

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

Form C-103
 Revised July 18, 2013

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

WELL API NO. 30-015-47093
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Myox 30 State Com
8. Well Number 704H
9. OGRID Number 229137
10. Pool name or Wildcat Purple Sage; Wolfcamp (Gas)

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.) 1. Type of Well: Oil Well ☒ Gas Well ☐ Other ☐	
2. Name of Operator COG Operating LLC	
3. Address of Operator 600 West Illinois Ave. Midland, TX 79701	
4. Well Location Unit Letter N : 380 feet from the South line and 1356 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 & 2202' FWL N-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  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 prior to placing the well on production

District I

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District IV

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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 30-015-47093		2 Pool Code 98220		3 Pool Name Purple Sage; Wolfcamp (Gas)	
4 Property Code 40178		5 Property Name MYOX 30 STATE COM			6 Well Number 704H
7 OGRID No. 229137		8 Operator Name COG OPERATING LLC			9 Elevation 3045'

10 Surface Location

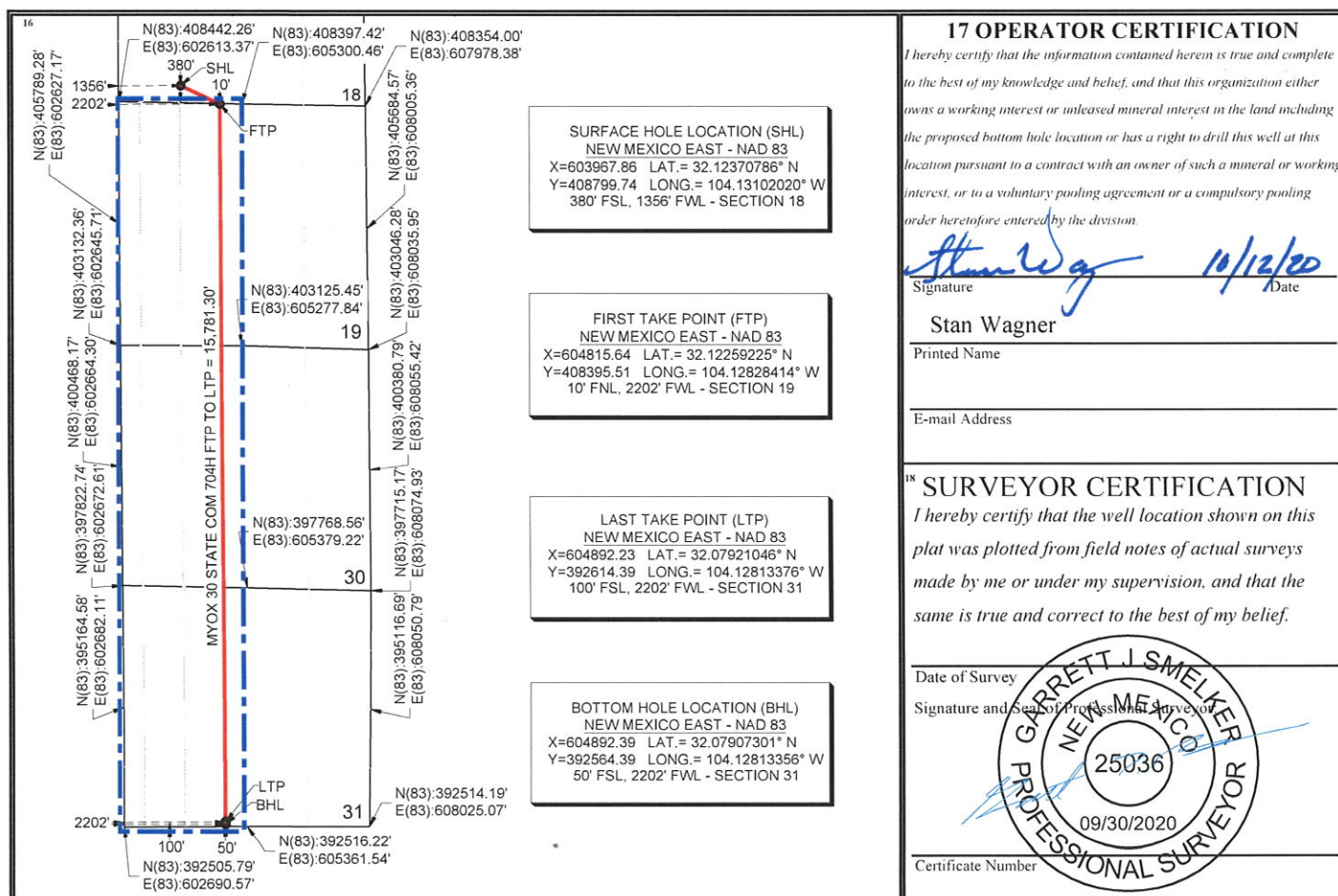
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	18	25-S	28-E		380'	SOUTH	1356'	WEST	EDDY

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	31	25-S	28-E		50'	SOUTH	2202'	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.



Intent ☒ As Drilled ☐API #
30-015-47093

Operator Name:	Property Name:	Well Number
COG Operating LLC	Myox 30 State Com	704H

Kick Off Point (KOP)

UL N	Section 18	Township 25S	Range 28E	Lot	Feet	From N/S	Feet	From E/W	County Eddy
Latitude					Longitude			NAD 83	

First Take Point (FTP)

UL C	Section 19	Township 25S	Range 28E	Lot	Feet 10	From N/S North	Feet 2202	From E/W West	County Eddy
Latitude 32.12259225					Longitude -104.12828414			NAD NAD 83	

Last Take Point (LTP)

UL N	Section 31	Township 25S	Range 28E	Lot	Feet 100	From N/S South	Feet 2202	From E/W West	County Eddy
Latitude 32.07921046					Longitude -104.12813376			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 #
30-015-47094

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 #704H

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 #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference	PWP2
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	11/20/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	8,712.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
8,712.0	25,262.4	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction	

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
MYOX 30 & 31 STATE PROJECT (ATLAS 2528)						
MYOX 30 STATE COM #705H - OWB - PWP2	2,500.0	2,500.0	30.0	23.1	4.346	CC, ES
MYOX 30 STATE COM #705H - OWB - PWP2	25,262.5	25,038.6	876.1	597.8	3.148	SF
MYOX 30 STATE COM #706H - OWB - PWP2	2,500.0	2,500.0	59.9	47.2	4.723	CC, ES, SF
MYOX 30 STATE COM #801H - OWB - AWP	19,909.3	9,255.8	211.3	109.0	2.065	CC, ES, SF
MYOX 6 STATE COM #3H - OWB-PILOT HOLE - AWP-F	25,262.5	9,257.9	423.8	283.4	3.018	CC, ES, SF
SCOUT STATE PROJECT (ATLAS 2528)						
SCOUT ST COM #604H - OWB - PWP1	9,250.0	24,821.0	374.7	194.1	2.075	ES, SF
SCOUT ST COM #604H - OWB - PWP1	9,315.1	24,821.0	368.7	198.3	2.164	CC
SCOUT ST COM #605H - OWB - PWP1	9,047.0	24,212.2	515.8	374.0	3.637	CC, ES, SF

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	Offset	Semi Major Axis		Distance				Warning					
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	
0.0	0.0	0.0	0.0	3.0	3.0	-89.27	0.4	-30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	-89.27	0.4	-30.0	30.0	24.0	6.00	4.995	
200.0	200.0	200.0	200.0	3.0	3.0	-89.27	0.4	-30.0	30.0	24.0	6.00	4.993	
300.0	300.0	300.0	300.0	3.0	3.0	-89.27	0.4	-30.0	30.0	24.0	6.01	4.988	
400.0	400.0	400.0	400.0	3.0	3.0	-89.27	0.4	-30.0	30.0	24.0	6.02	4.980	
500.0	500.0	500.0	500.0	3.1	3.1	-89.27	0.4	-30.0	30.0	23.9	6.03	4.970	
600.0	600.0	600.0	600.0	3.1	3.1	-89.27	0.4	-30.0	30.0	23.9	6.05	4.957	
700.0	700.0	700.0	700.0	3.1	3.1	-89.27	0.4	-30.0	30.0	23.9	6.07	4.942	
800.0	800.0	800.0	800.0	3.2	3.2	-89.27	0.4	-30.0	30.0	23.9	6.09	4.924	
900.0	900.0	900.0	900.0	3.2	3.2	-89.27	0.4	-30.0	30.0	23.9	6.11	4.904	
1,000.0	1,000.0	1,000.0	1,000.0	3.2	3.2	-89.27	0.4	-30.0	30.0	23.8	6.14	4.881	
1,100.0	1,100.0	1,100.0	1,100.0	3.3	3.3	-89.27	0.4	-30.0	30.0	23.8	6.17	4.856	
1,200.0	1,200.0	1,200.0	1,200.0	3.4	3.4	-89.27	0.4	-30.0	30.0	23.8	6.21	4.830	
1,300.0	1,300.0	1,300.0	1,300.0	3.4	3.4	-89.27	0.4	-30.0	30.0	23.7	6.24	4.801	
1,400.0	1,400.0	1,400.0	1,400.0	3.5	3.5	-89.27	0.4	-30.0	30.0	23.7	6.28	4.770	
1,500.0	1,500.0	1,500.0	1,500.0	3.5	3.5	-89.27	0.4	-30.0	30.0	23.6	6.33	4.738	

