.7	177.39	-75.1	288.2	618.9	586.2	32.69	18.935	
7,300.0	7,288.6	7,262.0	7,255.6	26.0	7.8	177.42	-76.7	293.2	631.1	598.0	33.15	19.036	
7,400.0	7,388.4	7,361.2	7,354.7	26.4	7.9	177.46	-78.3	298.1	643.3	609.7	33.62	19.134	
7,500.0	7,488.1	7,460.5	7,453.8	26.8	8.0	177.49	-80.0	303.1	655.5	621.4	34.09	19.229	
7,600.0	7,587.9	7,559.8	7,553.0	27.1	8.1	177.52	-81.6	308.0	667.7	633.1	34.56	19.320	
7,700.0	7,687.7	7,659.0	7,652.1	27.5	8.2	177.55	-83.2	312.9	679.8	644.8	35.03	19.409	
7,800.0	7,787.4	7,758.3	7,751.2	27.8	8.3	177.58	-84.8	317.9	692.0	656.5	35.50	19.496	
7,900.0	7,887.2	7,857.5	7,850.3	28.2	8.4	177.60	-86.4	322.8	704.2	668.2	35.97	19.579	
8,000.0	7,986.9	7,956.8	7,949.4	28.5	8.5	177.63	-88.0	327.8	716.4	679.9	36.44	19.661	
8,100.0	8,086.7	8,056.0	8,048.5	28.9	8.6	177.65	-89.6	332.7	728.6	691.7	36.91	19.740	
8,200.0	8,186.4	8,155.3	8,147.7	29.3	8.7	177.68	-91.2	337.6	740.7	703.4	37.38	19.816	
8,300.0	8,286.2	8,254.5	8,246.8	29.6	8.9	177.70	-92.8	342.6	752.9	715.1	37.85	19.891	
8,400.0	8,386.0	8,353.8	8,345.9	30.0	9.0	177.73	-94.4	347.5	765.1	726.8	38.33	19.963	
8,500.0	8,485.7	8,453.0	8,445.0	30.3	9.1	177.75	-96.0	352.5	777.3	738.5	38.80	20.034	
8,600.0	8,585.5	8,552.3	8,544.1	30.7	9.2	177.77	-97.6	357.4	789.5	750.2	39.27	20.102	
8,665.1	8,650.4	8,616.9	8,608.7	30.9	9.3	177.78	-98.7	360.6	797.4	757.8	39.58	20.146	
8,700.0	8,685.2	8,651.5	8,643.2	31.1	9.3	-141.41	-99.2	362.3	801.7	762.0	39.75	20.170	
8,750.0	8,734.8	8,700.8	8,692.5	31.2	9.4	-118.05	-100.0	364.8	808.1	768.1	39.99	20.208	
8,800.0	8,783.7	8,731.4	8,723.0	31.4	9.4	-109.20	-100.8	366.4	815.2	775.1	40.13	20.316	
8,850.0	8,831.6	8,750.0	8,741.5	31.6	9.4	-104.40	-101.9	367.8	824.1	783.8	40.22	20.487	
8,900.0	8,878.1	8,779.9	8,771.1	31.7	9.4	-101.47	-104.9	370.4	834.5	794.1	40.36	20.678	
8,950.0	8,922.9	8,800.0	8,790.9	31.9	9.4	-99.09	-107.6	372.6	846.6	806.2	40.46	20.926	
9,000.0	8,965.6	8,826.2	8,816.5	32.0	9.4	-97.27	-112.2	375.8	860.3	819.7	40.58	21.198	
9,050.0	9,005.9	8,850.0	8,839.5	32.2	9.4	-95.60	-117.2	379.2	875.6	834.9	40.70	21.512	
9,100.0	9,043.5	8,869.9	8,858.6	32.3	9.4	-93.91	-122.1	382.4	892.3	851.5	40.81	21.866	
9,150.0	9,078.1	8,900.0	8,886.9	32.4	9.4	-92.63	-130.6	387.6	910.4	869.5	40.95	22.231	
9,200.0	9,109.4	8,900.0	8,886.9	32.6	9.4	-90.17	-130.6	387.6	929.8	888.8	40.98	22.692	
9,250.0	9,137.2	8,929.3	8,914.1	32.7	9.4	-88.89	-140.2	393.4	950.3	909.2	41.12	23.108	
9,300.0	9,161.3	8,950.0	8,932.8	32.8	9.4	-87.23	-147.7	397.8	972.0	930.7	41.23	23.572	
9,350.0	9,181.5	8,964.3	8,945.6	32.9	9.5	-85.23	-153.3	400.9	994.6	953.3	41.32	24.071	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	91.02	-0.5	29.9	29.9				
100.0	100.0	100.0	100.0	3.0	3.0	91.02	-0.5	29.9	29.9	23.9	6.00	4.982	
200.0	200.0	200.0	200.0	3.0	3.0	91.02	-0.5	29.9	29.9	23.9	6.04	4.951	
300.0	300.0	300.0	300.0	3.1	3.0	91.02	-0.5	29.9	29.9	23.8	6.12	4.886	
400.0	400.0	400.0	400.0	3.2	3.0	91.02	-0.5	29.9	29.9	23.7	6.24	4.792	
500.0	500.0	500.0	500.0	3.4	3.1	91.02	-0.5	29.9	29.9	23.5	6.40	4.675	
600.0	600.0	600.0	600.0	3.6	3.1	91.02	-0.5	29.9	29.9	23.3	6.58	4.542	
700.0	700.0	700.0	700.0	3.8	3.1	91.02	-0.5	29.9	29.9	23.1	6.80	4.399	
800.0	800.0	800.0	800.0	4.0	3.2	91.02	-0.5	29.9	29.9	22.9	7.04	4.250	
900.0	900.0	900.0	900.0	4.2	3.2	91.02	-0.5	29.9	29.9	22.6	7.29	4.100	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	91.02	-0.5	29.9	29.9	22.3	7.57	3.951	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	91.02	-0.5	29.9	29.9	22.0	7.86	3.806	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	91.02	-0.5	29.9	29.9	21.7	8.16	3.666	
1,300.0	1,300.0	1,300.0	1,300.0	5.3	3.4	91.02	-0.5	29.9	29.9	21.4	8.47	3.531	
1,400.0	1,400.0	1,400.0	1,400.0	5.6	3.5	91.02	-0.5	29.9	29.9	21.1	8.79	3.402	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	91.02	-0.5	29.9	29.9	20.8	9.12	3.280	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	91.02	-0.5	29.9	29.9	20.5	9.45	3.164	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	91.02	-0.5	29.9	29.9	20.1	9.79	3.053	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	91.02	-0.5	29.9	29.9	19.8	10.14	2.949	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	91.02	-0.5	29.9	29.9	19.4	10.49	2.850	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	91.02	-0.5	29.9	29.9	19.1	10.85	2.757	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	91.02	-0.5	29.9	29.9	18.7	11.21	2.668	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	91.02	-0.5	29.9	29.9	18.3	11.57	2.585	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	91.02	-0.5	29.9	29.9	18.0	11.94	2.505	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	91.02	-0.5	29.9	29.9	17.6	12.31	2.430	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	91.02	-0.5	29.9	29.9	17.2	12.68	2.359	CC, ES, SF
2,600.0	2,600.0	2,600.0	2,600.0	9.6	4.5	162.04	-0.5	29.9	31.6	18.5	13.05	2.419	
2,700.0	2,699.9	2,699.9	2,699.9	9.9	4.6	164.54	-0.5	29.9	36.6	23.2	13.42	2.725	
2,800.0	2,799.6	2,799.6	2,799.6	10.2	4.7	167.00	-0.5	29.9	43.3	29.5	13.80	3.140	
2,900.0	2,899.4	2,899.4	2,899.4	10.6	4.8	168.79	-0.5	29.9	50.2	36.0	14.18	3.536	
3,000.0	2,999.1	2,999.1	2,999.1	10.9	4.9	170.15	-0.5	29.9	57.0	42.4	14.57	3.913	
3,100.0	3,098.9	3,098.9	3,098.9	11.2	5.0	171.22	-0.5	29.9	63.9	48.9	14.96	4.272	
3,200.0	3,198.6	3,198.6	3,198.6	11.6	5.1	172.08	-0.5	29.9	70.8	55.5	15.35	4.612	
3,300.0	3,298.4	3,298.4	3,298.4	11.9	5.2	172.79	-0.5	29.9	77.7	62.0	15.74	4.937	
3,400.0	3,398.1	3,398.1	3,398.1	12.3	5.3	173.39	-0.5	29.9	84.7	68.5	16.14	5.245	
3,500.0	3,497.9	3,497.9	3,497.9	12.6	5.4	173.89	-0.5	29.9	91.6	75.0	16.54	5.538	
3,600.0	3,597.6	3,597.6	3,597.6	13.0	5.5	174.32	-0.5	29.9	98.5	81.6	16.94	5.818	
3,700.0	3,697.4	3,697.4	3,697.4	13.3	5.7	174.70	-0.5	29.9	105.5	88.1	17.34	6.084	
3,800.0	3,797.2	3,797.2	3,797.2	13.6	5.8	175.02	-0.5	29.9	112.4	94.7	17.74	6.338	
3,900.0	3,896.9	3,896.9	3,896.9	14.0	5.9	175.31	-0.5	29.9	119.4	101.2	18.14	6.580	
4,000.0	3,996.7	3,996.7	3,996.7	14.3	6.0	175.57	-0.5	29.9	126.3	107.8	18.54	6.812	
4,100.0	4,096.4	4,096.4	4,096.4	14.7	6.1	175.80	-0.5	29.9	133.3	114.3	18.95	7.033	
4,200.0	4,196.2	4,196.2	4,196.2	15.0	6.2	176.01	-0.5	29.9	140.2	120.9	19.36	7.245	
4,300.0	4,295.9	4,295.9	4,295.9	15.4	6.3	176.20	-0.5	29.9	147.2	127.4	19.76	7.447	
4,400.0	4,395.7	4,395.7	4,395.7	15.7	6.4	176.37	-0.5	29.9	154.2	134.0	20.17	7.641	
4,500.0	4,495.5	4,495.5	4,495.5	16.1	6.6	176.53	-0.5	29.9	161.1	140.5	20.58	7.827	
4,600.0	4,595.2	4,595.2	4,595.2	16.4	6.7	176.67	-0.5	29.9	168.1	147.1	21.00	8.006	
4,700.0	4,695.0	4,695.0	4,695.0	16.8	6.8	176.81	-0.5	29.9	175.1	153.6	21.41	8.177	
4,800.0	4,794.7	4,794.7	4,794.7	17.1	6.9	176.93	-0.5	29.9	182.0	160.2	21.82	8.341	
4,900.0	4,894.5	4,894.5	4,894.5	17.5	7.0	177.04	-0.5	29.9	189.0	166.7	22.24	8.499	
5,000.0	4,994.2	4,994.2	4,994.2	17.8	7.2	177.15	-0.5	29.9	195.9	173.3	22.65	8.651	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,100.0	5,094.0	5,094.0	5,094.0	18.2	7.3	177.25	-0.5	29.9	202.9	179.9	23.07	8.797	
5,200.0	5,193.7	5,193.7	5,193.7	18.6	7.4	177.34	-0.5	29.9	209.9	186.4	23.48	8.938	
5,300.0	5,293.5	5,293.5	5,293.5	18.9	7.5	177.42	-0.5	29.9	216.9	193.0	23.90	9.073	
5,400.0	5,393.3	5,393.3	5,393.3	19.3	7.6	177.50	-0.5	29.9	223.8	199.5	24.32	9.204	
5,500.0	5,493.0	5,493.0	5,493.0	19.6	7.8	177.58	-0.5	29.9	230.8	206.1	24.74	9.330	
5,600.0	5,592.8	5,590.5	5,590.4	20.0	7.8	177.98	-2.0	29.9	238.2	213.1	25.15	9.472	
5,700.0	5,692.5	5,687.4	5,687.3	20.3	7.8	179.07	-6.7	29.9	246.7	221.2	25.57	9.647	
5,800.0	5,792.3	5,786.8	5,786.4	20.7	7.7	-179.52	-13.1	29.9	255.9	229.9	26.02	9.836	
5,900.0	5,892.0	5,886.2	5,885.6	21.0	7.7	-178.22	-19.6	29.9	265.2	238.8	26.45	10.026	
6,000.0	5,991.8	5,985.6	5,984.8	21.4	7.6	-177.00	-26.1	29.9	274.7	247.8	26.89	10.215	
6,100.0	6,091.6	6,085.0	6,084.0	21.8	7.6	-175.87	-32.6	29.9	284.2	256.9	27.32	10.404	
6,200.0	6,191.3	6,184.3	6,183.1	22.1	7.5	-174.81	-39.1	29.9	293.9	266.2	27.75	10.593	
6,300.0	6,291.1	6,283.7	6,282.3	22.5	7.5	-173.81	-45.5	29.9	303.7	275.5	28.17	10.781	
6,400.0	6,390.8	6,383.1	6,381.5	22.8	7.5	-172.88	-52.0	29.9	313.5	284.9	28.59	10.967	
6,500.0	6,490.6	6,482.5	6,480.7	23.2	7.4	-172.01	-58.5	29.9	323.4	294.4	29.01	11.151	
6,600.0	6,590.3	6,581.9	6,579.9	23.5	7.4	-171.19	-65.0	29.9	333.4	304.0	29.42	11.333	
6,700.0	6,690.1	6,681.3	6,679.0	23.9	7.4	-170.41	-71.4	29.9	343.5	313.7	29.83	11.514	
6,800.0	6,789.8	6,780.7	6,778.2	24.2	7.4	-169.68	-77.9	29.9	353.6	323.4	30.24	11.692	
6,900.0	6,889.6	6,880.1	6,877.4	24.6	7.3	-168.99	-84.4	29.9	363.8	333.1	30.65	11.867	
7,000.0	6,989.4	6,979.4	6,976.6	25.0	7.3	-168.34	-90.9	29.9	374.0	342.9	31.06	12.041	