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

Concho Resources LLC

Anticollision Report

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Reference Well:	MYOX 30 STATE COM #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
1,600.0	1,600.0	1,600.0	1,600.0	3.6	3.6	-89.27	0.4	-30.0	30.0	23.6	6.37	4.704		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	3.7	-89.27	0.4	-30.0	30.0	23.6	6.42	4.669		
1,800.0	1,800.0	1,800.0	1,800.0	3.8	3.8	-89.27	0.4	-30.0	30.0	23.5	6.47	4.632		
1,900.0	1,900.0	1,900.0	1,900.0	3.9	3.9	-89.27	0.4	-30.0	30.0	23.4	6.52	4.594		
2,000.0	2,000.0	2,000.0	2,000.0	3.9	3.9	-89.27	0.4	-30.0	30.0	23.4	6.58	4.555		
2,100.0	2,100.0	2,100.0	2,100.0	4.0	4.0	-89.27	0.4	-30.0	30.0	23.3	6.64	4.515		
2,200.0	2,200.0	2,200.0	2,200.0	4.1	4.1	-89.27	0.4	-30.0	30.0	23.3	6.70	4.473		
2,300.0	2,300.0	2,300.0	2,300.0	4.2	4.2	-89.27	0.4	-30.0	30.0	23.2	6.76	4.432		
2,400.0	2,400.0	2,400.0	2,400.0	4.3	4.3	-89.27	0.4	-30.0	30.0	23.1	6.83	4.389		
2,500.0	2,500.0	2,500.0	2,500.0	4.4	4.4	-89.27	0.4	-30.0	30.0	23.1	6.90	4.346 CC, ES		
2,600.0	2,600.0	2,600.0	2,600.0	4.4	4.5	163.65	0.4	-30.0	31.6	24.7	6.97	4.542		
2,650.0	2,649.9	2,649.9	2,649.9	4.5	4.5	164.68	0.4	-30.0	33.7	26.7	7.00	4.817		
2,700.0	2,699.9	2,699.9	2,699.9	4.5	4.6	165.77	0.4	-30.0	36.3	29.2	7.04	5.150		
2,800.0	2,799.7	2,799.7	2,799.7	4.5	4.7	167.55	0.4	-30.0	41.4	34.2	7.12	5.806		
2,900.0	2,899.6	2,899.6	2,899.6	4.5	4.8	168.94	0.4	-30.0	46.5	39.3	7.21	6.449		
3,000.0	2,999.5	2,999.5	2,999.5	4.5	4.9	170.06	0.4	-30.0	51.6	44.3	7.30	7.077		
3,100.0	3,099.3	3,099.3	3,099.3	4.5	5.0	170.97	0.4	-30.0	56.8	49.4	7.39	7.689		
3,200.0	3,199.2	3,199.2	3,199.2	4.6	5.1	171.73	0.4	-30.0	62.0	54.5	7.48	8.284		
3,300.0	3,299.0	3,299.0	3,299.0	4.6	5.2	172.37	0.4	-30.0	67.2	59.6	7.58	8.861		
3,400.0	3,398.9	3,398.9	3,398.9	4.6	5.3	172.92	0.4	-30.0	72.4	64.7	7.68	9.420		
3,500.0	3,498.8	3,498.8	3,498.8	4.7	5.4	173.40	0.4	-30.0	77.5	69.8	7.79	9.960		
3,600.0	3,598.6	3,598.6	3,598.6	4.7	5.5	173.82	0.4	-30.0	82.7	74.9	7.89	10.482		
3,700.0	3,698.5	3,698.5	3,698.5	4.8	5.7	174.18	0.4	-30.0	88.0	79.9	8.01	10.985		
3,800.0	3,798.4	3,798.4	3,798.4	4.8	5.8	174.51	0.4	-30.0	93.2	85.0	8.12	11.470		
3,900.0	3,898.2	3,898.2	3,898.2	4.9	5.9	174.80	0.4	-30.0	98.4	90.1	8.24	11.936		
4,000.0	3,998.1	3,998.1	3,998.1	4.9	6.0	175.06	0.4	-30.0	103.6	95.2	8.36	12.385		
4,100.0	4,097.9	4,097.9	4,097.9	5.0	6.1	175.30	0.4	-30.0	108.8	100.3	8.49	12.815		
4,200.0	4,197.8	4,197.8	4,197.8	5.0	6.2	175.52	0.4	-30.0	114.0	105.4	8.62	13.229		
4,300.0	4,297.7	4,297.7	4,297.7	5.1	6.3	175.71	0.4	-30.0	119.2	110.5	8.75	13.626		
4,400.0	4,397.5	4,397.5	4,397.5	5.2	6.5	175.89	0.4	-30.0	124.5	115.6	8.89	14.006		
4,500.0	4,497.4	4,497.4	4,497.4	5.2	6.6	176.06	0.4	-30.0	129.7	120.7	9.02	14.371		
4,600.0	4,597.3	4,597.3	4,597.3	5.3	6.7	176.21	0.4	-30.0	134.9	125.7	9.16	14.721		
4,700.0	4,697.1	4,697.1	4,697.1	5.4	6.8	176.35	0.4	-30.0	140.1	130.8	9.31	15.056		
4,800.0	4,797.0	4,797.0	4,797.0	5.5	6.9	176.48	0.4	-30.0	145.3	135.9	9.45	15.377		
4,900.0	4,896.8	4,896.8	4,896.8	5.5	7.0	176.61	0.4	-30.0	150.6	141.0	9.60	15.684		
5,000.0	4,996.7	4,996.7	4,996.7	5.6	7.2	176.72	0.4	-30.0	155.8	146.0	9.75	15.979		
5,100.0	5,096.6	5,096.6	5,096.6	5.7	7.3	176.83	0.4	-30.0	161.0	151.1	9.90	16.261		
5,200.0	5,196.4	5,196.4	5,196.4	5.8	7.4	176.93	0.4	-30.0	166.2	156.2	10.06	16.531		
5,300.0	5,296.3	5,296.3	5,296.3	5.9	7.5	177.02	0.4	-30.0	171.5	161.3	10.21	16.790		
5,400.0	5,396.2	5,396.2	5,396.2	5.9	7.6	177.11	0.4	-30.0	176.7	166.3	10.37	17.038		
5,500.0	5,496.0	5,496.0	5,496.0	6.0	7.8	177.19	0.4	-30.0	181.9	171.4	10.53	17.276		
5,600.0	5,595.9	5,595.5	5,597.5	6.1	7.8	176.78	-1.3	-30.0	186.7	176.1	10.68	17.488		
5,700.0	5,695.8	5,698.8	5,698.6	6.2	7.8	175.35	-6.5	-30.0	190.7	179.9	10.81	17.638		
5,800.0	5,795.6	5,798.5	5,798.2	6.3	7.7	173.61	-13.0	-30.0	194.5	183.5	10.96	17.754		
5,900.0	5,895.5	5,898.3	5,897.7	6.4	7.7	171.94	-19.5	-30.0	198.5	187.4	11.11	17.865		
6,000.0	5,995.3	5,998.1	5,997.3	6.5	7.6	170.33	-26.0	-30.0	202.6	191.3	11.27	17.972		
6,100.0	6,095.2	6,097.8	6,096.8	6.6	7.6	168.79	-32.5	-30.0	206.9	195.5	11.44	18.078		
6,200.0	6,195.1	6,197.6	6,196.3	6.7	7.5	167.31	-39.0	-30.0	211.3	199.7	11.62	18.183		
6,300.0	6,294.9	6,297.3	6,295.9	6.8	7.5	165.90	-45.5	-30.0	215.9	204.1	11.80	18.289		
6,400.0	6,394.8	6,397.1	6,395.4	6.9	7.5	164.54	-52.0	-30.0	220.6	208.6	11.99	18.398		
6,500.0	6,494.7	6,496.8	6,495.0	7.0	7.4	163.24	-58.5	-30.0	225.4	213.2	12.18	18.509		

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

Concho Resources LLC

Anticollision Report

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Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

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Survey Program: 0-Standard Keeper 104, 8712-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		
6,600.0	6,594.5	6,596.6	6,594.5	7.1	7.4	162.00	-65.0	-30.0	230.3	218.0	12.37	18.623		
6,700.0	6,694.4	6,696.3	6,694.1	7.2	7.4	160.80	-71.5	-30.0	235.3	222.8	12.56	18.741		
6,800.0	6,794.2	6,796.1	6,793.6	7.3	7.4	159.66	-78.0	-30.0	240.5	227.7	12.75	18.862		
6,900.0	6,894.1	6,895.9	6,893.2	7.4	7.3	158.57	-84.5	-30.0	245.7	232.7	12.94	18.986		
7,000.0	6,994.0	6,995.6	6,992.7	7.5	7.3	157.52	-91.0	-30.0	251.0	237.9	13.13	19.115		
7,100.0	7,093.8	7,095.4	7,092.2	7.6	7.3	156.51	-97.5	-30.0	256.4	243.0	13.32	19.246		
7,200.0	7,193.7	7,195.1	7,191.8	7.7	7.3	155.55	-104.0	-30.0	261.8	248.3	13.51	19.381		
7,300.0	7,293.6	7,294.9	7,291.3	7.8	7.3	154.63	-110.5	-30.0	267.4	253.7	13.70	19.518		
7,400.0	7,393.4	7,394.6	7,390.9	7.9	7.2	153.74	-117.0	-30.0	272.9	259.1	13.88	19.659		
7,500.0	7,493.3	7,494.4	7,490.4	8.0	7.2	152.89	-123.5	-30.0	278.6	264.5	14.07	19.801		
7,600.0	7,593.1	7,594.2	7,590.0	8.1	7.2	152.07	-130.0	-30.0	284.3	270.1	14.25	19.946		
7,700.0	7,693.0	7,693.9	7,689.5	8.2	7.2	151.29	-136.6	-30.0	290.1	275.7	14.44	20.092		
7,800.0	7,792.9	7,793.7	7,789.0	8.4	7.2	150.53	-143.1	-30.0	295.9	281.3	14.62	20.240		
7,900.0	7,892.7	7,893.4	7,888.6	8.5	7.2	149.81	-149.6	-30.0	301.8	287.0	14.80	20.389		
8,000.0	7,992.6	7,993.2	7,988.1	8.6	7.2	149.11	-156.1	-30.0	307.7	292.7	14.98	20.539		
8,100.0	8,092.5	8,092.9	8,087.7	8.7	7.2	148.44	-162.6	-30.0	313.7	298.5	15.16	20.690		
8,200.0	8,192.3	8,192.7	8,187.2	8.8	7.2	147.80	-169.1	-30.0	319.7	304.3	15.34	20.841		
8,300.0	8,292.2	8,292.4	8,286.8	8.9	7.2	147.18	-175.6	-30.0	325.7	310.2	15.52	20.992		
8,400.0	8,392.1	8,392.2	8,386.3	9.0	7.3	146.58	-182.1	-30.0	331.8	316.1	15.69	21.143		
8,500.0	8,491.9	8,492.0	8,485.9	9.1	7.3	146.00	-188.6	-30.0	337.9	322.0	15.87	21.294		
8,600.0	8,591.8	8,591.7	8,585.4	9.3	7.3	145.44	-195.1	-30.0	344.1	328.0	16.04	21.444		
8,700.0	8,691.6	8,691.5	8,684.9	9.4	7.3	144.91	-201.6	-30.0	350.2	334.0	16.22	21.594		
8,712.5	8,704.1	8,703.9	8,697.4	9.4	7.3	144.84	-202.4	-30.0	351.0	334.8	16.25	21.605		
8,750.0	8,741.5	8,736.9	8,730.2	9.4	7.4	118.57	-205.1	-30.0	353.7	337.4	16.28	21.724		
8,800.0	8,790.9	8,779.0	8,771.9	9.4	7.5	108.98	-211.2	-30.0	358.7	342.4	16.33	21.968		
8,850.0	8,839.5	8,820.9	8,812.7	9.4	7.5	104.92	-220.3	-29.9	365.4	349.0	16.40	22.274		
8,900.0	8,886.9	8,862.4	8,852.6	9.4	7.6	102.48	-232.2	-29.9	373.6	357.1	16.51	22.636		
8,950.0	8,932.8	8,900.0	8,887.7	9.4	7.6	100.67	-245.5	-29.8	383.4	366.7	16.68	22.991		
9,000.0	8,976.8	8,944.7	8,928.3	9.5	7.7	99.26	-264.2	-29.7	394.5	377.7	16.77	23.520		
9,050.0	9,018.5	8,985.4	8,963.8	9.5	7.7	97.98	-284.0	-29.7	407.0	390.1	16.93	24.041		
9,100.0	9,057.7	9,025.8	8,997.7	9.6	7.8	96.80	-306.0	-29.6	420.7	403.7	17.09	24.613		
9,150.0	9,094.0	9,065.9	9,029.7	9.6	7.8	95.66	-330.2	-29.5	435.6	418.4	17.26	25.236		
9,200.0	9,127.3	9,105.8	9,059.7	9.7	7.9	94.55	-356.5	-29.3	451.6	434.2	17.43	25.905		
9,250.0	9,157.1	9,145.5	9,087.7	9.8	8.0	93.45	-384.6	-29.2	468.5	450.9	17.60	26.613		
9,300.0	9,183.3	9,185.1	9,113.6	9.9	8.1	92.36	-414.5	-29.1	486.3	468.5	17.78	27.350		
9,350.0	9,205.7	9,224.6	9,137.4	10.1	8.1	91.27	-446.0	-28.9	504.8	486.8	17.96	28.108		
9,400.0	9,224.2	9,264.1	9,158.9	10.2	8.2	90.19	-479.1	-28.8	523.9	505.8	18.14	28.874		
9,450.0	9,238.5	9,303.7	9,178.2	10.4	8.3	89.11	-513.8	-28.6	543.6	525.2	18.34	29.635		
9,500.0	9,248.6	9,343.6	9,195.1	10.6	8.4	88.06	-549.8	-28.4	563.6	545.1	18.56	30.369		
9,550.0	9,254.5	9,383.7	9,209.5	10.8	8.4	87.03	-587.3	-28.3	584.0	565.2	18.80	31.061		
9,591.8	9,256.0	9,417.7	9,219.7	11.0	8.5	86.20	-619.7	-28.1	601.1	582.1	19.02	31.601		
9,600.0	9,256.0	9,424.4	9,221.4	11.0	8.5	86.41	-626.2	-28.1	604.5	585.4	19.07	31.701		
9,700.0	9,256.0	9,510.1	9,237.4	11.5	8.6	88.20	-710.3	-27.7	644.6	624.9	19.78	32.592		
9,800.0	9,256.0	9,600.8	9,241.0	12.0	8.9	88.65	-800.8	-27.2	682.3	661.6	20.67	33.000		
9,900.0	9,256.0	9,694.6	9,241.0	12.6	9.4	88.73	-894.7	-26.8	716.7	695.0	21.70	33.024		
10,000.0	9,256.0	9,789.7	9,241.0	13.2	10.0	88.80	-989.7	-26.3	747.9	725.0	22.82	32.776		
10,100.0	9,256.0	9,885.7	9,241.0	13.9	10.6	88.85	-1,085.8	-25.8	775.7	751.7	24.01	32.311		
10,200.0	9,256.0	9,982.7	9,241.0	14.5	11.2	88.90	-1,182.7	-25.4	800.1	774.9	25.26	31.675		
10,300.0	9,256.0	10,080.4	9,241.0	15.2	11.9	88.94	-1,280.5	-24.9	821.2	794.6	26.57	30.908		
10,400.0	9,256.0	10,178.8	9,241.0	15.9	12.6	88.96	-1,378.9	-24.4	838.8	810.9	27.92	30.041		
10,500.0	9,256.0	10,277.8	9,241.0	16.6	13.3	88.99	-1,477.9	-23.9	853.0	823.7	29.31	29.098		

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	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		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	
10,600.0	9,256.0	10,377.2	9,241.0	17.3	14.0	89.00	-1,577.3	-23.4	863.7	833.0	30.74	28.100	
10,700.0	9,256.0	10,477.0	9,241.0	18.0	14.8	89.01	-1,677.0	-22.9	871.0	838.8	32.18	27.061	
10,800.0	9,256.0	10,576.9	9,241.0	18.7	15.5	89.02	-1,777.0	-22.5	874.7	841.1	33.65	25.993	
10,857.6	9,256.0	10,634.5	9,241.0	19.1	16.0	89.02	-1,834.6	-22.2	875.3	840.8	34.50	25.369	
10,900.0	9,256.0	10,676.9	9,241.0	19.4	16.3	89.02	-1,876.9	-22.0	875.3	840.2	35.13	24.916	
11,000.0	9,256.0	10,776.9	9,241.0	20.1	17.1	89.02	-1,976.9	-21.5	875.3	838.7	36.63	23.894	
11,100.0	9,256.0	10,876.9	9,241.0	20.8	17.9	89.02	-2,076.9	-21.0	875.3	837.2	38.15	22.942	
11,200.0	9,256.0	10,976.9	9,241.0	21.5	18.7	89.02	-2,176.9	-20.5	875.3	835.6	39.69	22.054	
11,300.0	9,256.0	11,076.9	9,241.0	22.3	19.5	89.02	-2,276.9	-20.0	875.3	834.1	41.24	21.225	
11,400.0	9,256.0	11,176.9	9,241.0	23.0	20.3	89.02	-2,376.9	-19.5	875.3	832.5	42.80	20.449	
11,500.0	9,256.0	11,276.9	9,241.0	23.7	21.1	89.02	-2,476.9	-19.0	875.3	831.0	44.38	19.724	
11,600.0	9,256.0	11,376.9	9,241.0	24.5	21.9	89.02	-2,576.9	-18.5	875.3	829.4	45.97	19.043	
11,700.0	9,256.0	11,476.9	9,241.0	25.3	22.7	89.02	-2,676.9	-18.1	875.3	827.8	47.56	18.405	
11,800.0	9,256.0	11,576.9	9,241.0	26.0	23.5	89.02	-2,776.9	-17.6	875.3	826.2	49.16	17.804	
11,900.0	9,256.0	11,676.9	9,241.0	26.8	24.4	89.02	-2,876.9	-17.1	875.4	824.6	50.78	17.240	
12,000.0	9,256.0	11,776.9	9,241.0	27.6	25.2	89.02	-2,976.9	-16.6	875.4	823.0	52.39	16.707	
12,100.0	9,256.0	11,876.9	9,241.0	28.4	26.0	89.02	-3,076.9	-16.1	875.4	821.3	54.02	16.205	
12,200.0	9,256.0	11,976.9	9,241.0	29.2	26.9	89.02	-3,176.9	-15.6	875.4	819.7	55.65	15.730	
12,300.0	9,256.0	12,076.9	9,241.0	30.0	27.7	89.02	-3,276.9	-15.1	875.4	818.1	57.29	15.281	
12,400.0	9,256.0	12,176.9	9,241.0	30.8	28.5	89.02	-3,376.9	-14.6	875.4	816.5	58.93	14.856	
12,500.0	9,256.0	12,276.9	9,241.0	31.6	29.4	89.02	-3,476.9	-14.1	875.4	814.8	60.57	14.452	
12,600.0	9,256.0	12,376.9	9,241.0	32.4	30.2	89.02	-3,576.9	-13.7	875.4	813.2	62.22	14.069	
12,700.0	9,256.0	12,476.9	9,241.0	33.2	31.0	89.02	-3,676.9	-13.2	875.4	811.5	63.87	13.705	
12,800.0	9,256.0	12,576.9	9,241.0	34.0	31.9	89.02	-3,776.9	-12.7	875.4	809.9	65.53	13.359	
12,900.0	9,256.0	12,676.9	9,241.0	34.8	32.7	89.02	-3,876.9	-12.2	875.4	808.2	67.19	13.029	
13,000.0	9,256.0	12,776.9	9,241.0	35.6	33.5	89.02	-3,976.9	-11.7	875.4	806.6	68.85	12.714	
13,100.0	9,256.0	12,876.9	9,241.0	36.4	34.4	89.02	-4,076.9	-11.2	875.4	804.9	70.52	12.414	
13,200.0	9,256.0	12,976.9	9,241.0	37.2	35.2	89.02	-4,176.9	-10.7	875.4	803.2	72.19	12.127	
13,300.0	9,256.0	13,076.9	9,241.0	38.1	36.1	89.02	-4,276.9	-10.2	875.4	801.6	73.86	11.853	
13,400.0	9,256.0	13,176.9	9,241.0	38.9	36.9	89.02	-4,376.9	-9.7	875.4	799.9	75.53	11.590	
13,500.0	9,256.0	13,276.9	9,241.0	39.7	37.8	89.02	-4,476.9	-9.3	875.4	798.2	77.21	11.339	
13,600.0	9,256.0	13,376.9	9,241.0	40.5	38.6	89.02	-4,576.9	-8.8	875.5	796.6	78.88	11.098	
13,700.0	9,256.0	13,476.9	9,241.0	41.4	39.5	89.02	-4,676.9	-8.3	875.5	794.9	80.56	10.867	
13,800.0	9,256.0	13,576.9	9,241.0	42.2	40.3	89.02	-4,776.9	-7.8	875.5	793.2	82.24	10.645	
13,900.0	9,256.0	13,676.9	9,241.0	43.0	41.2	89.02	-4,876.9	-7.3	875.5	791.5	83.93	10.431	
14,000.0	9,256.0	13,776.9	9,241.0	43.9	42.0	89.02	-4,976.9	-6.8	875.5	789.9	85.61	10.226	
14,100.0	9,256.0	13,876.9	9,241.0	44.7	42.9	89.02	-5,076.9	-6.3	875.5	788.2	87.30	10.029	
14,200.0	9,256.0	13,976.9	9,241.0	45.5	43.7	89.02	-5,176.9	-5.8	875.5	786.5	88.98	9.839	
14,300.0	9,256.0	14,076.9	9,241.0	46.4	44.6	89.02	-5,276.9	-5.3	875.5	784.8	90.67	9.656	
14,400.0	9,256.0	14,176.9	9,241.0	47.2	45.4	89.02	-5,376.9	-4.9	875.5	783.1	92.36	9.479	
14,500.0	9,256.0	14,276.9	9,241.0	48.0	46.3	89.02	-5,476.9	-4.4	875.5	781.4	94.05	9.309	
14,600.0	9,256.0	14,376.9	9,241.0	48.9	47.1	89.02	-5,576.9	-3.9	875.5	779.8	95.74	9.144	
14,700.0	9,256.0	14,476.9	9,241.0	49.7	48.0	89.02	-5,676.9	-3.4	875.5	778.1	97.44	8.985	
14,800.0	9,256.0	14,576.9	9,241.0	50.5	48.8	89.02	-5,776.9	-2.9	875.5	776.4	99.13	8.832	
14,900.0	9,256.0	14,676.9	9,241.0	51.4	49.7	89.02	-5,876.9	-2.4	875.5	774.7	100.83	8.683	
15,000.0	9,256.0	14,776.9	9,241.0	52.2	50.5	89.02	-5,976.9	-1.9	875.5	773.0	102.52	8.540	
15,100.0	9,256.0	14,876.9	9,241.0	53.1	51.4	89.02	-6,076.9	-1.4	875.5	771.3	104.22	8.401	
15,200.0	9,256.0	14,976.9	9,241.0	53.9	52.2	89.02	-6,176.9	-1.0	875.5	769.6	105.92	8.266	
15,300.0	9,256.0	15,076.9	9,241.0	54.7	53.1	89.02	-6,276.9	-0.5	875.5	767.9	107.61	8.136	
15,400.0	9,256.0	15,176.9	9,241.0	55.6	53.9	89.02	-6,376.9	0.0	875.6	766.2	109.31	8.010	
15,500.0	9,256.0	15,276.9	9,241.0	56.4	54.8	89.02	-6,476.9	0.5	875.6	764.5	111.01	7.887	