7,100.0	7,089.1	7,078.8	7,075.7	25.3	7.3	-167.72	-97.4	29.9	384.3	352.8	31.47	12.211	
7,200.0	7,188.9	7,178.2	7,174.9	25.7	7.3	-167.14	-103.8	29.9	394.6	362.7	31.87	12.379	
7,300.0	7,288.6	7,277.6	7,274.1	26.0	7.3	-166.58	-110.3	29.9	404.9	372.6	32.28	12.544	
7,400.0	7,388.4	7,377.0	7,373.3	26.4	7.3	-166.06	-116.8	29.9	415.3	382.6	32.68	12.706	
7,500.0	7,488.1	7,476.4	7,472.5	26.8	7.2	-165.55	-123.3	29.9	425.7	392.6	33.09	12.866	
7,600.0	7,587.9	7,575.8	7,571.6	27.1	7.2	-165.08	-129.8	29.9	436.1	402.7	33.49	13.022	
7,700.0	7,687.7	7,675.2	7,670.8	27.5	7.2	-164.62	-136.2	29.9	446.6	412.7	33.90	13.176	
7,800.0	7,787.4	7,774.6	7,770.0	27.8	7.2	-164.19	-142.7	29.9	457.1	422.8	34.30	13.327	
7,900.0	7,887.2	7,873.9	7,869.2	28.2	7.2	-163.77	-149.2	29.9	467.6	432.9	34.71	13.475	
8,000.0	7,986.9	7,973.3	7,968.3	28.5	7.2	-163.37	-155.7	29.9	478.2	443.1	35.11	13.620	
8,100.0	8,086.7	8,072.7	8,067.5	28.9	7.2	-162.99	-162.2	29.9	488.8	453.2	35.52	13.762	
8,200.0	8,186.4	8,172.1	8,166.7	29.3	7.2	-162.63	-168.6	29.9	499.4	463.4	35.92	13.901	
8,300.0	8,286.2	8,271.5	8,265.9	29.6	7.2	-162.28	-175.1	29.9	510.0	473.6	36.33	14.038	
8,400.0	8,386.0	8,370.9	8,365.0	30.0	7.3	-161.95	-181.6	29.9	520.6	483.9	36.73	14.172	
8,500.0	8,485.7	8,470.3	8,464.2	30.3	7.3	-161.63	-188.1	29.9	531.2	494.1	37.14	14.303	
8,600.0	8,585.5	8,569.7	8,563.4	30.7	7.3	-161.32	-194.6	29.9	541.9	504.3	37.55	14.431	
8,665.1	8,650.4	8,634.4	8,628.0	30.9	7.3	-161.12	-198.8	29.9	548.8	511.0	37.82	14.514	
8,700.0	8,685.2	8,669.1	8,662.6	31.1	7.3	-120.36	-201.0	29.9	552.3	514.3	37.96	14.550	
8,750.0	8,734.8	8,712.0	8,705.4	31.2	7.3	-97.21	-203.8	29.9	556.1	517.9	38.13	14.584	
8,800.0	8,783.7	8,750.0	8,743.2	31.4	7.5	-88.86	-207.6	29.9	559.6	521.3	38.26	14.628	
8,850.0	8,831.6	8,777.8	8,770.7	31.6	7.5	-84.76	-211.9	29.9	563.5	525.2	38.31	14.708	
8,900.0	8,878.1	8,800.0	8,792.5	31.7	7.5	-82.33	-216.3	29.9	568.0	529.6	38.35	14.810	
8,950.0	8,922.9	8,839.0	8,830.2	31.9	7.6	-81.22	-226.0	30.0	572.7	534.2	38.48	14.884	
9,000.0	8,965.6	8,869.4	8,859.1	32.0	7.6	-80.46	-235.4	30.0	578.0	539.4	38.57	14.985	
9,050.0	9,005.9	8,900.0	8,887.7	32.2	7.6	-80.06	-246.4	30.0	583.9	545.2	38.68	15.096	
9,100.0	9,043.5	8,930.1	8,915.2	32.3	7.6	-79.88	-258.6	30.1	590.3	551.5	38.79	15.217	
9,150.0	9,078.1	8,960.3	8,942.1	32.4	7.7	-79.87	-272.4	30.2	597.3	558.4	38.91	15.351	
9,200.0	9,109.4	8,990.5	8,968.2	32.6	7.7	-79.99	-287.5	30.2	605.0	565.9	39.04	15.497	
9,250.0	9,137.2	9,020.7	8,993.5	32.7	7.8	-80.18	-304.0	30.3	613.4	574.2	39.18	15.656	
9,300.0	9,161.3	9,050.0	9,017.2	32.8	7.8	-80.39	-321.3	30.4	622.5	583.2	39.32	15.832	
9,350.0	9,181.5	9,081.2	9,041.4	32.9	7.9	-80.73	-340.9	30.5	632.3	592.9	39.47	16.021	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,400.0	9,197.7	9,111.6	9,063.9	33.0	7.9	-81.04	-361.3	30.6	643.0	603.4	39.62	16.228	
9,450.0	9,209.7	9,142.1	9,085.4	33.1	8.0	-81.36	-383.0	30.7	654.5	614.7	39.78	16.453	
9,500.0	9,217.4	9,172.8	9,105.8	33.2	8.0	-81.68	-405.9	30.8	666.7	626.8	39.94	16.695	
9,550.0	9,220.8	9,200.0	9,122.9	33.3	8.1	-81.79	-427.1	30.9	679.8	639.8	40.08	16.964	
9,564.1	9,221.0	9,212.7	9,130.5	33.3	8.1	-82.09	-437.3	30.9	683.7	643.5	40.14	17.033	
9,600.0	9,221.0	9,235.9	9,143.8	33.4	8.2	-83.33	-456.3	31.0	693.7	653.4	40.26	17.232	
9,700.0	9,221.0	9,308.4	9,180.3	33.5	8.3	-86.62	-518.8	31.3	723.0	682.4	40.64	17.789	
9,800.0	9,221.0	9,392.4	9,212.3	33.7	8.4	-89.31	-596.4	31.7	752.4	711.3	41.13	18.293	
9,900.0	9,221.0	9,486.2	9,234.2	33.9	8.6	-91.01	-687.6	32.1	780.0	738.3	41.73	18.691	
10,000.0	9,221.0	9,585.6	9,241.0	34.1	8.8	-91.46	-786.6	32.6	804.3	761.9	42.40	18.969	
10,100.0	9,221.0	9,683.5	9,241.0	34.3	9.3	-91.42	-884.4	33.1	825.0	781.9	43.11	19.134	
10,200.0	9,221.0	9,782.0	9,241.0	34.6	9.9	-91.38	-982.9	33.5	842.3	798.4	43.90	19.188	
10,300.0	9,221.0	9,881.0	9,241.0	34.8	10.5	-91.35	-1,082.0	34.0	856.1	811.4	44.74	19.136	
10,400.0	9,221.0	9,980.4	9,241.0	35.1	11.2	-91.33	-1,181.4	34.5	866.5	820.9	45.63	18.989	
10,500.0	9,221.0	10,080.2	9,241.0	35.3	11.9	-91.32	-1,281.2	35.0	873.4	826.8	46.57	18.755	
10,600.0	9,221.0	10,180.1	9,241.0	35.6	12.6	-91.31	-1,381.1	35.5	876.8	829.3	47.55	18.440	
10,648.3	9,221.0	10,228.4	9,241.0	35.8	12.9	-91.31	-1,429.4	35.7	877.2	829.2	48.04	18.262	
10,700.0	9,221.0	10,280.1	9,241.0	35.9	13.3	-91.31	-1,481.1	36.0	877.2	828.7	48.56	18.063	
10,800.0	9,221.0	10,380.1	9,241.0	36.2	14.0	-91.31	-1,581.1	36.5	877.2	827.6	49.61	17.681	
10,900.0	9,221.0	10,480.1	9,241.0	36.5	14.8	-91.31	-1,681.1	36.9	877.2	826.5	50.70	17.303	
11,000.0	9,221.0	10,580.1	9,241.0	36.9	15.6	-91.31	-1,781.1	37.4	877.2	825.4	51.81	16.932	
11,100.0	9,221.0	10,680.1	9,241.0	37.2	16.3	-91.31	-1,881.1	37.9	877.2	824.3	52.94	16.568	
11,200.0	9,221.0	10,780.1	9,241.0	37.6	17.1	-91.31	-1,981.1	38.4	877.2	823.1	54.11	16.212	
11,300.0	9,221.0	10,880.1	9,241.0	38.0	17.9	-91.31	-2,081.1	38.9	877.2	821.9	55.29	15.865	
11,400.0	9,221.0	10,980.1	9,241.0	38.4	18.7	-91.31	-2,181.1	39.4	877.2	820.7	56.50	15.525	
11,500.0	9,221.0	11,080.1	9,241.0	38.8	19.5	-91.31	-2,281.1	39.9	877.2	819.4	57.73	15.195	
11,600.0	9,221.0	11,180.1	9,241.0	39.2	20.3	-91.31	-2,381.1	40.4	877.2	818.2	58.97	14.874	
11,700.0	9,221.0	11,280.1	9,241.0	39.7	21.1	-91.31	-2,481.1	40.9	877.2	816.9	60.24	14.561	
11,800.0	9,221.0	11,380.1	9,241.0	40.2	21.9	-91.31	-2,581.1	41.3	877.2	815.6	61.52	14.257	
11,900.0	9,221.0	11,480.1	9,241.0	40.6	22.7	-91.31	-2,681.1	41.8	877.1	814.3	62.82	13.962	
12,000.0	9,221.0	11,580.1	9,241.0	41.1	23.6	-91.31	-2,781.1	42.3	877.1	813.0	64.14	13.676	
12,100.0	9,221.0	11,680.1	9,241.0	41.6	24.4	-91.31	-2,881.1	42.8	877.1	811.7	65.47	13.398	
12,200.0	9,221.0	11,780.1	9,241.0	42.1	25.2	-91.31	-2,981.1	43.3	877.1	810.3	66.81	13.128	
12,300.0	9,221.0	11,880.1	9,241.0	42.6	26.0	-91.31	-3,081.1	43.8	877.1	808.9	68.17	12.867	
12,400.0	9,221.0	11,980.1	9,241.0	43.2	26.9	-91.31	-3,181.1	44.3	877.1	807.6	69.54	12.613	
12,500.0	9,221.0	12,080.1	9,241.0	43.7	27.7	-91.31	-3,281.1	44.8	877.1	806.2	70.92	12.367	
12,600.0	9,221.0	12,180.1	9,241.0	44.3	28.5	-91.31	-3,381.1	45.3	877.1	804.8	72.32	12.128	
12,700.0	9,221.0	12,280.1	9,241.0	44.8	29.4	-91.31	-3,481.1	45.7	877.1	803.4	73.72	11.897	
12,800.0	9,221.0	12,380.1	9,241.0	45.4	30.2	-91.31	-3,581.1	46.2	877.1	801.9	75.14	11.672	
12,900.0	9,221.0	12,480.1	9,241.0	46.0	31.1	-91.31	-3,681.1	46.7	877.1	800.5	76.57	11.455	
13,000.0	9,221.0	12,580.1	9,241.0	46.6	31.9	-91.31	-3,781.1	47.2	877.1	799.1	78.01	11.244	
13,100.0	9,221.0	12,680.1	9,241.0	47.2	32.7	-91.31	-3,881.1	47.7	877.1	797.6	79.45	11.039	
13,200.0	9,221.0	12,780.1	9,241.0	47.8	33.6	-91.31	-3,981.1	48.2	877.1	796.1	80.91	10.840	
13,300.0	9,221.0	12,880.1	9,241.0	48.4	34.4	-91.31	-4,081.1	48.7	877.0	794.7	82.37	10.648	
13,400.0	9,221.0	12,980.1	9,241.0	49.0	35.3	-91.31	-4,181.1	49.2	877.0	793.2	83.84	10.461	
13,500.0	9,221.0	13,080.1	9,241.0	49.6	36.1	-91.31	-4,281.1	49.7	877.0	791.7	85.32	10.279	
13,600.0	9,221.0	13,180.1	9,241.0	50.3	37.0	-91.31	-4,381.1	50.1	877.0	790.2	86.81	10.103	
13,700.0	9,221.0	13,280.1	9,241.0	50.9	37.8	-91.31	-4,481.1	50.6	877.0	788.7	88.30	9.932	
13,800.0	9,221.0	13,380.1	9,241.0	51.6	38.6	-91.31	-4,581.1	51.1	877.0	787.2	89.80	9.766	
13,900.0	9,221.0	13,480.1	9,241.0	52.2	39.5	-91.31	-4,681.1	51.6	877.0	785.7	91.31	9.604	
14,000.0	9,221.0	13,580.1	9,241.0	52.9	40.3	-91.31	-4,781.1	52.1	877.0	784.2	92.83	9.448	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2 — **Offset Site Error:** 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
14,100.0	9,221.0	13,680.1	9,241.0	53.5	41.2	-91.31	-4,881.1	52.6	877.0	782.6	94.35	9.295	
14,200.0	9,221.0	13,780.1	9,241.0	54.2	42.0	-91.31	-4,981.0	53.1	877.0	781.1	95.87	9.147	
14,300.0	9,221.0	13,880.1	9,241.0	54.9	42.9	-91.31	-5,081.0	53.6	877.0	779.6	97.41	9.003	
14,400.0	9,221.0	13,980.1	9,241.0	55.6	43.7	-91.31	-5,181.0	54.0	877.0	778.0	98.94	8.863	
14,500.0	9,221.0	14,080.1	9,241.0	56.2	44.6	-91.31	-5,281.0	54.5	877.0	776.5	100.49	8.727	
14,600.0	9,221.0	14,180.1	9,241.0	56.9	45.4	-91.31	-5,381.0	55.0	877.0	774.9	102.04	8.595	
14,700.0	9,221.0	14,280.1	9,241.0	57.6	46.3	-91.31	-5,481.0	55.5	876.9	773.4	103.59	8.466	
14,800.0	9,221.0	14,380.1	9,241.0	58.3	47.1	-91.31	-5,581.0	56.0	876.9	771.8	105.15	8.340	
14,900.0	9,221.0	14,480.1	9,241.0	59.0	48.0	-91.31	-5,681.0	56.5	876.9	770.2	106.71	8.218	
15,000.0	9,221.0	14,580.1	9,241.0	59.7	48.8	-91.31	-5,781.0	57.0	876.9	768.7	108.27	8.099	
15,100.0	9,221.0	14,680.1	9,241.0	60.5	49.7	-91.31	-5,881.0	57.5	876.9	767.1	109.84	7.983	