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	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		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	
15,600.0	9,256.0	15,376.9	9,241.0	57.3	55.6	89.02	-6,576.9	1.0	875.6	762.9	112.71	7.768	
15,700.0	9,256.0	15,476.9	9,241.0	58.1	56.5	89.02	-6,676.9	1.5	875.6	761.2	114.42	7.653	
15,800.0	9,256.0	15,576.9	9,241.0	59.0	57.4	89.02	-6,776.9	2.0	875.6	759.5	116.12	7.540	
15,900.0	9,256.0	15,676.9	9,241.0	59.8	58.2	89.02	-6,876.9	2.5	875.6	757.8	117.82	7.432	
16,000.0	9,256.0	15,776.9	9,241.0	60.6	59.1	89.02	-6,976.9	3.0	875.6	756.1	119.52	7.326	
16,100.0	9,256.0	15,876.9	9,241.0	61.5	59.9	89.02	-7,076.9	3.4	875.6	754.4	121.23	7.223	
16,200.0	9,256.0	15,976.9	9,241.0	62.3	60.8	89.02	-7,176.9	3.9	875.6	752.7	122.93	7.123	
16,300.0	9,256.0	16,076.9	9,241.0	63.2	61.6	89.02	-7,276.9	4.4	875.6	751.0	124.63	7.025	
16,400.0	9,256.0	16,176.9	9,241.0	64.0	62.5	89.02	-7,376.9	4.9	875.6	749.3	126.34	6.931	
16,500.0	9,256.0	16,276.9	9,241.0	64.9	63.3	89.02	-7,476.9	5.4	875.6	747.6	128.04	6.838	
16,600.0	9,256.0	16,376.9	9,241.0	65.7	64.2	89.02	-7,576.9	5.9	875.6	745.9	129.75	6.748	
16,700.0	9,256.0	16,476.9	9,241.0	66.6	65.1	89.02	-7,676.9	6.4	875.6	744.2	131.46	6.661	
16,800.0	9,256.0	16,576.9	9,241.0	67.4	65.9	89.02	-7,776.9	6.9	875.6	742.5	133.16	6.576	
16,900.0	9,256.0	16,676.9	9,241.0	68.3	66.8	89.02	-7,876.9	7.4	875.6	740.8	134.87	6.492	
17,000.0	9,256.0	16,776.9	9,241.0	69.1	67.6	89.02	-7,976.9	7.8	875.6	739.1	136.58	6.411	
17,100.0	9,256.0	16,876.9	9,241.0	70.0	68.5	89.02	-8,076.9	8.3	875.7	737.4	138.29	6.332	
17,200.0	9,256.0	16,976.9	9,241.0	70.8	69.3	89.02	-8,176.9	8.8	875.7	735.7	139.99	6.255	
17,300.0	9,256.0	17,076.9	9,241.0	71.7	70.2	89.02	-8,276.9	9.3	875.7	734.0	141.70	6.180	
17,400.0	9,256.0	17,176.9	9,241.0	72.5	71.0	89.02	-8,376.9	9.8	875.7	732.3	143.41	6.106	
17,500.0	9,256.0	17,276.9	9,241.0	73.4	71.9	89.02	-8,476.9	10.3	875.7	730.6	145.12	6.034	
17,600.0	9,256.0	17,376.9	9,241.0	74.2	72.8	89.02	-8,576.9	10.8	875.7	728.8	146.83	5.964	
17,700.0	9,256.0	17,476.9	9,241.0	75.1	73.6	89.02	-8,676.9	11.3	875.7	727.1	148.54	5.895	
17,800.0	9,256.0	17,576.9	9,241.0	75.9	74.5	89.02	-8,776.9	11.8	875.7	725.4	150.25	5.828	
17,900.0	9,256.0	17,676.9	9,241.0	76.8	75.3	89.02	-8,876.9	12.2	875.7	723.7	151.96	5.763	
18,000.0	9,256.0	17,776.9	9,241.0	77.6	76.2	89.02	-8,976.9	12.7	875.7	722.0	153.67	5.699	
18,100.0	9,256.0	17,876.9	9,241.0	78.5	77.0	89.02	-9,076.9	13.2	875.7	720.3	155.38	5.636	
18,200.0	9,256.0	17,976.9	9,241.0	79.3	77.9	89.02	-9,176.9	13.7	875.7	718.6	157.09	5.574	
18,300.0	9,256.0	18,076.9	9,241.0	80.2	78.8	89.02	-9,276.9	14.2	875.7	716.9	158.80	5.514	
18,400.0	9,256.0	18,176.9	9,241.0	81.0	79.6	89.02	-9,376.9	14.7	875.7	715.2	160.52	5.456	
18,500.0	9,256.0	18,276.9	9,241.0	81.9	80.5	89.02	-9,476.9	15.2	875.7	713.5	162.23	5.398	
18,600.0	9,256.0	18,376.9	9,241.0	82.7	81.3	89.02	-9,576.9	15.7	875.7	711.8	163.94	5.342	
18,700.0	9,256.0	18,476.9	9,241.0	83.6	82.2	89.02	-9,676.9	16.1	875.7	710.1	165.65	5.287	
18,800.0	9,256.0	18,576.9	9,241.0	84.5	83.1	89.02	-9,776.9	16.6	875.7	708.4	167.37	5.233	
18,900.0	9,256.0	18,676.9	9,241.0	85.3	83.9	89.02	-9,876.8	17.1	875.8	706.7	169.08	5.180	
19,000.0	9,256.0	18,776.9	9,241.0	86.2	84.8	89.02	-9,976.8	17.6	875.8	705.0	170.79	5.128	
19,100.0	9,256.0	18,876.9	9,241.0	87.0	85.6	89.02	-10,076.8	18.1	875.8	703.3	172.50	5.077	
19,200.0	9,256.0	18,976.9	9,241.0	87.9	86.5	89.02	-10,176.8	18.6	875.8	701.6	174.22	5.027	
19,300.0	9,256.0	19,076.9	9,241.0	88.7	87.3	89.02	-10,276.8	19.1	875.8	699.8	175.93	4.978	
19,400.0	9,256.0	19,176.9	9,241.0	89.6	88.2	89.02	-10,376.8	19.6	875.8	698.1	177.64	4.930	
19,500.0	9,256.0	19,276.9	9,241.0	90.4	89.1	89.02	-10,476.8	20.1	875.8	696.4	179.36	4.883	
19,600.0	9,256.0	19,376.9	9,241.0	91.3	89.9	89.02	-10,576.8	20.5	875.8	694.7	181.07	4.837	
19,700.0	9,256.0	19,476.9	9,241.0	92.1	90.8	89.02	-10,676.8	21.0	875.8	693.0	182.79	4.791	
19,800.0	9,256.0	19,576.9	9,241.0	93.0	91.6	89.02	-10,776.8	21.5	875.8	691.3	184.50	4.747	
19,900.0	9,256.0	19,676.9	9,241.0	93.8	92.5	89.02	-10,876.8	22.0	875.8	689.6	186.21	4.703	
20,000.0	9,256.0	19,776.9	9,241.0	94.7	93.4	89.02	-10,976.8	22.5	875.8	687.9	187.93	4.660	
20,100.0	9,256.0	19,876.9	9,241.0	95.6	94.2	89.02	-11,076.8	23.0	875.8	686.2	189.64	4.618	
20,200.0	9,256.0	19,976.9	9,241.0	96.4	95.1	89.02	-11,176.8	23.5	875.8	684.5	191.36	4.577	
20,300.0	9,256.0	20,076.9	9,241.0	97.3	95.9	89.02	-11,276.8	24.0	875.8	682.8	193.07	4.536	
20,400.0	9,256.0	20,176.9	9,241.0	98.1	96.8	89.02	-11,376.8	24.5	875.8	681.0	194.79	4.496	
20,500.0	9,256.0	20,276.9	9,241.0	99.0	97.6	89.02	-11,476.8	24.9	875.8	679.3	196.50	4.457	
20,600.0	9,256.0	20,376.9	9,241.0	99.8	98.5	89.02	-11,576.8	25.4	875.8	677.6	198.22	4.419	

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	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		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	
20,700.0	9,256.0	20,476.9	9,241.0	100.7	99.4	89.02	-11,676.8	25.9	875.9	675.9	199.93	4.381		
20,800.0	9,256.0	20,576.9	9,241.0	101.5	100.2	89.02	-11,776.8	26.4	875.9	674.2	201.65	4.343		
20,900.0	9,256.0	20,676.9	9,241.0	102.4	101.1	89.02	-11,876.8	26.9	875.9	672.5	203.37	4.307		
21,000.0	9,256.0	20,776.9	9,241.0	103.3	101.9	89.02	-11,976.8	27.4	875.9	670.8	205.08	4.271		
21,100.0	9,256.0	20,876.9	9,241.0	104.1	102.8	89.02	-12,076.8	27.9	875.9	669.1	206.80	4.235		
21,200.0	9,256.0	20,976.9	9,241.0	105.0	103.7	89.02	-12,176.8	28.4	875.9	667.4	208.51	4.201		
21,300.0	9,256.0	21,076.9	9,241.0	105.8	104.5	89.02	-12,276.8	28.9	875.9	665.7	210.23	4.166		
21,400.0	9,256.0	21,176.9	9,241.0	106.7	105.4	89.02	-12,376.8	29.3	875.9	663.9	211.95	4.133		
21,500.0	9,256.0	21,276.9	9,241.0	107.5	106.2	89.02	-12,476.8	29.8	875.9	662.2	213.66	4.099		
21,600.0	9,256.0	21,376.9	9,241.0	108.4	107.1	89.02	-12,576.8	30.3	875.9	660.5	215.38	4.067		
21,700.0	9,256.0	21,476.9	9,241.0	109.3	108.0	89.02	-12,676.8	30.8	875.9	658.8	217.10	4.035		
21,800.0	9,256.0	21,576.9	9,241.0	110.1	108.8	89.02	-12,776.8	31.3	875.9	657.1	218.81	4.003		
21,900.0	9,256.0	21,676.9	9,241.0	111.0	109.7	89.02	-12,876.8	31.8	875.9	655.4	220.53	3.972		
22,000.0	9,256.0	21,776.9	9,241.0	111.8	110.5	89.02	-12,976.8	32.3	875.9	653.7	222.25	3.941		
22,100.0	9,256.0	21,876.9	9,241.0	112.7	111.4	89.02	-13,076.8	32.8	875.9	652.0	223.96	3.911		
22,200.0	9,256.0	21,976.9	9,241.0	113.5	112.3	89.02	-13,176.8	33.3	875.9	650.3	225.68	3.881		
22,300.0	9,256.0	22,076.9	9,241.0	114.4	113.1	89.02	-13,276.8	33.7	875.9	648.5	227.40	3.852		
22,400.0	9,256.0	22,176.9	9,241.0	115.3	114.0	89.02	-13,376.8	34.2	876.0	646.8	229.11	3.823		
22,500.0	9,256.0	22,276.9	9,241.0	116.1	114.8	89.02	-13,476.8	34.7	876.0	645.1	230.83	3.795		
22,600.0	9,256.0	22,376.9	9,241.0	117.0	115.7	89.02	-13,576.8	35.2	876.0	643.4	232.55	3.767		
22,700.0	9,256.0	22,476.9	9,241.0	117.8	116.6	89.02	-13,676.8	35.7	876.0	641.7	234.27	3.739		
22,800.0	9,256.0	22,576.9	9,241.0	118.7	117.4	89.02	-13,776.8	36.2	876.0	640.0	235.98	3.712		
22,900.0	9,256.0	22,676.9	9,241.0	119.5	118.3	89.02	-13,876.8	36.7	876.0	638.3	237.70	3.685		
23,000.0	9,256.0	22,776.9	9,241.0	120.4	119.1	89.02	-13,976.8	37.2	876.0	636.6	239.42	3.659		
23,100.0	9,256.0	22,876.9	9,241.0	121.3	120.0	89.02	-14,076.8	37.6	876.0	634.9	241.14	3.633		
23,200.0	9,256.0	22,976.9	9,241.0	122.1	120.9	89.02	-14,176.8	38.1	876.0	633.1	242.85	3.607		
23,300.0	9,256.0	23,076.9	9,241.0	123.0	121.7	89.02	-14,276.8	38.6	876.0	631.4	244.57	3.582		
23,400.0	9,256.0	23,176.9	9,241.0	123.8	122.6	89.02	-14,376.8	39.1	876.0	629.7	246.29	3.557		
23,500.0	9,256.0	23,276.9	9,241.0	124.7	123.4	89.02	-14,476.8	39.6	876.0	628.0	248.01	3.532		
23,600.0	9,256.0	23,376.9	9,241.0	125.5	124.3	89.02	-14,576.8	40.1	876.0	626.3	249.72	3.508		
23,700.0	9,256.0	23,476.9	9,241.0	126.4	125.2	89.02	-14,676.8	40.6	876.0	624.6	251.44	3.484		
23,800.0	9,256.0	23,576.9	9,241.0	127.3	126.0	89.02	-14,776.8	41.1	876.0	622.9	253.16	3.460		
23,900.0	9,256.0	23,676.9	9,241.0	128.1	126.9	89.02	-14,876.8	41.6	876.0	621.2	254.88	3.437		
24,000.0	9,256.0	23,776.9	9,241.0	129.0	127.7	89.02	-14,976.8	42.0	876.0	619.4	256.60	3.414		
24,100.0	9,256.0	23,876.9	9,241.0	129.8	128.6	89.02	-15,076.8	42.5	876.0	617.7	258.31	3.391		
24,200.0	9,256.0	23,976.9	9,241.0	130.7	129.5	89.02	-15,176.8	43.0	876.1	616.0	260.03	3.369		
24,300.0	9,256.0	24,076.9	9,241.0	131.5	130.3	89.02	-15,276.8	43.5	876.1	614.3	261.75	3.347		
24,400.0	9,256.0	24,176.9	9,241.0	132.4	131.2	89.02	-15,376.8	44.0	876.1	612.6	263.47	3.325		
24,500.0	9,256.0	24,276.9	9,241.0	133.3	132.0	89.02	-15,476.8	44.5	876.1	610.9	265.19	3.304		
24,600.0	9,256.0	24,376.9	9,241.0	134.1	132.9	89.02	-15,576.8	45.0	876.1	609.2	266.91	3.282		
24,700.0	9,256.0	24,476.9	9,241.0	135.0	133.8	89.02	-15,676.8	45.5	876.1	607.5	268.63	3.261		
24,800.0	9,256.0	24,576.9	9,241.0	135.8	134.6	89.02	-15,776.8	46.0	876.1	605.7	270.34	3.241		
24,900.0	9,256.0	24,676.9	9,241.0	136.7	135.5	89.02	-15,876.8	46.4	876.1	604.0	272.06	3.220		
25,000.0	9,256.0	24,776.9	9,241.0	137.6	136.3	89.02	-15,976.8	46.9	876.1	602.3	273.78	3.200		
25,100.0	9,256.0	24,876.9	9,241.0	138.4	137.2	89.02	-16,076.8	47.4	876.1	600.6	275.50	3.180		
25,200.0	9,256.0	24,976.9	9,241.0	139.3	138.1	89.02	-16,176.8	47.9	876.1	598.9	277.22	3.160		
25,204.8	9,256.0	24,981.6	9,241.0	139.3	138.1	89.02	-16,181.5	47.9	876.1	598.8	277.30	3.159		
25,262.5	9,256.0	25,038.6	9,241.0	139.8	138.6	89.02	-16,238.5	48.2	876.1	597.8	278.28	3.148 SF		

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

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COMPASS 5000.15 Build 91E

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design		MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #706H - OWB - PWP2											Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Reference		Offset		Semi Major Axis						Distance				
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
0.0	0.0	0.0	0.0	3.0	3.0	-89.13	0.9	-59.9	59.9					
100.0	100.0	100.0	100.0	3.0	3.0	-89.13	0.9	-59.9	59.9	53.9	6.00	9.975		
200.0	200.0	200.0	200.0	3.0	3.0	-89.13	0.9	-59.9	59.9	53.8	6.04	9.913		
300.0	300.0	300.0	300.0	3.0	3.1	-89.13	0.9	-59.9	59.9	53.8	6.12	9.783		
400.0	400.0	400.0	400.0	3.0	3.2	-89.13	0.9	-59.9	59.9	53.6	6.24	9.595		
500.0	500.0	500.0	500.0	3.1	3.4	-89.13	0.9	-59.9	59.9	53.5	6.40	9.361		
600.0	600.0	600.0	600.0	3.1	3.6	-89.13	0.9	-59.9	59.9	53.3	6.58	9.095		
700.0	700.0	700.0	700.0	3.1	3.8	-89.13	0.9	-59.9	59.9	53.1	6.80	8.807		
800.0	800.0	800.0	800.0	3.2	4.0	-89.13	0.9	-59.9	59.9	52.8	7.04	8.510		
900.0	900.0	900.0	900.0	3.2	4.2	-89.13	0.9	-59.9	59.9	52.6	7.29	8.209		
1,000.0	1,000.0	1,000.0	1,000.0	3.2	4.5	-89.13	0.9	-59.9	59.9	52.3	7.57	7.911		
1,100.0	1,100.0	1,100.0	1,100.0	3.3	4.8	-89.13	0.9	-59.9	59.9	52.0	7.86	7.621		
1,200.0	1,200.0	1,200.0	1,200.0	3.4	5.1	-89.13	0.9	-59.9	59.9	51.7	8.16	7.340		
1,300.0	1,300.0	1,300.0	1,300.0	3.4	5.3	-89.13	0.9	-59.9	59.9	51.4	8.47	7.070		
1,400.0	1,400.0	1,400.0	1,400.0	3.5	5.6	-89.13	0.9	-59.9	59.9	51.1	8.79	6.812		
1,500.0	1,500.0	1,500.0	1,500.0	3.5	6.0	-89.13	0.9	-59.9	59.9	50.8	9.12	6.567		
1,600.0	1,600.0	1,600.0	1,600.0	3.6	6.3	-89.13	0.9	-59.9	59.9	50.4	9.45	6.334		
1,700.0	1,700.0	1,700.0	1,700.0	3.7	6.6	-89.13	0.9	-59.9	59.9	50.1	9.79	6.114		
1,800.0	1,800.0	1,800.0	1,800.0	3.8	6.9	-89.13	0.9	-59.9	59.9	49.7	10.14	5.905		
1,900.0	1,900.0	1,900.0	1,900.0	3.9	7.2	-89.13	0.9	-59.9	59.9	49.4	10.49	5.707		
2,000.0	2,000.0	2,000.0	2,000.0	3.9	7.6	-89.13	0.9	-59.9	59.9	49.0	10.85	5.520		
2,100.0	2,100.0	2,100.0	2,100.0	4.0	7.9	-89.13	0.9	-59.9	59.9	48.7	11.21	5.343		
2,200.0	2,200.0	2,200.0	2,200.0	4.1	8.2	-89.13	0.9	-59.9	59.9	48.3	11.57	5.175		
2,300.0	2,300.0	2,300.0	2,300.0	4.2	8.6	-89.13	0.9	-59.9	59.9	47.9	11.94	5.016		
2,400.0	2,400.0	2,400.0	2,400.0	4.3	8.9	-89.13	0.9	-59.9	59.9	47.6	12.31	4.866		
2,500.0	2,500.0	2,500.0	2,500.0	4.4	9.2	-89.13	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	4.4	9.6	163.80	1.5	-61.4	63.2	50.1	13.04	4.846		
2,650.0	2,649.9	2,646.7	2,646.6	4.5	9.7	164.84	2.2	-63.4	67.3	54.1	13.21	5.095		
2,700.0	2,699.9	2,695.3	2,695.1	4.5	9.9	166.04	3.2	-66.1	72.7	59.3	13.38	5.433		
2,800.0	2,799.7	2,794.4	2,794.0	4.5	10.2	168.19	5.5	-72.6	84.5	70.8	13.74	6.149		
2,900.0	2,899.6	2,893.6	2,893.0	4.5	10.5	169.81	7.9	-79.1	96.4	82.3	14.11	6.833		
3,000.0	2,999.5	2,992.9	2,992.0	4.5	10.9	171.08	10.3	-85.6	108.4	93.9	14.49	7.484		
3,100.0	3,099.3	3,092.2	3,091.0	4.5	11.2	172.09	12.7	-92.1	120.4	105.6	14.86	8.104		
3,200.0	3,199.2	3,191.4	3,190.0	4.6	11.6	172.92	15.0	-98.6	132.5	117.2	15.24	8.692		
3,300.0	3,299.0	3,290.7	3,289.1	4.6	11.9	173.61	17.4	-105.1	144.6	128.9	15.63	9.251		
3,400.0	3,398.9	3,389.9	3,388.1	4.6	12.2	174.20	19.8	-111.7	156.6	140.6	16.01	9.782		
3,500.0	3,498.8	3,489.2	3,487.1	4.7	12.6	174.70	22.1	-118.2	168.7	152.3	16.41	10.286		
3,600.0	3,598.6	3,588.4	3,586.1	4.7	12.9	175.13	24.5	-124.7	180.9	164.1	16.80	10.765		
3,700.0	3,698.5	3,687.7	3,685.1	4.8	13.3	175.51	26.9	-131.2	193.0	175.8	17.20	11.219		
3,800.0	3,798.4	3,786.9	3,784.1	4.8	13.6	175.84	29.2	-137.7	205.1	187.5	17.60	11.651		
3,900.0	3,898.2	3,886.2	3,883.1	4.9	13.9	176.14	31.6	-144.2	217.3	199.2	18.01	12.062		
4,000.0	3,998.1	3,985.4	3,982.2	4.9	14.3	176.40	34.0	-150.7	229.4	211.0	18.42	12.452		
4,100.0	4,097.9	4,084.7	4,081.2	5.0	14.6	176.64	36.3	-157.2	241.5	222.7	18.84	12.823		
4,200.0	4,197.8	4,184.0	4,180.2	5.0	15.0	176.86	38.7	-163.7	253.7	234.4	19.25	13.176		
4,300.0	4,297.7	4,283.2	4,279.2	5.1	15.3	177.05	41.1	-170.2	265.8	246.2	19.67	13.512		
4,400.0	4,397.5	4,382.5	4,378.2	5.2	15.7	177.23	43.4	-176.7	278.0	257.9	20.10	13.833		
4,500.0	4,497.4	4,481.7	4,477.2	5.2	16.0	177.40	45.8	-183.2	290.2	269.6	20.52	14.138		
4,600.0	4,597.3	4,581.0	4,576.2	5.3	16.4	177.55	48.2	-189.7	302.3	281.4	20.95	14.429		
4,700.0	4,697.1	4,680.2	4,675.2	5.4	16.7	177.69	50.5	-196.2	314.5	293.1	21.38	14.706		
4,800.0	4,797.0	4,779.5	4,774.3	5.5	17.1	177.82	52.9	-202.7	326.7	304.8	21.82	14.971		
4,900.0	4,896.8	4,878.7	4,873.3	5.5	17.4	177.94	55.3	-209.3	338.8	316.6	22.26	15.224		

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #706H - OWB - PWP2													Offset Site Error:	0.0 usft
Survey Program: 0-MWD+IFR1+FDIR													Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,996.7	4,978.0	4,972.3	5.6	17.8	178.05		57.6	-215.8	351.0	328.3	22.69	15.466	
5,100.0	5,096.6	5,077.2	5,071.3	5.7	18.1	178.15		60.0	-222.3	363.2	340.0	23.13	15.697	
5,200.0	5,196.4	5,176.5	5,170.3	5.8	18.5	178.25		62.4	-228.8	375.3	351.8	23.58	15.919	
5,300.0	5,296.3	5,275.8	5,269.3	5.9	18.8	178.34		64.7	-235.3	387.5	363.5	24.02	16.131	
5,400.0	5,396.2	5,375.0	5,368.3	5.9	19.2	178.42		67.1	-241.8	399.7	375.2	24.47	16.334	
5,500.0	5,496.0	5,474.3	5,467.3	6.0	19.5	178.50		69.5	-248.3	411.8	386.9	24.92	16.529	
5,600.0	5,595.9	5,573.5	5,566.4	6.1	19.9	178.58		71.9	-254.8	424.0	398.7	25.37	16.715	
5,700.0	5,695.8	5,672.8	5,665.4	6.2	20.2	178.65		74.2	-261.3	436.2	410.4	25.82	16.894	
5,800.0	5,795.6	5,772.0	5,764.4	6.3	20.6	178.72		76.6	-267.8	448.4	422.1	26.27	17.067	
5,900.0	5,895.5	5,871.3	5,863.4	6.4	20.9	178.78		79.0	-274.3	460.5	433.8	26.73	17.232	
6,000.0	5,995.3	5,970.5	5,962.4	6.5	21.3	178.84		81.3	-280.8	472.7	445.5	27.18	17.391	
6,100.0	6,095.2	6,069.8	6,061.4	6.6	21.6	178.90		83.7	-287.3	484.9	457.3	27.64	17.544	
6,200.0	6,195.1	6,169.1	6,160.4	6.7	22.0	178.96		86.1	-293.8	497.1	469.0	28.10	17.691	
6,300.0	6,294.9	6,268.3	6,259.5	6.8	22.4	179.01		88.4	-300.3	509.3	480.7	28.56	17.833	
6,400.0	6,394.8	6,367.6	6,358.5	6.9	22.7	179.06		90.8	-306.9	521.4	492.4	29.02	17.969	
6,500.0	6,494.7	6,466.8	6,457.5	7.0	23.1	179.11		93.2	-313.4	533.6	504.1	29.48	18.101	
6,600.0	6,594.5	6,566.1	6,556.5	7.1	23.4	179.15		95.5	-319.9	545.8	515.8	29.94	18.228	
6,700.0	6,694.4	6,665.3	6,655.5	7.2	23.8	179.19		97.9	-326.4	558.0	527.6	30.41	18.350	
6,800.0	6,794.2	6,764.6	6,754.5	7.3	24.1	179.24		100.3	-332.9	570.1	539.3	30.87	18.469	
6,900.0	6,894.1	6,863.8	6,853.5	7.4	24.5	179.28		102.6	-339.4	582.3	551.0	31.34	18.583	
7,000.0	6,994.0	6,963.1	6,952.5	7.5	24.8	179.31		105.0	-345.9	594.5	562.7	31.80	18.693	
7,100.0	7,093.8	7,062.3	7,051.6	7.6	25.2	179.35		107.4	-352.4	606.7	574.4	32.27	18.800	
7,200.0	7,193.7	7,161.6	7,150.6	7.7	25.5	179.39		109.7	-358.9	618.9	586.1	32.74	18.903	
7,300.0	7,293.6	7,260.9	7,249.6	7.8	25.9	179.42		112.1	-365.4	631.0	597.8	33.21	19.003	
7,400.0	7,393.4	7,360.1	7,348.6	7.9	26.3	179.45		114.5	-371.9	643.2	609.5	33.68	19.099	
7,500.0	7,493.3	7,459.4	7,447.6	8.0	26.6	179.48		116.8	-378.4	655.4	621.3	34.15	19.193	
7,600.0	7,593.1	7,558.6	7,546.6	8.1	27.0	179.51		119.2	-384.9	667.6	633.0	34.62	19.284	
7,700.0	7,693.0	7,657.9	7,645.6	8.2	27.3	179.54		121.6	-391.4	679.8	644.7	35.09	19.372	
7,800.0	7,792.9	7,757.1	7,744.6	8.4	27.7	179.57		123.9	-397.9	691.9	656.4	35.56	19.457	
7,900.0	7,892.7	7,856.4	7,843.7	8.5	28.0	179.60		126.3	-404.5	704.1	668.1	36.04	19.540	
8,000.0	7,992.6	7,955.6	7,942.7	8.6	28.4	179.62		128.7	-411.0	716.3	679.8	36.51	19.620	
8,100.0	8,092.5	8,054.9	8,041.7	8.7	28.7	179.65		131.1	-417.5	728.5	691.5	36.98	19.698	
8,200.0	8,192.3	8,154.1	8,140.7	8.8	29.1	179.67		133.4	-424.0	740.7	703.2	37.46	19.773	
8,300.0	8,292.2	8,253.4	8,239.7	8.9	29.5	179.70		135.8	-430.5	752.9	714.9	37.93	19.847	
8,400.0	8,392.1	8,352.7	8,338.7	9.0	29.8	179.72		138.2	-437.0	765.0	726.6	38.41	19.918	
8,500.0	8,491.9	8,451.9	8,437.7	9.1	30.2	179.74		140.5	-443.5	777.2	738.3	38.89	19.987	
8,600.0	8,591.8	8,551.2	8,536.7	9.3	30.5	179.77		142.9	-450.0	789.4	750.0	39.36	20.055	
8,700.0	8,691.6	8,650.4	8,635.8	9.4	30.9	179.79		145.3	-456.5	801.6	761.7	39.84	20.120	
8,712.5	8,704.1	8,662.8	8,648.1	9.4	30.9	179.79		145.6	-457.3	803.1	763.2	39.92	20.116	
8,750.0	8,741.5	8,697.1	8,682.3	9.4	31.0	153.47		145.5	-459.9	808.6	768.5	40.06	20.185	
8,800.0	8,790.9	8,742.1	8,726.9	9.4	31.2	143.59		142.6	-464.4	818.6	778.4	40.24	20.343	
8,850.0	8,839.5	8,786.2	8,770.3	9.4	31.4	139.00		136.6	-470.0	831.8	791.3	40.43	20.575	
8,900.0	8,886.9	8,829.4	8,812.0	9.4	31.5	135.78		127.7	-476.6	847.9	807.3	40.62	20.876	
8,950.0	8,932.8	8,871.4	8,851.7	9.4	31.6	132.98		116.2	-484.1	866.8	826.0	40.81	21.242	
9,000.0	8,976.8	8,912.2	8,889.2	9.5	31.8	130.24		102.5	-492.3	888.5	847.5	41.00	21.670	
9,050.0	9,018.5	8,950.0	8,922.9	9.5	31.9	127.40		87.5	-500.7	912.6	871.4	41.19	22.156	
9,100.0	9,057.7	8,989.7	8,957.1	9.6	32.0	124.38		69.6	-510.3	939.0	897.6	41.39	22.689	
9,150.0	9,094.0	9,026.5	8,987.3	9.6	32.1	121.14		51.0	-519.9	967.5	925.9	41.58	23.270	
9,200.0	9,127.3	9,062.1	9,015.3	9.7	32.2	117.64		31.3	-529.7	997.9	956.1	41.77	23.889	