15,200.0	9,221.0	14,780.1	9,241.0	61.2	50.5	-91.31	-5,981.0	58.0	876.9	765.5	111.42	7.870	
15,300.0	9,221.0	14,880.1	9,241.0	61.9	51.4	-91.31	-6,081.0	58.4	876.9	763.9	113.00	7.760	
15,400.0	9,221.0	14,980.1	9,241.0	62.6	52.3	-91.31	-6,181.0	58.9	876.9	762.3	114.58	7.653	
15,500.0	9,221.0	15,080.1	9,241.0	63.3	53.1	-91.31	-6,281.0	59.4	876.9	760.7	116.17	7.549	
15,600.0	9,221.0	15,180.1	9,241.0	64.1	54.0	-91.31	-6,381.0	59.9	876.9	759.1	117.75	7.447	
15,700.0	9,221.0	15,280.1	9,241.0	64.8	54.8	-91.31	-6,481.0	60.4	876.9	757.5	119.35	7.347	
15,800.0	9,221.0	15,380.1	9,241.0	65.6	55.7	-91.31	-6,581.0	60.9	876.9	755.9	120.94	7.250	
15,900.0	9,221.0	15,480.1	9,241.0	66.3	56.5	-91.31	-6,681.0	61.4	876.9	754.3	122.54	7.156	
16,000.0	9,221.0	15,580.1	9,241.0	67.0	57.4	-91.31	-6,781.0	61.9	876.9	752.7	124.14	7.063	
16,100.0	9,221.0	15,680.1	9,241.0	67.8	58.2	-91.31	-6,881.0	62.4	876.9	751.1	125.75	6.973	
16,200.0	9,221.0	15,780.1	9,241.0	68.5	59.1	-91.31	-6,981.0	62.8	876.8	749.5	127.36	6.885	
16,300.0	9,221.0	15,880.1	9,241.0	69.3	59.9	-91.31	-7,081.0	63.3	876.8	747.9	128.97	6.799	
16,400.0	9,221.0	15,980.1	9,241.0	70.0	60.8	-91.31	-7,181.0	63.8	876.8	746.3	130.58	6.715	
16,500.0	9,221.0	16,080.1	9,241.0	70.8	61.7	-91.31	-7,281.0	64.3	876.8	744.6	132.19	6.633	
16,600.0	9,221.0	16,180.1	9,241.0	71.5	62.5	-91.31	-7,381.0	64.8	876.8	743.0	133.81	6.553	
16,700.0	9,221.0	16,280.1	9,241.0	72.3	63.4	-91.31	-7,481.0	65.3	876.8	741.4	135.43	6.474	
16,800.0	9,221.0	16,380.1	9,241.0	73.1	64.2	-91.31	-7,581.0	65.8	876.8	739.7	137.05	6.397	
16,900.0	9,221.0	16,480.1	9,241.0	73.8	65.1	-91.31	-7,681.0	66.3	876.8	738.1	138.68	6.322	
17,000.0	9,221.0	16,580.1	9,241.0	74.6	65.9	-91.31	-7,781.0	66.8	876.8	736.5	140.31	6.249	
17,100.0	9,221.0	16,680.1	9,241.0	75.4	66.8	-91.31	-7,881.0	67.2	876.8	734.8	141.94	6.177	
17,200.0	9,221.0	16,780.1	9,241.0	76.1	67.6	-91.31	-7,981.0	67.7	876.8	733.2	143.57	6.107	
17,300.0	9,221.0	16,880.1	9,241.0	76.9	68.5	-91.31	-8,081.0	68.2	876.8	731.6	145.20	6.038	
17,400.0	9,221.0	16,980.1	9,241.0	77.7	69.4	-91.31	-8,181.0	68.7	876.8	729.9	146.83	5.971	
17,500.0	9,221.0	17,080.1	9,241.0	78.5	70.2	-91.31	-8,281.0	69.2	876.8	728.3	148.47	5.905	
17,600.0	9,221.0	17,180.1	9,241.0	79.2	71.1	-91.31	-8,381.0	69.7	876.7	726.6	150.11	5.841	
17,700.0	9,221.0	17,280.1	9,241.0	80.0	71.9	-91.31	-8,481.0	70.2	876.7	725.0	151.75	5.778	
17,800.0	9,221.0	17,380.1	9,241.0	80.8	72.8	-91.31	-8,581.0	70.7	876.7	723.3	153.39	5.716	
17,900.0	9,221.0	17,480.1	9,241.0	81.6	73.6	-91.31	-8,681.0	71.1	876.7	721.7	155.04	5.655	
18,000.0	9,221.0	17,580.1	9,241.0	82.4	74.5	-91.31	-8,781.0	71.6	876.7	720.0	156.68	5.596	
18,100.0	9,221.0	17,680.1	9,241.0	83.2	75.4	-91.31	-8,881.0	72.1	876.7	718.4	158.33	5.537	
18,200.0	9,221.0	17,780.1	9,241.0	84.0	76.2	-91.31	-8,981.0	72.6	876.7	716.7	159.98	5.480	
18,300.0	9,221.0	17,880.1	9,241.0	84.7	77.1	-91.31	-9,081.0	73.1	876.7	715.1	161.63	5.424	
18,400.0	9,221.0	17,980.1	9,241.0	85.5	77.9	-91.31	-9,181.0	73.6	876.7	713.4	163.28	5.369	
18,500.0	9,221.0	18,080.1	9,241.0	86.3	78.8	-91.31	-9,281.0	74.1	876.7	711.8	164.93	5.316	
18,600.0	9,221.0	18,180.1	9,241.0	87.1	79.6	-91.31	-9,381.0	74.6	876.7	710.1	166.58	5.263	
18,700.0	9,221.0	18,280.1	9,241.0	87.9	80.5	-91.31	-9,481.0	75.1	876.7	708.4	168.24	5.211	
18,800.0	9,221.0	18,380.1	9,241.0	88.7	81.4	-91.31	-9,581.0	75.5	876.7	706.8	169.89	5.160	
18,900.0	9,221.0	18,480.1	9,241.0	89.5	82.2	-91.31	-9,681.0	76.0	876.7	705.1	171.55	5.110	
19,000.0	9,221.0	18,580.1	9,241.0	90.3	83.1	-91.31	-9,781.0	76.5	876.7	703.4	173.21	5.061	
19,100.0	9,221.0	18,680.1	9,241.0	91.1	83.9	-91.31	-9,881.0	77.0	876.6	701.8	174.87	5.013	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,200.0	9,221.0	18,780.1	9,241.0	91.9	84.8	-91.31	-9,981.0	77.5	876.6	700.1	176.53	4.966	
19,300.0	9,221.0	18,880.1	9,241.0	92.7	85.7	-91.31	-10,081.0	78.0	876.6	698.4	178.19	4.920	
19,400.0	9,221.0	18,980.1	9,241.0	93.5	86.5	-91.31	-10,181.0	78.5	876.6	696.8	179.86	4.874	
19,500.0	9,221.0	19,080.1	9,241.0	94.3	87.4	-91.31	-10,281.0	79.0	876.6	695.1	181.52	4.829	
19,600.0	9,221.0	19,180.1	9,241.0	95.1	88.2	-91.31	-10,381.0	79.5	876.6	693.4	183.19	4.785	
19,700.0	9,221.0	19,280.1	9,241.0	95.9	89.1	-91.31	-10,481.0	79.9	876.6	691.7	184.85	4.742	
19,800.0	9,221.0	19,380.1	9,241.0	96.7	89.9	-91.31	-10,581.0	80.4	876.6	690.1	186.52	4.700	
19,900.0	9,221.0	19,480.1	9,241.0	97.5	90.8	-91.31	-10,681.0	80.9	876.6	688.4	188.19	4.658	
20,000.0	9,221.0	19,580.1	9,241.0	98.3	91.7	-91.31	-10,781.0	81.4	876.6	686.7	189.86	4.617	
20,100.0	9,221.0	19,680.1	9,241.0	99.2	92.5	-91.31	-10,881.0	81.9	876.6	685.0	191.53	4.577	
20,200.0	9,221.0	19,780.1	9,241.0	100.0	93.4	-91.31	-10,981.0	82.4	876.6	683.4	193.20	4.537	
20,300.0	9,221.0	19,880.1	9,241.0	100.8	94.2	-91.31	-11,081.0	82.9	876.6	681.7	194.87	4.498	
20,400.0	9,221.0	19,980.1	9,241.0	101.6	95.1	-91.31	-11,181.0	83.4	876.6	680.0	196.55	4.460	
20,500.0	9,221.0	20,080.1	9,241.0	102.4	96.0	-91.31	-11,281.0	83.9	876.5	678.3	198.22	4.422	
20,600.0	9,221.0	20,180.1	9,241.0	103.2	96.8	-91.31	-11,381.0	84.3	876.5	676.6	199.89	4.385	
20,700.0	9,221.0	20,280.1	9,241.0	104.0	97.7	-91.31	-11,481.0	84.8	876.5	675.0	201.57	4.349	
20,800.0	9,221.0	20,380.1	9,241.0	104.8	98.5	-91.31	-11,581.0	85.3	876.5	673.3	203.24	4.313	
20,900.0	9,221.0	20,480.1	9,241.0	105.7	99.4	-91.31	-11,681.0	85.8	876.5	671.6	204.92	4.277	
21,000.0	9,221.0	20,580.1	9,241.0	106.5	100.3	-91.31	-11,781.0	86.3	876.5	669.9	206.60	4.243	
21,100.0	9,221.0	20,680.1	9,241.0	107.3	101.1	-91.31	-11,881.0	86.8	876.5	668.2	208.28	4.208	
21,200.0	9,221.0	20,780.1	9,241.0	108.1	102.0	-91.31	-11,981.0	87.3	876.5	666.5	209.95	4.175	
21,300.0	9,221.0	20,880.1	9,241.0	108.9	102.8	-91.31	-12,081.0	87.8	876.5	664.9	211.63	4.142	
21,400.0	9,221.0	20,980.1	9,241.0	109.8	103.7	-91.31	-12,181.0	88.3	876.5	663.2	213.31	4.109	
21,500.0	9,221.0	21,080.1	9,241.0	110.6	104.6	-91.31	-12,281.0	88.7	876.5	661.5	214.99	4.077	
21,600.0	9,221.0	21,180.1	9,241.0	111.4	105.4	-91.31	-12,381.0	89.2	876.5	659.8	216.68	4.045	
21,700.0	9,221.0	21,280.1	9,241.0	112.2	106.3	-91.31	-12,481.0	89.7	876.5	658.1	218.36	4.014	
21,800.0	9,221.0	21,380.1	9,241.0	113.0	107.1	-91.31	-12,581.0	90.2	876.5	656.4	220.04	3.983	
21,900.0	9,221.0	21,480.1	9,241.0	113.9	108.0	-91.31	-12,681.0	90.7	876.5	654.7	221.72	3.953	
22,000.0	9,221.0	21,580.1	9,241.0	114.7	108.8	-91.31	-12,781.0	91.2	876.4	653.0	223.41	3.923	
22,100.0	9,221.0	21,680.1	9,241.0	115.5	109.7	-91.31	-12,881.0	91.7	876.4	651.3	225.09	3.894	
22,200.0	9,221.0	21,780.1	9,241.0	116.3	110.6	-91.31	-12,981.0	92.2	876.4	649.7	226.78	3.865	
22,300.0	9,221.0	21,880.1	9,241.0	117.2	111.4	-91.31	-13,081.0	92.6	876.4	648.0	228.46	3.836	
22,400.0	9,221.0	21,980.1	9,241.0	118.0	112.3	-91.31	-13,181.0	93.1	876.4	646.3	230.15	3.808	
22,500.0	9,221.0	22,080.1	9,241.0	118.8	113.1	-91.31	-13,281.0	93.6	876.4	644.6	231.83	3.780	
22,600.0	9,221.0	22,180.1	9,241.0	119.6	114.0	-91.31	-13,380.9	94.1	876.4	642.9	233.52	3.753	
22,700.0	9,221.0	22,280.1	9,241.0	120.5	114.9	-91.31	-13,480.9	94.6	876.4	641.2	235.21	3.726	
22,800.0	9,221.0	22,380.1	9,241.0	121.3	115.7	-91.31	-13,580.9	95.1	876.4	639.5	236.90	3.699	
22,900.0	9,221.0	22,480.1	9,241.0	122.1	116.6	-91.31	-13,680.9	95.6	876.4	637.8	238.59	3.673	
23,000.0	9,221.0	22,580.1	9,241.0	122.9	117.4	-91.31	-13,780.9	96.1	876.4	636.1	240.27	3.647	
23,100.0	9,221.0	22,680.1	9,241.0	123.8	118.3	-91.31	-13,880.9	96.6	876.4	634.4	241.96	3.622	
23,200.0	9,221.0	22,780.1	9,241.0	124.6	119.2	-91.31	-13,980.9	97.0	876.4	632.7	243.65	3.597	
23,300.0	9,221.0	22,880.1	9,241.0	125.4	120.0	-91.31	-14,080.9	97.5	876.4	631.0	245.34	3.572	
23,400.0	9,221.0	22,980.1	9,241.0	126.3	120.9	-91.31	-14,180.9	98.0	876.3	629.3	247.03	3.547	
23,500.0	9,221.0	23,080.1	9,241.0	127.1	121.7	-91.31	-14,280.9	98.5	876.3	627.6	248.73	3.523	
23,600.0	9,221.0	23,180.1	9,241.0	127.9	122.6	-91.31	-14,380.9	99.0	876.3	625.9	250.42	3.499	
23,700.0	9,221.0	23,280.1	9,241.0	128.8	123.5	-91.31	-14,480.9	99.5	876.3	624.2	252.11	3.476	
23,800.0	9,221.0	23,380.1	9,241.0	129.6	124.3	-91.31	-14,580.9	100.0	876.3	622.5	253.80	3.453	
23,900.0	9,221.0	23,480.1	9,241.0	130.4	125.2	-91.31	-14,680.9	100.5	876.3	620.8	255.49	3.430	
24,000.0	9,221.0	23,580.1	9,241.0	131.2	126.0	-91.31	-14,780.9	101.0	876.3	619.1	257.19	3.407	
24,100.0	9,221.0	23,680.1	9,241.0	132.1	126.9	-91.31	-14,880.9	101.4	876.3	617.4	258.88	3.385	
24,200.0	9,221.0	23,780.1	9,241.0	132.9	127.8	-91.31	-14,980.9	101.9	876.3	615.7	260.57	3.363	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #705H - OWB - PWP2