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

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COMPASS 5000.15 Build 91E

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 30 STATE COM #801H - OWB - AWP												Offset Site Error:	0.0 usft
Survey Program: 100-Standard Keeper 104, 9454-MWD+IFR1+MS												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Semi Major Axis Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Distance Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
19,000.0	9,256.0	9,223.6	9,197.1	86.2	10.5	-80.81	-10,879.6	1,108.7	932.9	898.0	34.89	26.743	
19,100.0	9,256.0	9,227.0	9,200.4	87.0	10.5	-81.70	-10,879.8	1,108.7	835.9	799.3	36.58	22.853	
19,200.0	9,256.0	9,230.3	9,203.7	87.9	10.5	-82.58	-10,879.9	1,108.8	739.6	700.8	38.83	19.050	
19,300.0	9,256.0	9,233.7	9,207.1	88.7	10.5	-83.48	-10,880.0	1,108.8	644.5	602.6	41.89	15.385	
19,400.0	9,256.0	9,237.1	9,210.5	89.6	10.5	-84.40	-10,880.1	1,108.8	551.1	504.9	46.19	11.932	
19,500.0	9,256.0	9,240.5	9,214.0	90.4	10.5	-85.33	-10,880.2	1,108.9	460.4	408.0	52.35	8.793	
19,600.0	9,256.0	9,244.1	9,217.5	91.3	10.5	-86.29	-10,880.4	1,108.9	374.4	313.0	61.40	6.098	
19,700.0	9,256.0	9,247.7	9,221.1	92.1	10.5	-87.26	-10,880.5	1,108.9	297.3	222.8	74.49	3.991	
19,800.0	9,256.0	9,251.5	9,224.9	93.0	10.5	-88.29	-10,880.7	1,109.0	237.9	146.9	90.98	2.614	
19,900.0	9,256.0	9,255.5	9,228.9	93.8	10.5	-89.37	-10,880.8	1,109.0	211.5	109.4	102.11	2.071	
19,909.3	9,256.0	9,255.8	9,229.2	93.9	10.5	-89.46	-10,880.8	1,109.0	211.3	109.0	102.34	2.065 CC, ES, SF	
20,000.0	9,256.0	9,259.2	9,232.6	94.7	10.5	-90.39	-10,881.0	1,109.0	229.9	133.3	96.65	2.379	
20,100.0	9,256.0	9,262.8	9,236.2	95.6	10.5	-91.37	-10,881.1	1,109.1	284.5	201.7	82.78	3.437	
20,200.0	9,256.0	9,266.3	9,239.7	96.4	10.5	-92.30	-10,881.2	1,109.1	359.2	288.6	70.65	5.084	
20,300.0	9,256.0	9,269.6	9,243.0	97.3	10.5	-93.20	-10,881.3	1,109.1	443.9	382.0	61.98	7.163	
20,400.0	9,256.0	9,272.8	9,246.2	98.1	10.5	-94.05	-10,881.4	1,109.1	534.0	478.0	55.95	9.543	
20,500.0	9,256.0	9,275.0	9,248.4	99.0	10.5	-94.65	-10,881.5	1,109.2	627.0	575.3	51.70	12.128	
20,600.0	9,256.0	9,278.8	9,252.2	99.8	10.6	-95.67	-10,881.6	1,109.2	721.9	673.3	48.62	14.846	
20,700.0	9,256.0	9,281.7	9,255.1	100.7	10.6	-96.44	-10,881.7	1,109.2	818.0	771.6	46.35	17.648	
20,800.0	9,256.0	9,284.5	9,257.9	101.5	10.6	-97.20	-10,881.8	1,109.2	914.9	870.3	44.63	20.498	

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design MYOX 30 & 31 STATE PROJECT (ATLAS 2528) - MYOX 6 STATE COM #3H - OWB-PILOT HOLE - AV												Offset Site Error:	0.0 usft
Survey Program: 100-GYRO-NS												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
24,600.0	9,256.0	9,227.0	9,225.3	134.1	32.8	80.93	-16,521.6	614.4	998.6	912.2	86.40	11.558	
24,700.0	9,256.0	9,231.5	9,229.8	135.0	32.8	81.74	-16,521.8	614.3	904.3	813.9	90.32	10.012	
24,800.0	9,256.0	9,236.0	9,234.4	135.8	32.8	82.57	-16,522.0	614.2	811.2	716.1	95.15	8.526	
24,900.0	9,256.0	9,240.7	9,239.0	136.7	32.8	83.41	-16,522.2	614.1	720.1	618.9	101.21	7.114	
25,000.0	9,256.0	9,245.3	9,243.7	137.6	32.8	84.26	-16,522.5	614.1	631.5	522.6	108.90	5.799	
25,100.0	9,256.0	9,250.1	9,248.4	138.4	32.9	85.12	-16,522.7	614.0	546.9	428.2	118.73	4.606	
25,200.0	9,256.0	9,254.9	9,253.2	139.3	32.9	85.99	-16,522.9	613.9	468.4	337.2	131.21	3.570	
25,262.5	9,256.0	9,257.9	9,256.2	139.8	32.9	86.55	-16,523.1	613.9	423.8	283.4	140.42	3.018 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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Offset Design SCOUT STATE PROJECT (ATLAS 2528) - SCOUT ST COM #604H - OWB - PWP1												Offset Site Error:	3.0 usft
Survey Program: 0-Standard Keeper 104												Offset Well Error:	3.0 usft
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
								+N/-S (usft)	+E/-W (usft)				
8,400.0	8,392.1	24,724.9	9,221.6	9.0	182.4	-19.39		-96.9	778.2	953.1	829.6	123.53	7.715
8,500.0	8,491.9	24,725.9	9,221.6	9.1	182.4	-19.26		-97.9	778.2	866.1	736.3	129.74	6.675
8,600.0	8,591.8	24,726.9	9,221.6	9.3	182.4	-19.13		-99.0	778.2	782.1	645.0	137.14	5.703
8,700.0	8,691.6	24,727.9	9,221.6	9.4	182.4	-19.00		-100.0	778.2	702.4	556.5	145.90	4.814
8,712.5	8,704.1	24,728.0	9,221.6	9.4	182.4	-18.98		-100.1	778.2	692.8	545.5	147.28	4.704
8,750.0	8,741.5	24,729.5	9,221.6	9.4	182.4	-48.76		-101.6	778.2	664.2	513.3	150.93	4.401
8,800.0	8,790.9	24,735.0	9,221.5	9.4	182.5	-62.52		-107.0	778.2	626.7	470.8	155.92	4.020
8,850.0	8,839.5	24,744.3	9,221.5	9.4	182.6	-70.00		-116.3	778.3	590.1	429.1	161.00	3.665
8,900.0	8,886.9	24,757.4	9,221.4	9.4	182.8	-75.05		-129.5	778.3	554.7	388.6	166.09	3.339
8,950.0	8,932.8	24,774.3	9,221.3	9.4	183.0	-78.58		-146.3	778.4	520.6	349.5	171.11	3.043
9,000.0	8,976.8	24,794.7	9,221.2	9.5	183.2	-80.99		-166.8	778.5	488.3	312.3	175.95	2.775
9,050.0	9,018.5	24,818.6	9,221.0	9.5	183.5	-82.45		-190.7	778.6	457.7	277.2	180.50	2.536
9,100.0	9,057.7	24,821.0	9,221.0	9.6	183.6	-85.93		-193.1	778.7	429.7	245.9	183.79	2.338
9,150.0	9,094.0	24,821.0	9,221.0	9.6	183.6	-88.93		-193.1	778.7	405.9	220.6	185.35	2.190
9,200.0	9,127.3	24,821.0	9,221.0	9.7	183.6	-91.17		-193.1	778.7	387.3	202.8	184.51	2.099
9,250.0	9,157.1	24,821.0	9,221.0	9.8	183.6	-92.64		-193.1	778.7	374.7	194.1	180.60	2.075 ES, SF
9,300.0	9,183.3	24,821.0	9,221.0	9.9	183.6	-93.35		-193.1	778.7	369.0	195.8	173.24	2.130
9,315.1	9,190.5	24,821.0	9,221.0	10.0	183.6	-93.42		-193.1	778.7	368.7	198.3	170.35	2.164 CC
9,350.0	9,205.7	24,821.0	9,221.0	10.1	183.6	-93.32		-193.1	778.7	370.4	207.8	162.59	2.278
9,400.0	9,224.2	24,821.0	9,221.0	10.2	183.6	-92.54		-193.1	778.7	378.9	229.6	149.36	2.537
9,450.0	9,238.5	24,821.0	9,221.0	10.4	183.6	-91.02		-193.1	778.7	394.0	259.3	134.66	2.926
9,500.0	9,248.6	24,821.0	9,221.0	10.6	183.6	-88.77		-193.1	778.7	414.8	295.2	119.59	3.468
9,550.0	9,254.5	24,821.0	9,221.0	10.8	183.6	-85.81		-193.1	778.7	440.4	335.3	105.07	4.191
9,591.8	9,256.0	24,821.0	9,221.0	11.0	183.6	-82.83		-193.1	778.7	464.7	370.9	93.80	4.954
9,600.0	9,256.0	24,821.0	9,221.0	11.0	183.6	-82.81		-193.1	778.7	469.8	378.1	91.71	5.123
9,700.0	9,256.0	24,821.0	9,221.0	11.5	183.6	-82.56		-193.1	778.7	539.0	469.0	69.94	7.706
9,800.0	9,256.0	24,821.0	9,221.0	12.0	183.6	-82.21		-193.1	778.7	618.7	563.6	55.12	11.225
9,900.0	9,256.0	24,821.0	9,221.0	12.6	183.6	-81.72		-193.1	778.7	705.3	659.0	46.25	15.250
10,000.0	9,256.0	24,821.0	9,221.0	13.2	183.6	-81.06		-193.1	778.7	796.4	754.6	41.84	19.035
10,100.0	9,256.0	24,821.0	9,221.0	13.9	183.6	-80.14		-193.1	778.7	890.6	850.3	40.25	22.126
10,200.0	9,256.0	24,821.0	9,221.0	14.5	183.6	-78.84		-193.1	778.7	986.8	946.7	40.10	24.606