Offset Site Error: 0.0 usft

Survey Program: 0-Standard Keeper 104, 8712-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
24,300.0	9,221.0	23,880.1	9,241.0	133.7	128.6	-91.31	-15,080.9	102.4	876.3	614.0	262.27	3.341	
24,400.0	9,221.0	23,980.1	9,241.0	134.6	129.5	-91.31	-15,180.9	102.9	876.3	612.3	263.96	3.320	
24,500.0	9,221.0	24,080.1	9,241.0	135.4	130.3	-91.31	-15,280.9	103.4	876.3	610.6	265.66	3.298	
24,600.0	9,221.0	24,180.1	9,241.0	136.2	131.2	-91.31	-15,380.9	103.9	876.3	608.9	267.35	3.278	
24,700.0	9,221.0	24,280.1	9,241.0	137.1	132.1	-91.31	-15,480.9	104.4	876.3	607.2	269.05	3.257	
24,800.0	9,221.0	24,380.1	9,241.0	137.9	132.9	-91.31	-15,580.9	104.9	876.3	605.5	270.74	3.236	
24,900.0	9,221.0	24,480.1	9,241.0	138.8	133.8	-91.31	-15,680.9	105.4	876.2	603.8	272.44	3.216	
25,000.0	9,221.0	24,580.1	9,241.0	139.6	134.6	-91.31	-15,780.9	105.8	876.2	602.1	274.14	3.196	
25,100.0	9,221.0	24,680.1	9,241.0	140.4	135.5	-91.31	-15,880.9	106.3	876.2	600.4	275.83	3.177	
25,200.0	9,221.0	24,780.1	9,241.0	141.3	136.4	-91.31	-15,980.9	106.8	876.2	598.7	277.53	3.157	
25,300.0	9,221.0	24,880.1	9,241.0	142.1	137.2	-91.31	-16,080.9	107.3	876.2	597.0	279.23	3.138	
25,400.0	9,221.0	24,980.1	9,241.0	142.9	138.1	-91.31	-16,180.9	107.8	876.2	595.3	280.93	3.119	
25,457.6	9,221.0	25,037.7	9,241.0	143.4	138.6	-91.31	-16,238.5	108.1	876.2	594.3	281.90	3.108	
25,458.5	9,221.0	25,038.6	9,241.0	143.4	138.6	-91.31	-16,239.4	108.1	876.2	594.3	281.92	3.108	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design SCOUT STATE PROJECT (ATLAS 2528) - SCOUT ST COM #605H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,300.0	8,286.2	23,902.2	9,211.1	29.6	130.1	164.09	131.1	-64.9	957.1	822.6	134.50	7.116	
8,400.0	8,386.0	23,899.1	9,211.1	30.0	130.1	163.61	134.2	-64.9	865.7	730.0	135.68	6.380	
8,500.0	8,485.7	23,896.0	9,211.2	30.3	130.1	163.13	137.3	-64.9	776.3	639.2	137.18	5.659	
8,600.0	8,585.5	23,892.9	9,211.2	30.7	130.1	162.65	140.4	-64.9	689.9	550.8	139.14	4.959	
8,665.1	8,650.4	23,890.9	9,211.2	30.9	130.1	162.33	142.4	-64.9	635.8	495.1	140.75	4.517	
8,700.0	8,685.2	23,890.8	9,211.2	31.1	130.1	-161.58	142.5	-64.9	607.9	466.1	141.76	4.288	
8,750.0	8,734.8	23,894.1	9,211.2	31.2	130.1	-143.17	139.2	-64.9	570.3	426.8	143.47	3.975	
8,800.0	8,783.7	23,901.4	9,211.1	31.4	130.1	-137.71	131.8	-64.9	536.1	390.6	145.50	3.685	
8,850.0	8,831.6	23,912.7	9,211.1	31.6	130.2	-135.19	120.5	-64.8	506.2	358.4	147.82	3.425	
8,900.0	8,878.1	23,927.9	9,211.0	31.7	130.4	-133.22	105.3	-64.7	481.5	331.1	150.38	3.202	
8,950.0	8,922.9	23,946.9	9,210.8	31.9	130.5	-131.08	86.4	-64.7	462.4	309.3	153.05	3.021	
9,000.0	8,965.6	23,969.5	9,210.7	32.0	130.7	-128.50	63.8	-64.6	449.4	293.8	155.67	2.887	
9,050.0	9,005.9	23,995.5	9,210.5	32.2	130.9	-125.41	37.7	-64.5	442.7	284.6	158.09	2.800	
9,081.5	9,030.0	24,013.7	9,210.4	32.3	131.1	-123.19	19.6	-64.4	441.5	282.1	159.45	2.769	CC
9,100.0	9,043.5	24,024.9	9,210.3	32.3	131.2	-121.79	8.4	-64.3	441.9	281.8	160.17	2.759	ES
9,150.0	9,078.1	24,057.2	9,210.1	32.4	131.4	-117.72	-23.9	-64.2	446.5	284.7	161.85	2.759	SF
9,200.0	9,109.4	24,092.3	9,209.8	32.6	131.7	-113.31	-59.1	-64.0	455.7	292.6	163.14	2.793	
9,250.0	9,137.2	24,130.0	9,209.6	32.7	132.0	-108.73	-96.7	-63.9	468.5	304.5	164.10	2.855	
9,300.0	9,161.3	24,169.8	9,209.3	32.8	132.4	-104.17	-136.6	-63.7	484.1	319.3	164.81	2.937	
9,350.0	9,181.5	24,211.7	9,209.0	32.9	132.7	-99.83	-178.4	-63.5	501.4	336.1	165.37	3.032	
9,400.0	9,197.7	24,212.2	9,209.0	33.0	132.7	-97.46	-178.9	-63.5	521.7	356.4	165.30	3.156	
9,450.0	9,209.7	24,212.2	9,209.0	33.1	132.7	-94.59	-178.9	-63.5	546.0	381.6	164.44	3.320	
9,500.0	9,217.4	24,212.2	9,209.0	33.2	132.7	-91.21	-178.9	-63.5	573.7	410.7	162.95	3.520	
9,550.0	9,220.8	24,212.2	9,209.0	33.3	132.7	-87.38	-178.9	-63.5	604.0	443.0	161.04	3.751	
9,564.1	9,221.0	24,212.2	9,209.0	33.3	132.7	-86.22	-178.9	-63.5	613.0	452.6	160.44	3.821	
9,600.0	9,221.0	24,212.2	9,209.0	33.4	132.7	-86.26	-178.9	-63.5	636.5	477.7	158.84	4.007	
9,700.0	9,221.0	24,212.2	9,209.0	33.5	132.7	-86.38	-178.9	-63.5	705.8	551.8	153.99	4.583	
9,800.0	9,221.0	24,212.2	9,209.0	33.7	132.7	-86.52	-178.9	-63.5	779.6	630.6	148.95	5.234	
9,900.0	9,221.0	24,212.2	9,209.0	33.9	132.7	-86.66	-178.9	-63.5	856.6	712.6	144.00	5.949	
10,000.0	9,221.0	24,212.2	9,209.0	34.1	132.7	-86.81	-178.9	-63.5	936.0	796.8	139.25	6.722	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Offset Design SCOUT STATE PROJECT (ATLAS 2528) - SCOUT ST COM #606H - OWB - PWP1 — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 8760-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
8,400.0	8,386.0	23,877.6	9,196.0	30.0	127.8	-22.90	130.7	-966.8	984.8	843.7	141.12	6.979	
8,500.0	8,485.7	23,874.5	9,196.0	30.3	127.8	-22.57	133.7	-966.8	902.4	759.5	142.97	6.312	
8,600.0	8,585.5	23,871.4	9,196.0	30.7	127.7	-22.24	136.8	-966.8	823.9	678.8	145.15	5.677	
8,665.1	8,650.4	23,869.4	9,196.0	30.9	127.7	-22.02	138.8	-966.9	775.5	628.8	146.76	5.284	
8,700.0	8,685.2	23,869.3	9,196.0	31.1	127.7	21.81	138.9	-966.9	750.3	602.6	147.68	5.080	
8,750.0	8,734.8	23,872.7	9,196.0	31.2	127.7	49.35	135.6	-966.8	714.7	565.6	149.07	4.794	
8,800.0	8,783.7	23,880.0	9,196.0	31.4	127.8	61.74	128.3	-966.8	680.0	529.4	150.52	4.517	
8,850.0	8,831.6	23,891.3	9,195.9	31.6	127.9	69.14	116.9	-966.8	646.4	494.4	152.01	4.253	
8,900.0	8,878.1	23,906.5	9,195.8	31.7	128.0	74.10	101.7	-966.7	614.3	460.8	153.51	4.002	
8,950.0	8,922.9	23,925.5	9,195.6	31.9	128.2	77.52	82.7	-966.6	583.8	428.8	155.00	3.767	
9,000.0	8,965.6	23,948.1	9,195.5	32.0	128.4	79.81	60.1	-966.5	555.1	398.7	156.44	3.549	
9,050.0	9,005.9	23,974.2	9,195.3	32.2	128.6	81.23	34.1	-966.4	528.3	370.5	157.80	3.348	
9,100.0	9,043.5	24,003.5	9,195.1	32.3	128.9	81.96	4.8	-966.3	503.3	344.2	159.05	3.164	
9,150.0	9,078.1	24,035.8	9,194.9	32.4	129.1	82.14	-27.6	-966.2	480.0	319.9	160.17	2.997	
9,200.0	9,109.4	24,071.0	9,194.7	32.6	129.4	81.92	-62.7	-966.0	458.4	297.3	161.14	2.845	
9,250.0	9,137.2	24,108.6	9,194.4	32.7	129.8	81.43	-100.4	-965.9	438.2	276.2	161.96	2.705	
9,300.0	9,161.3	24,148.5	9,194.2	32.8	130.1	80.81	-140.2	-965.7	419.0	256.4	162.64	2.576	
9,350.0	9,181.5	24,172.1	9,194.0	32.9	130.3	81.30	-163.8	-965.6	401.1	238.1	163.01	2.461	
9,400.0	9,197.7	24,172.1	9,194.0	33.0	130.3	82.81	-163.8	-965.6	387.8	225.8	161.94	2.395	
9,450.0	9,209.7	24,172.1	9,194.0	33.1	130.3	83.65	-163.8	-965.6	380.4	221.4	158.94	2.393	ES, SF
9,483.4	9,215.3	24,172.1	9,194.0	33.2	130.3	83.83	-163.8	-965.6	378.9	223.2	155.78	2.433	CC
9,500.0	9,217.4	24,172.1	9,194.0	33.2	130.3	83.81	-163.8	-965.6	379.3	225.4	153.88	2.465	
9,550.0	9,220.8	24,172.1	9,194.0	33.3	130.3	83.30	-163.8	-965.6	384.6	237.6	146.95	2.617	
9,564.1	9,221.0	24,172.1	9,194.0	33.3	130.3	83.03	-163.8	-965.6	387.2	242.5	144.72	2.676	
9,600.0	9,221.0	24,172.1	9,194.0	33.4	130.3	83.01	-163.8	-965.6	396.3	257.6	138.68	2.857	
9,700.0	9,221.0	24,172.1	9,194.0	33.5	130.3	82.90	-163.8	-965.6	438.3	317.4	120.91	3.625	
9,800.0	9,221.0	24,172.1	9,194.0	33.7	130.3	82.70	-163.8	-965.6	499.8	394.8	105.05	4.758	
9,900.0	9,221.0	24,172.1	9,194.0	33.9	130.3	82.41	-163.8	-965.6	574.5	481.6	92.81	6.190	
10,000.0	9,221.0	24,172.1	9,194.0	34.1	130.3	82.00	-163.8	-965.6	657.7	573.6	84.08	7.822	
10,100.0	9,221.0	24,172.1	9,194.0	34.3	130.3	81.43	-163.8	-965.6	746.6	668.5	78.12	9.558	
10,200.0	9,221.0	24,172.1	9,194.0	34.6	130.3	80.66	-163.8	-965.6	839.3	765.2	74.14	11.321	
10,300.0	9,221.0	24,172.1	9,194.0	34.8	130.3	79.58	-163.8	-965.6	934.6	863.1	71.52	13.067	