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	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
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference	Offset	Semi Major Axis	Highside Toolface (°)	Offset Wellbore Centre	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning	
				(usft)	(usft)			+N/-S (usft)	+E/-W (usft)					
8,300.0	8,292.2	24,134.7	9,209.5	8.9	132.1	162.81		-100.5	-123.7	987.0	851.9	135.07	7.307	
8,400.0	8,392.1	24,135.7	9,209.5	9.0	132.1	162.69		-101.5	-123.7	899.3	763.6	135.75	6.625	
8,500.0	8,491.9	24,136.6	9,209.5	9.1	132.1	162.57		-102.4	-123.7	814.5	677.9	136.53	5.966	
8,600.0	8,591.8	24,137.6	9,209.5	9.3	132.1	162.45		-103.4	-123.7	733.5	596.1	137.42	5.338	
8,700.0	8,691.6	24,138.5	9,209.5	9.4	132.1	162.33		-104.3	-123.7	657.7	519.3	138.43	4.751	
8,712.5	8,704.1	24,138.6	9,209.5	9.4	132.1	162.31		-104.5	-123.7	648.7	510.1	138.59	4.681	
8,750.0	8,741.5	24,140.1	9,209.5	9.4	132.1	139.40		-105.9	-123.7	622.8	483.8	138.99	4.481	
8,800.0	8,790.9	24,145.5	9,209.5	9.4	132.2	133.11		-111.3	-123.7	591.7	452.1	139.55	4.240	
8,850.0	8,839.5	24,154.8	9,209.4	9.4	132.3	131.19		-120.6	-123.7	565.1	425.0	140.13	4.033	
8,900.0	8,886.9	24,167.9	9,209.3	9.4	132.4	129.89		-133.7	-123.6	543.8	403.1	140.71	3.865	
8,950.0	8,932.8	24,184.7	9,209.2	9.4	132.5	128.37		-150.5	-123.5	528.4	387.1	141.26	3.740	
9,000.0	8,976.8	24,205.1	9,209.0	9.5	132.7	126.36		-170.9	-123.4	518.9	377.2	141.75	3.661	
9,047.0	9,016.0	24,212.2	9,209.0	9.5	132.7	125.43		-178.0	-123.4	515.8	374.0	141.84	3.637	CC, ES, SF
9,050.0	9,018.5	24,212.2	9,209.0	9.5	132.7	125.40		-178.0	-123.4	515.9	374.0	141.83	3.637	
9,100.0	9,057.7	24,212.2	9,209.0	9.6	132.7	124.67		-178.0	-123.4	519.8	378.5	141.39	3.677	
9,150.0	9,094.0	24,212.2	9,209.0	9.6	132.7	123.42		-178.0	-123.4	530.8	390.2	140.53	3.777	
9,200.0	9,127.3	24,212.2	9,209.0	9.7	132.7	121.58		-178.0	-123.4	548.1	408.8	139.26	3.936	
9,250.0	9,157.1	24,212.2	9,209.0	9.8	132.7	119.10		-178.0	-123.4	571.1	433.5	137.64	4.149	
9,300.0	9,183.3	24,212.2	9,209.0	9.9	132.7	115.90		-178.0	-123.4	599.1	463.3	135.77	4.413	
9,350.0	9,205.7	24,212.2	9,209.0	10.1	132.7	111.91		-178.0	-123.4	631.1	497.4	133.71	4.720	
9,400.0	9,224.2	24,212.2	9,209.0	10.2	132.7	107.08		-178.0	-123.4	666.3	534.8	131.54	5.065	
9,450.0	9,238.5	24,212.2	9,209.0	10.4	132.7	101.39		-178.0	-123.4	704.0	574.7	129.32	5.444	
9,500.0	9,248.6	24,212.2	9,209.0	10.6	132.7	94.89		-178.0	-123.4	743.6	616.5	127.10	5.851	
9,550.0	9,254.5	24,212.2	9,209.0	10.8	132.7	87.76		-178.0	-123.4	784.5	659.6	124.91	6.281	
9,591.8	9,256.0	24,212.2	9,209.0	11.0	132.7	81.51		-178.0	-123.4	819.4	696.3	123.11	6.656	
9,600.0	9,256.0	24,212.2	9,209.0	11.0	132.7	81.54		-178.0	-123.4	826.3	703.5	122.76	6.731	
9,700.0	9,256.0	24,212.2	9,209.0	11.5	132.7	82.00		-178.0	-123.4	911.0	792.3	118.67	7.677	
9,800.0	9,256.0	24,212.2	9,209.0	12.0	132.7	82.45		-178.0	-123.4	996.9	882.1	114.82	8.683	

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 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3075.0usft (TBD)

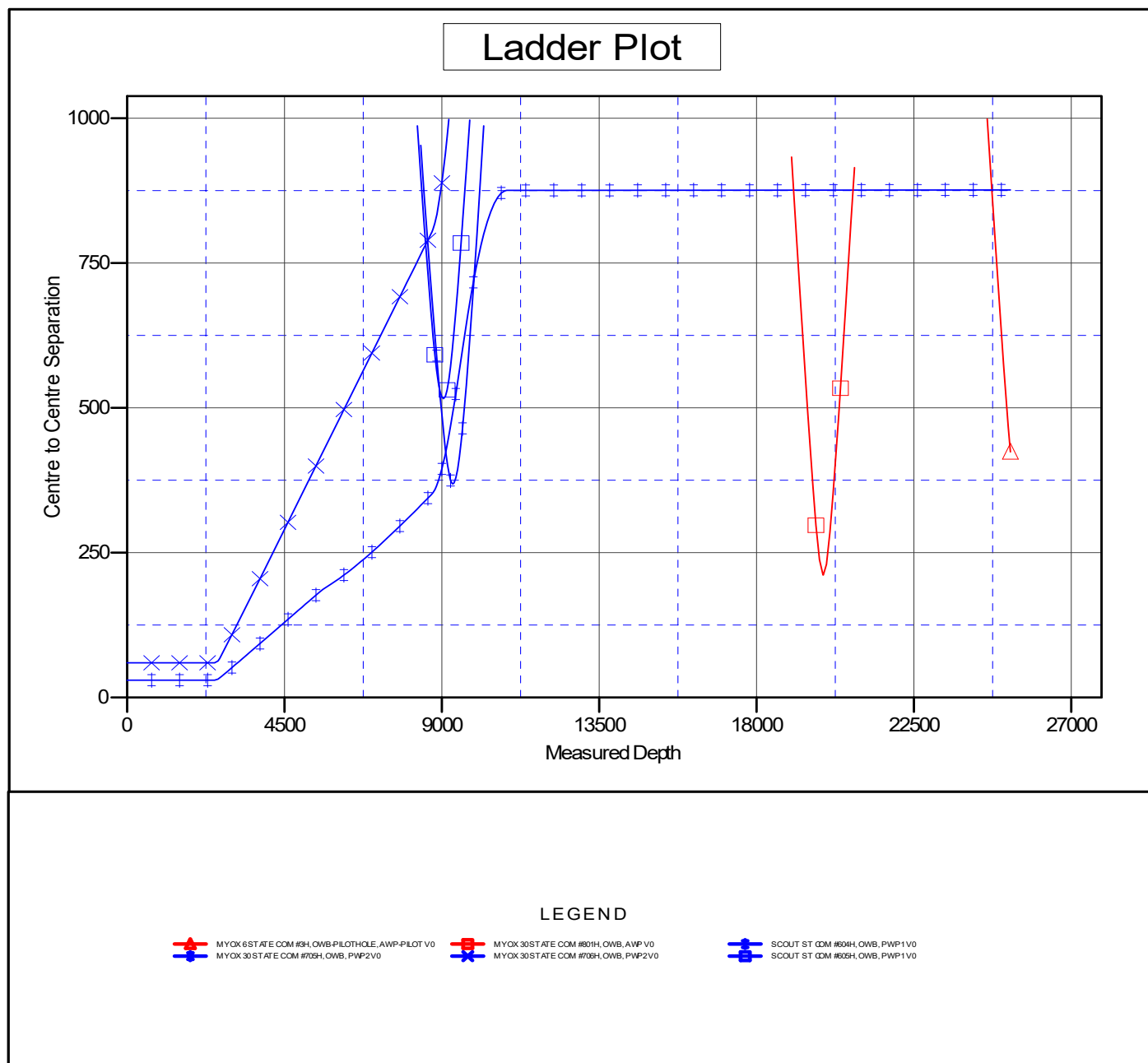
Offset Depths are relative to Offset Datum

Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 30 STATE COM #704H

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 convergent point, SF - min separation factor, ES - min ellipse separation

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COMPASS 5000.15 Build 91E

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	Survey Calculation Method:	Minimum Curvature
Well Error:	3.0 usft	Output errors are at	2.00 sigma
Reference Wellbore	OWB	Database:	edm
Reference Design:	PWP2	Offset TVD Reference:	Offset Datum

Reference Depths are relative to KB=30' @ 3075.0usft (TBD)

Offset Depths are relative to Offset Datum

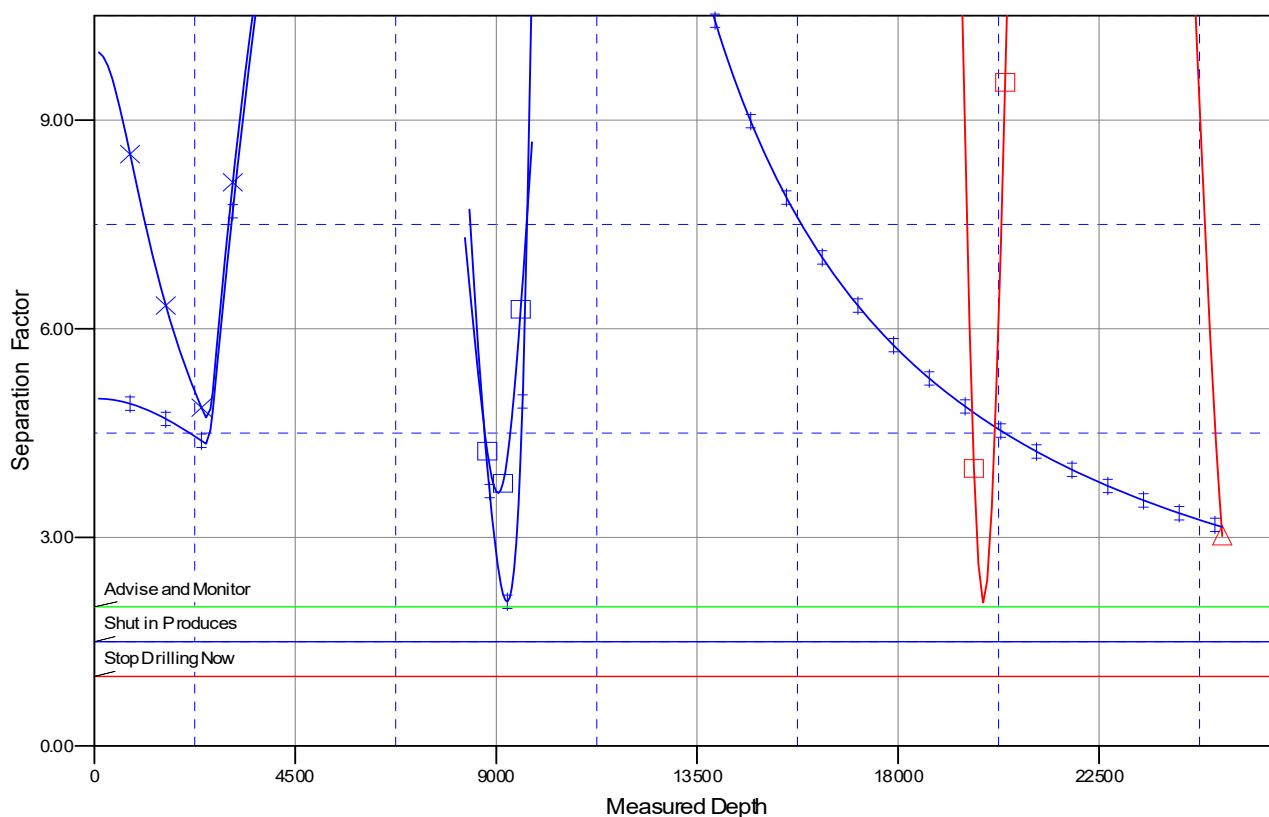
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: MYOX 30 STATE COM #704H