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

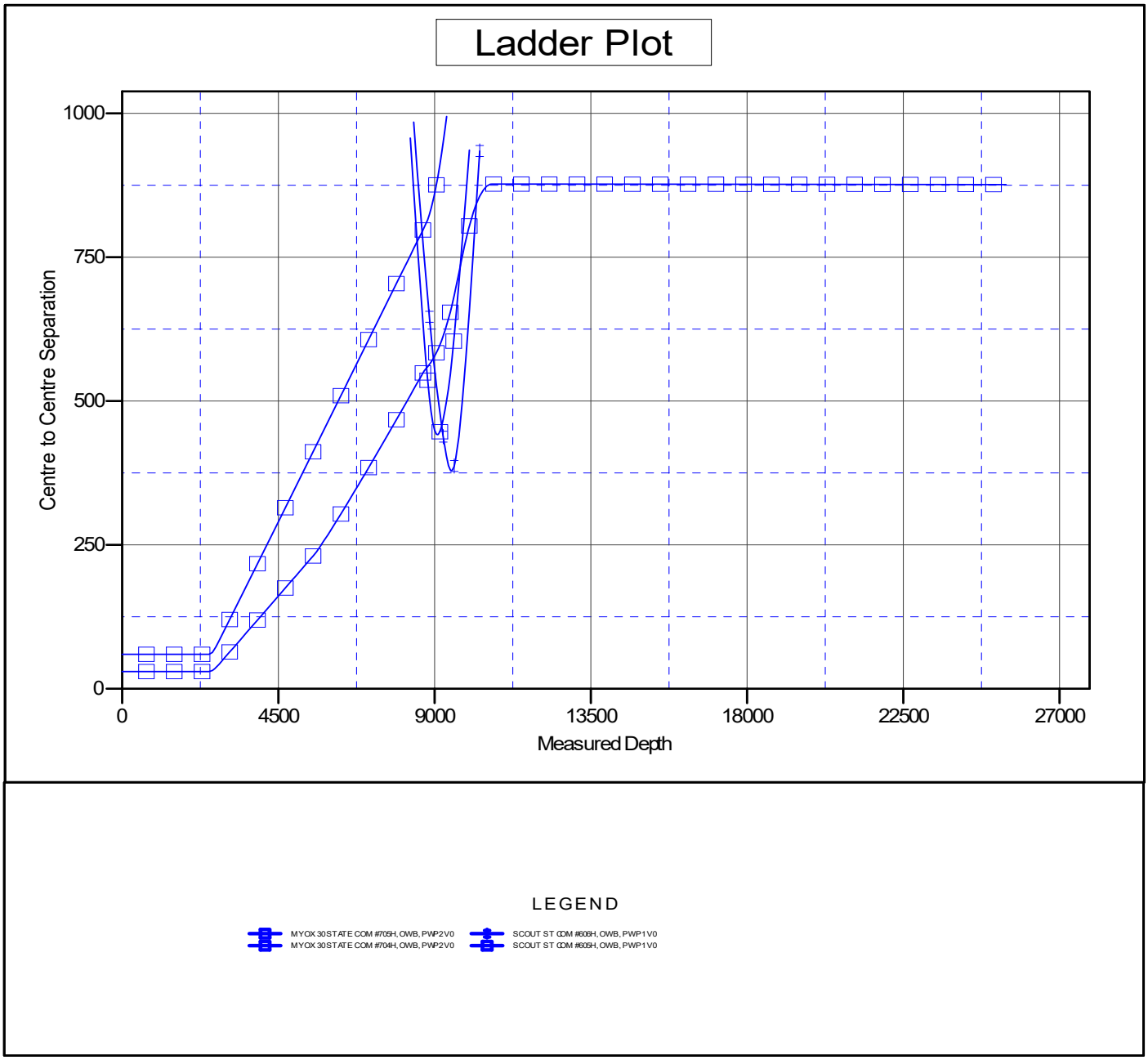
Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB=30' @ 3075.0usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 30 STATE COM #706H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.11°



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

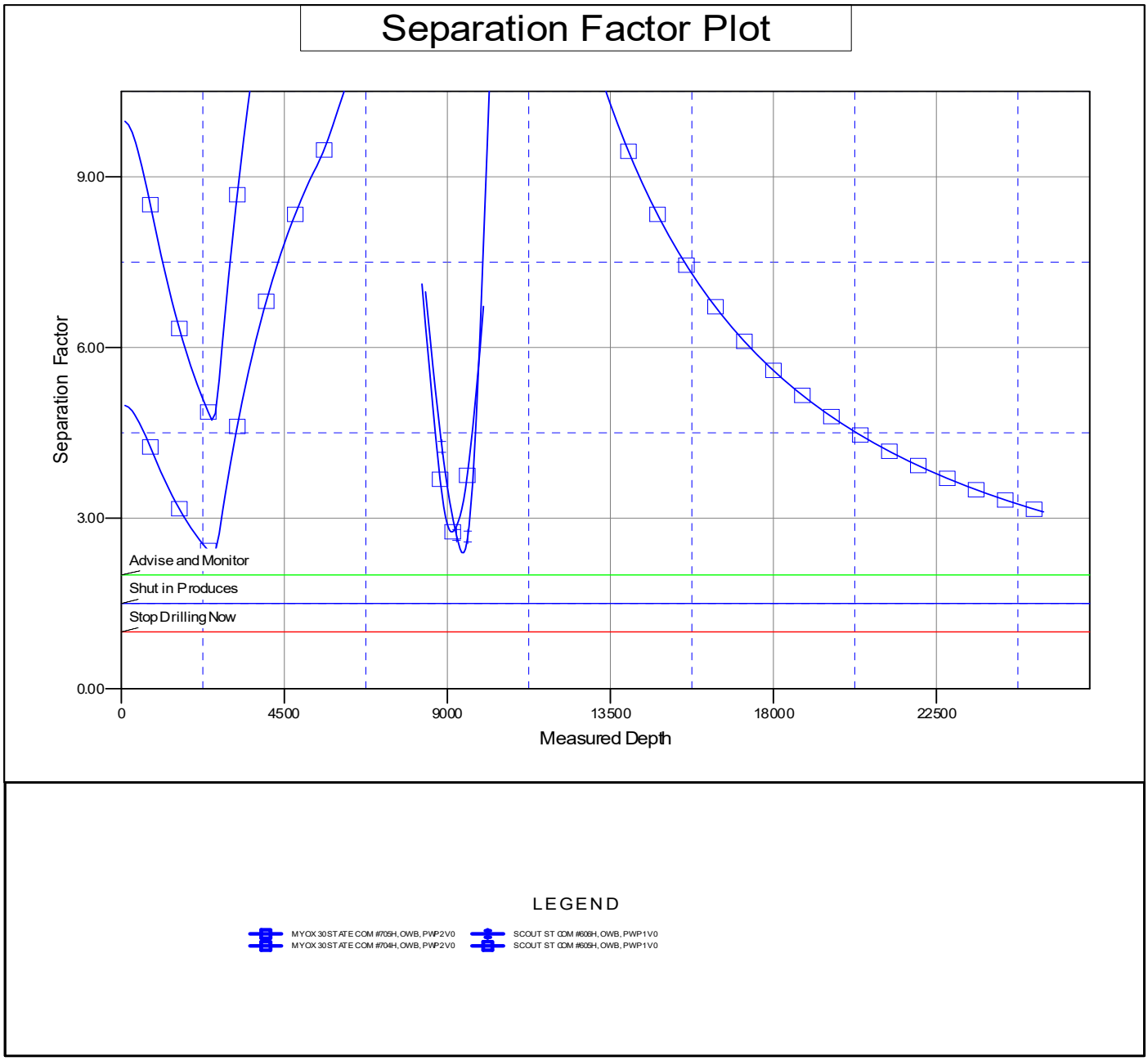
Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Reference Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Site Error:	0.0 usft	**North Reference:**	Grid
Reference Well:	MYOX 30 STATE 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:	PWP2	**Offset TVD Reference:**	Offset Datum

Reference Depths are relative to KB=30' @ 3075.0usft (TBD)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 30 STATE COM #706H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.11°



DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)
MYOX 30 & 31 STATE PROJECT (ATLAS 2528)
MYOX 30 STATE COM #706H

OWB

Plan: PWP2

Standard Survey Report

20 November, 2020

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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		

Site MYOX 30 & 31 STATE PROJECT (ATLAS 2528)

Site Position:		**Northing:**	402,888.30 usft	**Latitude:**	32° 6' 26.701 N
From:	Map	**Easting:**	576,200.50 usft	**Longitude:**	104° 5' 14.043 W
Position Uncertainty:	0.0 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	0.13 °

Well MYOX 30 STATE COM #706H

Well Position	**+N/-S**	0.0 usft	**Northing:**	408,742.94 usft	**Latitude:**	32° 7' 24.919 N
	+E/-W	0.0 usft	**Easting:**	562,724.18 usft	**Longitude:**	104° 7' 50.598 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,045.0 usft

Wellbore OWB

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	5/27/2020	6.92	59.76	47,487.86904877

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	182.71

Survey Tool Program **Date** 11/20/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	25,457.6	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

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
1,000.0	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
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	290.00	2,600.0	0.6	-1.6	-0.5	2.00	2.00	0.00
2,700.0	4.00	290.00	2,699.9	2.4	-6.6	-2.1	2.00	2.00	0.00
Start 5965.1 hold at 2700.0 MD									
2,800.0	4.00	290.00	2,799.6	4.8	-13.1	-4.1	0.00	0.00	0.00
2,900.0	4.00	290.00	2,899.4	7.2	-19.7	-6.2	0.00	0.00	0.00
3,000.0	4.00	290.00	2,999.1	9.5	-26.2	-8.3	0.00	0.00	0.00
3,100.0	4.00	290.00	3,098.9	11.9	-32.8	-10.4	0.00	0.00	0.00
3,200.0	4.00	290.00	3,198.6	14.3	-39.3	-12.4	0.00	0.00	0.00
3,300.0	4.00	290.00	3,298.4	16.7	-45.9	-14.5	0.00	0.00	0.00
3,400.0	4.00	290.00	3,398.1	19.1	-52.4	-16.6	0.00	0.00	0.00
3,500.0	4.00	290.00	3,497.9	21.5	-59.0	-18.7	0.00	0.00	0.00
3,600.0	4.00	290.00	3,597.6	23.9	-65.6	-20.7	0.00	0.00	0.00
3,700.0	4.00	290.00	3,697.4	26.2	-72.1	-22.8	0.00	0.00	0.00
3,800.0	4.00	290.00	3,797.2	28.6	-78.7	-24.9	0.00	0.00	0.00
3,900.0	4.00	290.00	3,896.9	31.0	-85.2	-27.0	0.00	0.00	0.00
4,000.0	4.00	290.00	3,996.7	33.4	-91.8	-29.0	0.00	0.00	0.00
4,100.0	4.00	290.00	4,096.4	35.8	-98.3	-31.1	0.00	0.00	0.00
4,200.0	4.00	290.00	4,196.2	38.2	-104.9	-33.2	0.00	0.00	0.00
4,300.0	4.00	290.00	4,295.9	40.6	-111.4	-35.3	0.00	0.00	0.00
4,400.0	4.00	290.00	4,395.7	42.9	-118.0	-37.3	0.00	0.00	0.00
4,500.0	4.00	290.00	4,495.5	45.3	-124.6	-39.4	0.00	0.00	0.00
4,600.0	4.00	290.00	4,595.2	47.7	-131.1	-41.5	0.00	0.00	0.00
4,700.0	4.00	290.00	4,695.0	50.1	-137.7	-43.5	0.00	0.00	0.00
4,800.0	4.00	290.00	4,794.7	52.5	-144.2	-45.6	0.00	0.00	0.00
4,900.0	4.00	290.00	4,894.5	54.9	-150.8	-47.7	0.00	0.00	0.00
5,000.0	4.00	290.00	4,994.2	57.3	-157.3	-49.8	0.00	0.00	0.00
5,100.0	4.00	290.00	5,094.0	59.6	-163.9	-51.8	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
5,200.0	4.00	290.00	5,193.7	62.0	-170.4	-53.9	0.00	0.00	0.00
5,300.0	4.00	290.00	5,293.5	64.4	-177.0	-56.0	0.00	0.00	0.00
5,400.0	4.00	290.00	5,393.3	66.8	-183.6	-58.1	0.00	0.00	0.00
5,500.0	4.00	290.00	5,493.0	69.2	-190.1	-60.1	0.00	0.00	0.00
5,600.0	4.00	290.00	5,592.8	71.6	-196.7	-62.2	0.00	0.00	0.00
5,700.0	4.00	290.00	5,692.5	74.0	-203.2	-64.3	0.00	0.00	0.00
5,800.0	4.00	290.00	5,792.3	76.3	-209.8	-66.4	0.00	0.00	0.00
5,900.0	4.00	290.00	5,892.0	78.7	-216.3	-68.4	0.00	0.00	0.00
6,000.0	4.00	290.00	5,991.8	81.1	-222.9	-70.5	0.00	0.00	0.00
6,100.0	4.00	290.00	6,091.6	83.5	-229.4	-72.6	0.00	0.00	0.00
6,200.0	4.00	290.00	6,191.3	85.9	-236.0	-74.6	0.00	0.00	0.00
6,300.0	4.00	290.00	6,291.1	88.3	-242.6	-76.7	0.00	0.00	0.00
6,400.0	4.00	290.00	6,390.8	90.7	-249.1	-78.8	0.00	0.00	0.00
6,500.0	4.00	290.00	6,490.6	93.0	-255.7	-80.9	0.00	0.00	0.00
6,600.0	4.00	290.00	6,590.3	95.4	-262.2	-82.9	0.00	0.00	0.00
6,700.0	4.00	290.00	6,690.1	97.8	-268.8	-85.0	0.00	0.00	0.00
6,800.0	4.00	290.00	6,789.8	100.2	-275.3	-87.1	0.00	0.00	0.00
6,900.0	4.00	290.00	6,889.6	102.6	-281.9	-89.2	0.00	0.00	0.00
7,000.0	4.00	290.00	6,989.4	105.0	-288.4	-91.2	0.00	0.00	0.00
7,100.0	4.00	290.00	7,089.1	107.4	-295.0	-93.3	0.00	0.00	0.00
7,200.0	4.00	290.00	7,188.9	109.7	-301.6	-95.4	0.00	0.00	0.00
7,300.0	4.00	290.00	7,288.6	112.1	-308.1	-97.5	0.00	0.00	0.00
7,400.0	4.00	290.00	7,388.4	114.5	-314.7	-99.5	0.00	0.00	0.00
7,500.0	4.00	290.00	7,488.1	116.9	-321.2	-101.6	0.00	0.00	0.00
7,600.0	4.00	290.00	7,587.9	119.3	-327.8	-103.7	0.00	0.00	0.00
7,700.0	4.00	290.00	7,687.7	121.7	-334.3	-105.8	0.00	0.00	0.00
7,800.0	4.00	290.00	7,787.4	124.1	-340.9	-107.8	0.00	0.00	0.00
7,900.0	4.00	290.00	7,887.2	126.4	-347.4	-109.9	0.00	0.00	0.00
8,000.0	4.00	290.00	7,986.9	128.8	-354.0	-112.0	0.00	0.00	0.00
8,100.0	4.00	290.00	8,086.7	131.2	-360.6	-114.0	0.00	0.00	0.00
8,200.0	4.00	290.00	8,186.4	133.6	-367.1	-116.1	0.00	0.00	0.00
8,300.0	4.00	290.00	8,286.2	136.0	-373.7	-118.2	0.00	0.00	0.00
8,400.0	4.00	290.00	8,386.0	138.4	-380.2	-120.3	0.00	0.00	0.00
8,500.0	4.00	290.00	8,485.7	140.8	-386.8	-122.3	0.00	0.00	0.00
8,600.0	4.00	290.00	8,585.5	143.1	-393.3	-124.4	0.00	0.00	0.00
8,665.1	4.00	290.00	8,650.4	144.7	-397.6	-125.8	0.00	0.00	0.00
Start DLS 10.00 TFO -88.60									
8,700.0	5.37	249.44	8,685.2	144.5	-400.3	-125.5	10.00	3.93	-116.20
8,800.0	14.15	217.49	8,783.7	133.2	-412.1	-113.6	10.00	8.78	-31.94
8,900.0	23.91	210.47	8,878.1	105.9	-429.9	-85.5	10.00	9.75	-7.02
9,000.0	33.80	207.39	8,965.6	63.7	-453.0	-42.2	10.00	9.89	-3.08
9,100.0	43.73	205.59	9,043.5	7.7	-480.8	15.1	10.00	9.94	-1.80
9,200.0	53.69	204.34	9,109.4	-60.4	-512.4	84.5	10.00	9.96	-1.25
9,300.0	63.66	203.38	9,161.3	-138.4	-546.9	164.1	10.00	9.97	-0.96

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
9,400.0	73.63	202.58	9,197.7	-224.1	-583.2	251.4	10.00	9.97	-0.81
9,500.0	83.60	201.85	9,217.4	-314.7	-620.2	343.7	10.00	9.97	-0.73
9,564.1	90.00	201.40	9,221.0	-374.2	-643.8	404.2	10.00	9.98	-0.70
Start DLS 2.00 TFO -90.00									
9,600.0	90.00	200.68	9,221.0	-407.7	-656.7	438.2	2.00	0.00	-2.00
9,700.0	90.00	198.68	9,221.0	-501.8	-690.4	533.9	2.00	0.00	-2.00
9,800.0	90.00	196.68	9,221.0	-597.1	-720.7	630.5	2.00	0.00	-2.00
9,900.0	90.00	194.68	9,221.0	-693.4	-747.8	727.9	2.00	0.00	-2.00
10,000.0	90.00	192.68	9,221.0	-790.5	-771.4	826.1	2.00	0.00	-2.00
10,100.0	90.00	190.68	9,221.0	-888.5	-791.7	924.9	2.00	0.00	-2.00
10,200.0	90.00	188.68	9,221.0	-987.0	-808.5	1,024.1	2.00	0.00	-2.00
10,300.0	90.00	186.68	9,221.0	-1,086.1	-821.8	1,123.7	2.00	0.00	-2.00
10,400.0	90.00	184.68	9,221.0	-1,185.6	-831.7	1,223.6	2.00	0.00	-2.00
10,500.0	90.00	182.68	9,221.0	-1,285.4	-838.2	1,323.6	2.00	0.00	-2.00
10,600.0	90.00	180.68	9,221.0	-1,385.4	-841.1	1,423.6	2.00	0.00	-2.00
10,648.3	90.00	179.72	9,221.0	-1,433.7	-841.3	1,471.8	2.00	0.00	-2.00
Start 14809.3 hold at 10648.3 MD									
10,700.0	90.00	179.72	9,221.0	-1,485.4	-841.0	1,523.4	0.00	0.00	0.00
10,800.0	90.00	179.72	9,221.0	-1,585.4	-840.5	1,623.3	0.00	0.00	0.00
10,900.0	90.00	179.72	9,221.0	-1,685.4	-840.0	1,723.2	0.00	0.00	0.00
11,000.0	90.00	179.72	9,221.0	-1,785.4	-839.5	1,823.0	0.00	0.00	0.00
11,100.0	90.00	179.72	9,221.0	-1,885.4	-839.0	1,922.9	0.00	0.00	0.00
11,200.0	90.00	179.72	9,221.0	-1,985.4	-838.5	2,022.8	0.00	0.00	0.00
11,300.0	90.00	179.72	9,221.0	-2,085.4	-838.0	2,122.6	0.00	0.00	0.00
11,400.0	90.00	179.72	9,221.0	-2,185.4	-837.5	2,222.5	0.00	0.00	0.00
11,500.0	90.00	179.72	9,221.0	-2,285.4	-837.1	2,322.3	0.00	0.00	0.00
11,600.0	90.00	179.72	9,221.0	-2,385.4	-836.6	2,422.2	0.00	0.00	0.00
11,700.0	90.00	179.72	9,221.0	-2,485.4	-836.1	2,522.1	0.00	0.00	0.00
11,800.0	90.00	179.72	9,221.0	-2,585.4	-835.6	2,621.9	0.00	0.00	0.00
11,900.0	90.00	179.72	9,221.0	-2,685.4	-835.1	2,721.8	0.00	0.00	0.00
12,000.0	90.00	179.72	9,221.0	-2,785.4	-834.6	2,821.7	0.00	0.00	0.00
12,100.0	90.00	179.72	9,221.0	-2,885.4	-834.1	2,921.5	0.00	0.00	0.00
12,200.0	90.00	179.72	9,221.0	-2,985.4	-833.6	3,021.4	0.00	0.00	0.00
12,300.0	90.00	179.72	9,221.0	-3,085.4	-833.1	3,121.3	0.00	0.00	0.00
12,400.0	90.00	179.72	9,221.0	-3,185.4	-832.6	3,221.1	0.00	0.00	0.00
12,500.0	90.00	179.72	9,221.0	-3,285.4	-832.1	3,321.0	0.00	0.00	0.00
12,600.0	90.00	179.72	9,221.0	-3,385.4	-831.6	3,420.8	0.00	0.00	0.00
12,700.0	90.00	179.72	9,221.0	-3,485.4	-831.1	3,520.7	0.00	0.00	0.00
12,800.0	90.00	179.72	9,221.0	-3,585.4	-830.6	3,620.6	0.00	0.00	0.00
12,900.0	90.00	179.72	9,221.0	-3,685.3	-830.1	3,720.4	0.00	0.00	0.00
13,000.0	90.00	179.72	9,221.0	-3,785.3	-829.6	3,820.3	0.00	0.00	0.00
13,100.0	90.00	179.72	9,221.0	-3,885.3	-829.1	3,920.2	0.00	0.00	0.00
13,200.0	90.00	179.72	9,221.0	-3,985.3	-828.6	4,020.0	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
13,300.0	90.00	179.72	9,221.0	-4,085.3	-828.1	4,119.9	0.00	0.00	0.00
13,400.0	90.00	179.72	9,221.0	-4,185.3	-827.6	4,219.8	0.00	0.00	0.00
13,500.0	90.00	179.72	9,221.0	-4,285.3	-827.1	4,319.6	0.00	0.00	0.00
13,600.0	90.00	179.72	9,221.0	-4,385.3	-826.6	4,419.5	0.00	0.00	0.00
13,700.0	90.00	179.72	9,221.0	-4,485.3	-826.2	4,519.3	0.00	0.00	0.00
13,800.0	90.00	179.72	9,221.0	-4,585.3	-825.7	4,619.2	0.00	0.00	0.00
13,900.0	90.00	179.72	9,221.0	-4,685.3	-825.2	4,719.1	0.00	0.00	0.00
14,000.0	90.00	179.72	9,221.0	-4,785.3	-824.7	4,818.9	0.00	0.00	0.00
14,100.0	90.00	179.72	9,221.0	-4,885.3	-824.2	4,918.8	0.00	0.00	0.00
14,200.0	90.00	179.72	9,221.0	-4,985.3	-823.7	5,018.7	0.00	0.00	0.00
14,300.0	90.00	179.72	9,221.0	-5,085.3	-823.2	5,118.5	0.00	0.00	0.00
14,400.0	90.00	179.72	9,221.0	-5,185.3	-822.7	5,218.4	0.00	0.00	0.00
14,500.0	90.00	179.72	9,221.0	-5,285.3	-822.2	5,318.3	0.00	0.00	0.00
14,600.0	90.00	179.72	9,221.0	-5,385.3	-821.7	5,418.1	0.00	0.00	0.00
14,700.0	90.00	179.72	9,221.0	-5,485.3	-821.2	5,518.0	0.00	0.00	0.00
14,800.0	90.00	179.72	9,221.0	-5,585.3	-820.7	5,617.8	0.00	0.00	0.00
14,900.0	90.00	179.72	9,221.0	-5,685.3	-820.2	5,717.7	0.00	0.00	0.00
15,000.0	90.00	179.72	9,221.0	-5,785.3	-819.7	5,817.6	0.00	0.00	0.00
15,100.0	90.00	179.72	9,221.0	-5,885.3	-819.2	5,917.4	0.00	0.00	0.00
15,200.0	90.00	179.72	9,221.0	-5,985.3	-818.7	6,017.3	0.00	0.00	0.00
15,300.0	90.00	179.72	9,221.0	-6,085.3	-818.2	6,117.2	0.00	0.00	0.00
15,400.0	90.00	179.72	9,221.0	-6,185.3	-817.7	6,217.0	0.00	0.00	0.00
15,500.0	90.00	179.72	9,221.0	-6,285.3	-817.2	6,316.9	0.00	0.00	0.00
15,600.0	90.00	179.72	9,221.0	-6,385.3	-816.7	6,416.8	0.00	0.00	0.00
15,700.0	90.00	179.72	9,221.0	-6,485.3	-816.2	6,516.6	0.00	0.00	0.00
15,800.0	90.00	179.72	9,221.0	-6,585.3	-815.7	6,616.5	0.00	0.00	0.00
15,900.0	90.00	179.72	9,221.0	-6,685.3	-815.3	6,716.4	0.00	0.00	0.00
16,000.0	90.00	179.72	9,221.0	-6,785.3	-814.8	6,816.2	0.00	0.00	0.00
16,100.0	90.00	179.72	9,221.0	-6,885.3	-814.3	6,916.1	0.00	0.00	0.00
16,200.0	90.00	179.72	9,221.0	-6,985.3	-813.8	7,015.9	0.00	0.00	0.00
16,300.0	90.00	179.72	9,221.0	-7,085.3	-813.3	7,115.8	0.00	0.00	0.00
16,400.0	90.00	179.72	9,221.0	-7,185.3	-812.8	7,215.7	0.00	0.00	0.00
16,500.0	90.00	179.72	9,221.0	-7,285.3	-812.3	7,315.5	0.00	0.00	0.00
16,600.0	90.00	179.72	9,221.0	-7,385.3	-811.8	7,415.4	0.00	0.00	0.00
16,700.0	90.00	179.72	9,221.0	-7,485.3	-811.3	7,515.3	0.00	0.00	0.00
16,800.0	90.00	179.72	9,221.0	-7,585.3	-810.8	7,615.1	0.00	0.00	0.00
16,900.0	90.00	179.72	9,221.0	-7,685.3	-810.3	7,715.0	0.00	0.00	0.00
17,000.0	90.00	179.72	9,221.0	-7,785.3	-809.8	7,814.9	0.00	0.00	0.00
17,100.0	90.00	179.72	9,221.0	-7,885.3	-809.3	7,914.7	0.00	0.00	0.00
17,200.0	90.00	179.72	9,221.0	-7,985.3	-808.8	8,014.6	0.00	0.00	0.00
17,300.0	90.00	179.72	9,221.0	-8,085.3	-808.3	8,114.4	0.00	0.00	0.00
17,400.0	90.00	179.72	9,221.0	-8,185.3	-807.8	8,214.3	0.00	0.00	0.00
17,500.0	90.00	179.72	9,221.0	-8,285.3	-807.3	8,314.2	0.00	0.00	0.00
17,600.0	90.00	179.72	9,221.0	-8,385.3	-806.8	8,414.0	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
17,700.0	90.00	179.72	9,221.0	-8,485.3	-806.3	8,513.9	0.00	0.00	0.00
17,800.0	90.00	179.72	9,221.0	-8,585.3	-805.8	8,613.8	0.00	0.00	0.00
17,900.0	90.00	179.72	9,221.0	-8,685.3	-805.3	8,713.6	0.00	0.00	0.00
18,000.0	90.00	179.72	9,221.0	-8,785.3	-804.8	8,813.5	0.00	0.00	0.00
18,100.0	90.00	179.72	9,221.0	-8,885.3	-804.3	8,913.4	0.00	0.00	0.00
18,200.0	90.00	179.72	9,221.0	-8,985.3	-803.9	9,013.2	0.00	0.00	0.00
18,300.0	90.00	179.72	9,221.0	-9,085.3	-803.4	9,113.1	0.00	0.00	0.00
18,400.0	90.00	179.72	9,221.0	-9,185.3	-802.9	9,212.9	0.00	0.00	0.00
18,500.0	90.00	179.72	9,221.0	-9,285.3	-802.4	9,312.8	0.00	0.00	0.00
18,600.0	90.00	179.72	9,221.0	-9,385.3	-801.9	9,412.7	0.00	0.00	0.00
18,700.0	90.00	179.72	9,221.0	-9,485.3	-801.4	9,512.5	0.00	0.00	0.00
18,800.0	90.00	179.72	9,221.0	-9,585.3	-800.9	9,612.4	0.00	0.00	0.00
18,900.0	90.00	179.72	9,221.0	-9,685.3	-800.4	9,712.3	0.00	0.00	0.00
19,000.0	90.00	179.72	9,221.0	-9,785.3	-799.9	9,812.1	0.00	0.00	0.00
19,100.0	90.00	179.72	9,221.0	-9,885.3	-799.4	9,912.0	0.00	0.00	0.00
19,200.0	90.00	179.72	9,221.0	-9,985.3	-798.9	10,011.9	0.00	0.00	0.00
19,300.0	90.00	179.72	9,221.0	-10,085.3	-798.4	10,111.7	0.00	0.00	0.00
19,400.0	90.00	179.72	9,221.0	-10,185.3	-797.9	10,211.6	0.00	0.00	0.00
19,500.0	90.00	179.72	9,221.0	-10,285.3	-797.4	10,311.4	0.00	0.00	0.00
19,600.0	90.00	179.72	9,221.0	-10,385.3	-796.9	10,411.3	0.00	0.00	0.00
19,700.0	90.00	179.72	9,221.0	-10,485.3	-796.4	10,511.2	0.00	0.00	0.00
19,800.0	90.00	179.72	9,221.0	-10,585.3	-795.9	10,611.0	0.00	0.00	0.00
19,900.0	90.00	179.72	9,221.0	-10,685.3	-795.4	10,710.9	0.00	0.00	0.00
20,000.0	90.00	179.72	9,221.0	-10,785.3	-794.9	10,810.8	0.00	0.00	0.00
20,100.0	90.00	179.72	9,221.0	-10,885.3	-794.4	10,910.6	0.00	0.00	0.00
20,200.0	90.00	179.72	9,221.0	-10,985.3	-793.9	11,010.5	0.00	0.00	0.00
20,300.0	90.00	179.72	9,221.0	-11,085.3	-793.4	11,110.4	0.00	0.00	0.00
20,400.0	90.00	179.72	9,221.0	-11,185.3	-793.0	11,210.2	0.00	0.00	0.00
20,500.0	90.00	179.72	9,221.0	-11,285.3	-792.5	11,310.1	0.00	0.00	0.00
20,600.0	90.00	179.72	9,221.0	-11,385.3	-792.0	11,410.0	0.00	0.00	0.00
20,700.0	90.00	179.72	9,221.0	-11,485.3	-791.5	11,509.8	0.00	0.00	0.00
20,800.0	90.00	179.72	9,221.0	-11,585.3	-791.0	11,609.7	0.00	0.00	0.00
20,900.0	90.00	179.72	9,221.0	-11,685.3	-790.5	11,709.5	0.00	0.00	0.00
21,000.0	90.00	179.72	9,221.0	-11,785.3	-790.0	11,809.4	0.00	0.00	0.00
21,100.0	90.00	179.72	9,221.0	-11,885.2	-789.5	11,909.3	0.00	0.00	0.00
21,200.0	90.00	179.72	9,221.0	-11,985.2	-789.0	12,009.1	0.00	0.00	0.00
21,300.0	90.00	179.72	9,221.0	-12,085.2	-788.5	12,109.0	0.00	0.00	0.00
21,400.0	90.00	179.72	9,221.0	-12,185.2	-788.0	12,208.9	0.00	0.00	0.00
21,500.0	90.00	179.72	9,221.0	-12,285.2	-787.5	12,308.7	0.00	0.00	0.00
21,600.0	90.00	179.72	9,221.0	-12,385.2	-787.0	12,408.6	0.00	0.00	0.00
21,700.0	90.00	179.72	9,221.0	-12,485.2	-786.5	12,508.5	0.00	0.00	0.00
21,800.0	90.00	179.72	9,221.0	-12,585.2	-786.0	12,608.3	0.00	0.00	0.00
21,900.0	90.00	179.72	9,221.0	-12,685.2	-785.5	12,708.2	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE 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)
22,000.0	90.00	179.72	9,221.0	-12,785.2	-785.0	12,808.0	0.00	0.00	0.00
22,100.0	90.00	179.72	9,221.0	-12,885.2	-784.5	12,907.9	0.00	0.00	0.00
22,200.0	90.00	179.72	9,221.0	-12,985.2	-784.0	13,007.8	0.00	0.00	0.00
22,300.0	90.00	179.72	9,221.0	-13,085.2	-783.5	13,107.6	0.00	0.00	0.00
22,400.0	90.00	179.72	9,221.0	-13,185.2	-783.0	13,207.5	0.00	0.00	0.00
22,500.0	90.00	179.72	9,221.0	-13,285.2	-782.5	13,307.4	0.00	0.00	0.00
22,600.0	90.00	179.72	9,221.0	-13,385.2	-782.1	13,407.2	0.00	0.00	0.00
22,700.0	90.00	179.72	9,221.0	-13,485.2	-781.6	13,507.1	0.00	0.00	0.00
22,800.0	90.00	179.72	9,221.0	-13,585.2	-781.1	13,607.0	0.00	0.00	0.00
22,900.0	90.00	179.72	9,221.0	-13,685.2	-780.6	13,706.8	0.00	0.00	0.00
23,000.0	90.00	179.72	9,221.0	-13,785.2	-780.1	13,806.7	0.00	0.00	0.00
23,100.0	90.00	179.72	9,221.0	-13,885.2	-779.6	13,906.5	0.00	0.00	0.00
23,200.0	90.00	179.72	9,221.0	-13,985.2	-779.1	14,006.4	0.00	0.00	0.00
23,300.0	90.00	179.72	9,221.0	-14,085.2	-778.6	14,106.3	0.00	0.00	0.00
23,400.0	90.00	179.72	9,221.0	-14,185.2	-778.1	14,206.1	0.00	0.00	0.00
23,500.0	90.00	179.72	9,221.0	-14,285.2	-777.6	14,306.0	0.00	0.00	0.00
23,600.0	90.00	179.72	9,221.0	-14,385.2	-777.1	14,405.9	0.00	0.00	0.00
23,700.0	90.00	179.72	9,221.0	-14,485.2	-776.6	14,505.7	0.00	0.00	0.00
23,800.0	90.00	179.72	9,221.0	-14,585.2	-776.1	14,605.6	0.00	0.00	0.00
23,900.0	90.00	179.72	9,221.0	-14,685.2	-775.6	14,705.5	0.00	0.00	0.00
24,000.0	90.00	179.72	9,221.0	-14,785.2	-775.1	14,805.3	0.00	0.00	0.00
24,100.0	90.00	179.72	9,221.0	-14,885.2	-774.6	14,905.2	0.00	0.00	0.00
24,200.0	90.00	179.72	9,221.0	-14,985.2	-774.1	15,005.0	0.00	0.00	0.00
24,300.0	90.00	179.72	9,221.0	-15,085.2	-773.6	15,104.9	0.00	0.00	0.00
24,400.0	90.00	179.72	9,221.0	-15,185.2	-773.1	15,204.8	0.00	0.00	0.00
24,500.0	90.00	179.72	9,221.0	-15,285.2	-772.6	15,304.6	0.00	0.00	0.00
24,600.0	90.00	179.72	9,221.0	-15,385.2	-772.1	15,404.5	0.00	0.00	0.00
24,700.0	90.00	179.72	9,221.0	-15,485.2	-771.6	15,504.4	0.00	0.00	0.00
24,800.0	90.00	179.72	9,221.0	-15,585.2	-771.1	15,604.2	0.00	0.00	0.00
24,900.0	90.00	179.72	9,221.0	-15,685.2	-770.7	15,704.1	0.00	0.00	0.00
25,000.0	90.00	179.72	9,221.0	-15,785.2	-770.2	15,804.0	0.00	0.00	0.00
25,100.0	90.00	179.72	9,221.0	-15,885.2	-769.7	15,903.8	0.00	0.00	0.00
25,200.0	90.00	179.72	9,221.0	-15,985.2	-769.2	16,003.7	0.00	0.00	0.00
25,300.0	90.00	179.72	9,221.0	-16,085.2	-768.7	16,103.6	0.00	0.00	0.00
25,400.0	90.00	179.72	9,221.0	-16,185.2	-768.2	16,203.4	0.00	0.00	0.00
25,457.6	90.00	179.72	9,221.0	-16,242.8	-767.9	16,260.9	0.00	0.00	0.00
TD at 25457.6									

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	**Local Co-ordinate Reference:**	Well MYOX 30 STATE COM #706H
Project:	ATLAS PROSPECT (NM-E)	**TVD Reference:**	KB=30' @ 3075.0usft (TBD)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)	**MD Reference:**	KB=30' @ 3075.0usft (TBD)
Well:	MYOX 30 STATE COM #706H	**North Reference:**	Grid
Wellbore:	OWB	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP2	**Database:**	edm

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
FTP (MYOX 30 STATI	0.00	0.00	9,221.0	-375.9	-844.5	408,367.06	561,879.67	32° 7' 21.215 N	104° 8' 0.427 W
- plan misses target center by 187.2usft at 9633.3usft MD (9221.0 TVD, -438.9 N, -668.3 E) - Circle (radius 50.0)									
LTP (MYOX 30 STATE	0.00	0.00	9,221.0	-16,192.8	-768.0	392,550.16	561,956.13	32° 4' 44.681 N	104° 7' 59.879 W
- plan misses target center by 7.6usft at 25400.0usft MD (9221.0 TVD, -16185.2 N, -768.2 E) - Point									
PBHL (MYOX 30 STA	0.00	359.72	9,221.0	-16,242.8	-767.9	392,500.16	561,956.29	32° 4' 44.186 N	104° 7' 59.878 W
- plan hits target center - Rectangle (sides W100.0 H15,879.0 D20.0)									

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2500	2500	0	0	Start Build 2.00
2700	2700	2	-7	Start 5965.1 hold at 2700.0 MD
8665	8650	145	-398	Start DLS 10.00 TFO -88.60
9564	9221	-374	-644	Start DLS 2.00 TFO -90.00
10,648	9221	-1434	-841	Start 14809.3 hold at 10648.3 MD
25,458	9221	-16,243	-768	TD at 25457.6

Checked By: _____ Approved By: _____ Date: _____

CONCHO

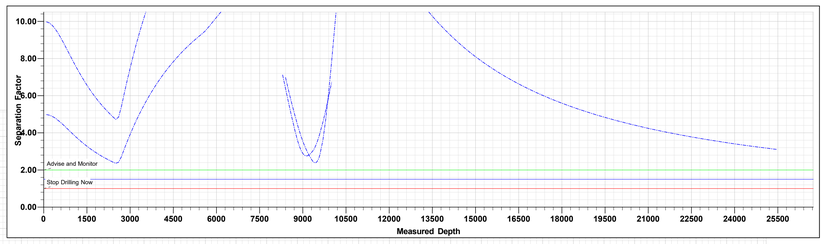
Project:	ATLAS PROSPECT (NM-E)
Site:	MYOX 30 & 31 STATE PROJECT (ATLAS 2528)
Well:	MYOX 30 STATE COM #706H
Wellbore:	OWB
Design:	PWP2
GL:	3045.0
KB=30' @ 3075.0usft (TBD)	

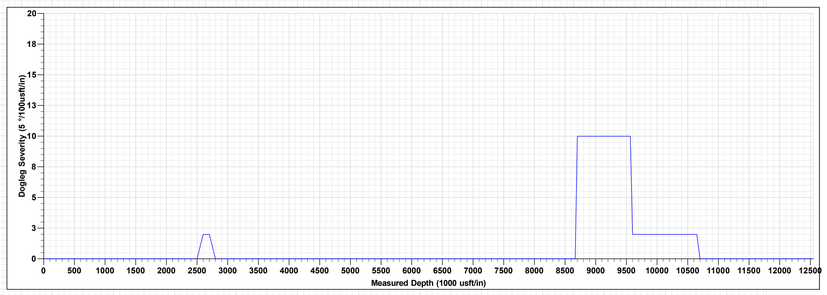
WELL DETAILS: MYOX 30 STATE COM #706H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	408742.94	562724.18	32° 7' 24.919 N	104° 7' 50.598 W

DESIGN TARGET DETAILS

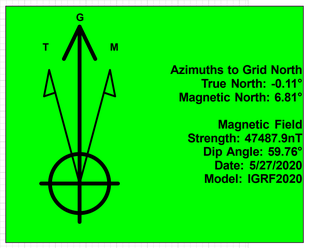
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (MYOX 30 STATE COM #706H)	9221.0	-375.9	-844.5	408367.06	561879.67	32° 7' 21.215 N	104° 8' 0.427 W
LTP (MYOX 30 STATE COM #706H)	9221.0	-16192.8	-768.0	392550.16	561956.13	32° 4' 44.681 N	104° 7' 59.879 W
PBHL (MYOX 30 STATE COM #706H)	9221.0	-16242.8	-767.9	392500.16	561956.29	32° 4' 44.186 N	104° 7' 59.878 W





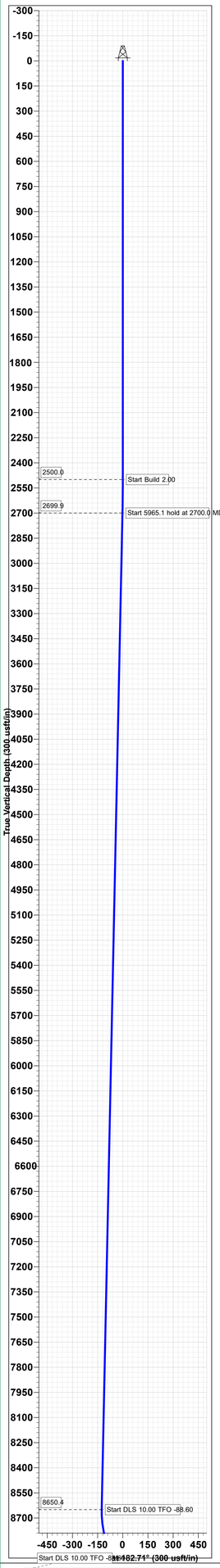
MYOX 30 STATE COM #706H

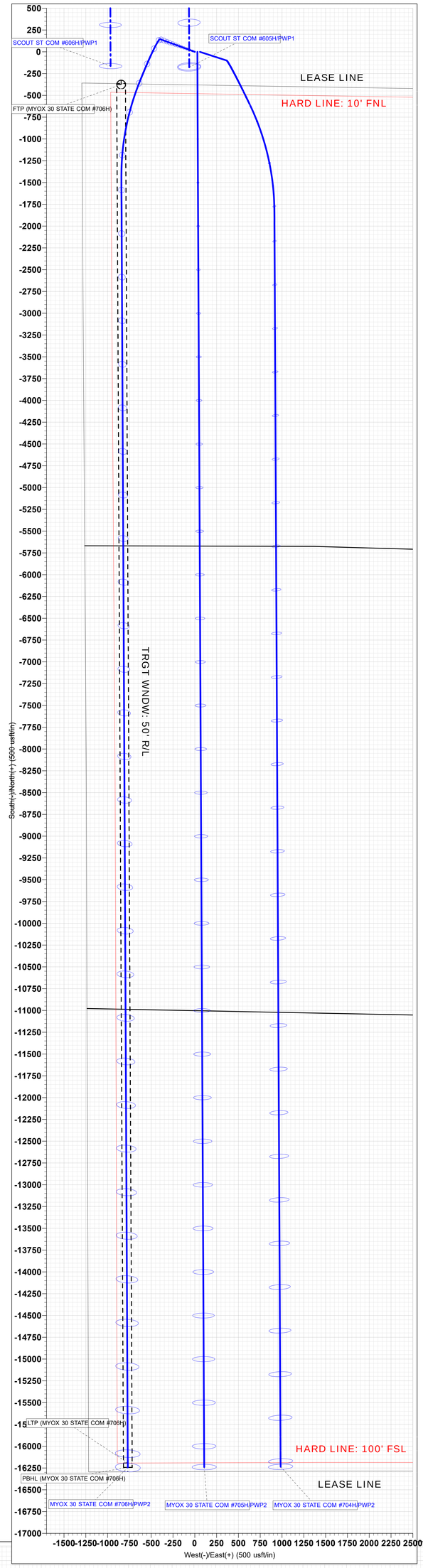
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2700.0	4.00	290.00	2699.9	2.4	-5.6	2.00	290.00	-2.1	Start 5965.1 hold at 2700.0 MD
8665.1	4.00	290.00	8650.4	144.7	-397.6	0.00	0.00	-125.8	Start DLS 10.00 TFO -88.60
9564.1	90.00	201.40	9221.0	-374.2	-643.8	10.00	-88.60	404.2	Start DLS 2.00 TFO -90.00
10648.3	90.00	179.72	9221.0	-1433.7	-841.3	2.00	-90.00	1471.8	Start 14809.3 hold at 10648.3 MD
25457.6	90.00	179.72	9221.0	-16242.8	-767.9	0.00	0.00	16260.9	TD at 25457.6



Azimuths to Grid North
True North: -0.11°
Magnetic North: 6.81°

Magnetic Field
Strength: 47487.9nT
Dip Angle: 59.76°
Date: 5/27/2020
Model: IGRF2020





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

COMMENTS

Action 15604

COMMENTS

Operator:			OGRID:	Action Number:	Action Type:
COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	229137	15604	C-103A

Created By	Comment	Comment Date
kpickford	KP GEO Review 1/26/2021	01/26/2021

District I
1625 N. French Dr., Hobbs, NM 88240
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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

CONDITIONS

Action 15604

CONDITIONS OF APPROVAL

Operator:	OGRID:	Action Number:	Action Type:
COG OPERATING LLC 600 W Illinois Ave Midland, TX79701	229137	15604	C-103A

OCD Reviewer	Condition
jagarcia	• NSL Will require an administrative order for non-standard location prior to placing the well on production.