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

Grid Convergence at Surface is: 0.11°

Separation Factor Plot



LEGEND

MYOX 6 STATE COM #6H, OWB-PILOTHOLE, AWP-PILOT V0
 MYOX 30 STATE COM #704H, OWB, AWP V0
 SCOUT ST COM #604H, OWB, PWP1V0

DELAWARE BASIN WEST

ATLAS PROSPECT (NM-E)

MYOX 30 & 31 STATE PROJECT (ATLAS 2528)

MYOX 30 STATE COM #704H

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 #704H
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 #704H	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
From:	Map	Easting:	576,200.50 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 6' 26.701 N
		Longitude:	104° 5' 14.043 W
		Grid Convergence:	0.13 °

Well	MYOX 30 STATE COM #704H		
Well Position	+N/-S	0.0 usft	Northing:
	+E/-W	0.0 usft	Easting:
Position Uncertainty	3.0 usft		Wellhead Elevation:
			Latitude:
			Longitude:
			Ground Level:

Wellbore	OWB		
Magnetics	Model Name	Sample Date	Declination (°)
	IGRF2020	5/27/2020	6.92
			Dip Angle (°)
			59.76
			Field Strength (nT)
			47,487.88808207

Design	PWP2		
Audit Notes:			
Version:	Phase:	PLAN	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)
	0.0	0.0	0.0
			Direction (°)
			176.74

Survey Tool Program	Date	11/20/2020		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	8,712.0	PWP2 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4
8,712.0	25,262.4	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 #704H
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 #704H	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	108.01	2,600.0	-0.5	1.7	0.6	2.00	2.00	0.00
2,650.0	3.00	108.01	2,649.9	-1.2	3.7	1.4	2.00	2.00	0.00
Start 6062.5 hold at 2650.0 MD									
2,700.0	3.00	108.01	2,699.9	-2.0	6.2	2.4	0.00	0.00	0.00
2,800.0	3.00	108.01	2,799.7	-3.6	11.2	4.3	0.00	0.00	0.00
2,900.0	3.00	108.01	2,899.6	-5.3	16.2	6.2	0.00	0.00	0.00
3,000.0	3.00	108.01	2,999.5	-6.9	21.2	8.1	0.00	0.00	0.00
3,100.0	3.00	108.01	3,099.3	-8.5	26.1	10.0	0.00	0.00	0.00
3,200.0	3.00	108.01	3,199.2	-10.1	31.1	11.9	0.00	0.00	0.00
3,300.0	3.00	108.01	3,299.0	-11.7	36.1	13.8	0.00	0.00	0.00
3,400.0	3.00	108.01	3,398.9	-13.3	41.1	15.7	0.00	0.00	0.00
3,500.0	3.00	108.01	3,498.8	-15.0	46.0	17.6	0.00	0.00	0.00
3,600.0	3.00	108.01	3,598.6	-16.6	51.0	19.5	0.00	0.00	0.00
3,700.0	3.00	108.01	3,698.5	-18.2	56.0	21.4	0.00	0.00	0.00
3,800.0	3.00	108.01	3,798.4	-19.8	61.0	23.3	0.00	0.00	0.00
3,900.0	3.00	108.01	3,898.2	-21.4	66.0	25.2	0.00	0.00	0.00
4,000.0	3.00	108.01	3,998.1	-23.1	70.9	27.0	0.00	0.00	0.00
4,100.0	3.00	108.01	4,097.9	-24.7	75.9	28.9	0.00	0.00	0.00
4,200.0	3.00	108.01	4,197.8	-26.3	80.9	30.8	0.00	0.00	0.00
4,300.0	3.00	108.01	4,297.7	-27.9	85.9	32.7	0.00	0.00	0.00
4,400.0	3.00	108.01	4,397.5	-29.5	90.8	34.6	0.00	0.00	0.00
4,500.0	3.00	108.01	4,497.4	-31.1	95.8	36.5	0.00	0.00	0.00
4,600.0	3.00	108.01	4,597.3	-32.8	100.8	38.4	0.00	0.00	0.00
4,700.0	3.00	108.01	4,697.1	-34.4	105.8	40.3	0.00	0.00	0.00
4,800.0	3.00	108.01	4,797.0	-36.0	110.8	42.2	0.00	0.00	0.00
4,900.0	3.00	108.01	4,896.8	-37.6	115.7	44.1	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	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)	
5,000.0	3.00	108.01	4,996.7	-39.2	120.7	46.0	0.00	0.00	0.00	
5,100.0	3.00	108.01	5,096.6	-40.9	125.7	47.9	0.00	0.00	0.00	
5,200.0	3.00	108.01	5,196.4	-42.5	130.7	49.8	0.00	0.00	0.00	
5,300.0	3.00	108.01	5,296.3	-44.1	135.6	51.7	0.00	0.00	0.00	
5,400.0	3.00	108.01	5,396.2	-45.7	140.6	53.6	0.00	0.00	0.00	
5,500.0	3.00	108.01	5,496.0	-47.3	145.6	55.5	0.00	0.00	0.00	
5,600.0	3.00	108.01	5,595.9	-48.9	150.6	57.4	0.00	0.00	0.00	
5,700.0	3.00	108.01	5,695.8	-50.6	155.6	59.3	0.00	0.00	0.00	
5,800.0	3.00	108.01	5,795.6	-52.2	160.5	61.2	0.00	0.00	0.00	
5,900.0	3.00	108.01	5,895.5	-53.8	165.5	63.1	0.00	0.00	0.00	
6,000.0	3.00	108.01	5,995.3	-55.4	170.5	65.0	0.00	0.00	0.00	
6,100.0	3.00	108.01	6,095.2	-57.0	175.5	66.9	0.00	0.00	0.00	
6,200.0	3.00	108.01	6,195.1	-58.6	180.4	68.8	0.00	0.00	0.00	
6,300.0	3.00	108.01	6,294.9	-60.3	185.4	70.7	0.00	0.00	0.00	
6,400.0	3.00	108.01	6,394.8	-61.9	190.4	72.6	0.00	0.00	0.00	
6,500.0	3.00	108.01	6,494.7	-63.5	195.4	74.5	0.00	0.00	0.00	
6,600.0	3.00	108.01	6,594.5	-65.1	200.3	76.4	0.00	0.00	0.00	
6,700.0	3.00	108.01	6,694.4	-66.7	205.3	78.3	0.00	0.00	0.00	
6,800.0	3.00	108.01	6,794.2	-68.4	210.3	80.2	0.00	0.00	0.00	
6,900.0	3.00	108.01	6,894.1	-70.0	215.3	82.1	0.00	0.00	0.00	
7,000.0	3.00	108.01	6,994.0	-71.6	220.3	84.0	0.00	0.00	0.00	
7,100.0	3.00	108.01	7,093.8	-73.2	225.2	85.9	0.00	0.00	0.00	
7,200.0	3.00	108.01	7,193.7	-74.8	230.2	87.8	0.00	0.00	0.00	
7,300.0	3.00	108.01	7,293.6	-76.4	235.2	89.7	0.00	0.00	0.00	
7,400.0	3.00	108.01	7,393.4	-78.1	240.2	91.6	0.00	0.00	0.00	
7,500.0	3.00	108.01	7,493.3	-79.7	245.1	93.5	0.00	0.00	0.00	
7,600.0	3.00	108.01	7,593.1	-81.3	250.1	95.4	0.00	0.00	0.00	
7,700.0	3.00	108.01	7,693.0	-82.9	255.1	97.3	0.00	0.00	0.00	
7,800.0	3.00	108.01	7,792.9	-84.5	260.1	99.2	0.00	0.00	0.00	
7,900.0	3.00	108.01	7,892.7	-86.2	265.1	101.1	0.00	0.00	0.00	
8,000.0	3.00	108.01	7,992.6	-87.8	270.0	103.0	0.00	0.00	0.00	
8,100.0	3.00	108.01	8,092.5	-89.4	275.0	104.9	0.00	0.00	0.00	
8,200.0	3.00	108.01	8,192.3	-91.0	280.0	106.8	0.00	0.00	0.00	
8,300.0	3.00	108.01	8,292.2	-92.6	285.0	108.7	0.00	0.00	0.00	
8,400.0	3.00	108.01	8,392.1	-94.2	289.9	110.6	0.00	0.00	0.00	
8,500.0	3.00	108.01	8,491.9	-95.9	294.9	112.5	0.00	0.00	0.00	
8,600.0	3.00	108.01	8,591.8	-97.5	299.9	114.4	0.00	0.00	0.00	
8,700.0	3.00	108.01	8,691.6	-99.1	304.9	116.3	0.00	0.00	0.00	
8,712.5	3.00	108.01	8,704.1	-99.3	305.5	116.5	0.00	0.00	0.00	
Start DLS 10.00 TFO 46.43										
8,800.0	11.03	143.18	8,790.9	-106.7	312.7	124.3	10.00	9.18	40.19	
8,900.0	20.93	148.71	8,886.9	-129.7	327.8	148.1	10.00	9.89	5.53	
9,000.0	30.89	150.76	8,976.8	-167.5	349.6	187.1	10.00	9.96	2.06	
9,100.0	40.87	151.89	9,057.7	-218.9	377.7	240.0	10.00	9.98	1.12	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	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)	
9,200.0	50.85	152.63	9,127.3	-282.3	411.0	305.2	10.00	9.99	0.74	
9,300.0	60.84	153.19	9,183.3	-355.9	448.6	380.8	10.00	9.99	0.56	
9,400.0	70.84	153.64	9,224.2	-437.4	489.4	464.5	10.00	9.99	0.46	
9,500.0	80.83	154.05	9,248.6	-524.3	532.1	553.7	10.00	9.99	0.40	
9,591.8	90.00	154.40	9,256.0	-606.6	571.8	638.1	10.00	9.99	0.38	
Start DLS 2.00 TFO 90.00										
9,600.0	90.00	154.56	9,256.0	-614.0	575.3	645.7	2.00	0.00	2.00	
9,700.0	90.00	156.56	9,256.0	-705.1	616.7	739.0	2.00	0.00	2.00	
9,800.0	90.00	158.56	9,256.0	-797.5	654.9	833.4	2.00	0.00	2.00	
9,900.0	90.00	160.56	9,256.0	-891.2	689.8	929.0	2.00	0.00	2.00	
10,000.0	90.00	162.56	9,256.0	-986.1	721.4	1,025.5	2.00	0.00	2.00	
10,100.0	90.00	164.56	9,256.0	-1,082.0	749.7	1,122.8	2.00	0.00	2.00	
10,200.0	90.00	166.56	9,256.0	-1,178.8	774.6	1,220.9	2.00	0.00	2.00	
10,300.0	90.00	168.56	9,256.0	-1,276.5	796.1	1,319.6	2.00	0.00	2.00	
10,400.0	90.00	170.56	9,256.0	-1,374.8	814.3	1,418.9	2.00	0.00	2.00	
10,500.0	90.00	172.56	9,256.0	-1,473.7	828.9	1,518.4	2.00	0.00	2.00	
10,600.0	90.00	174.56	9,256.0	-1,573.1	840.1	1,618.3	2.00	0.00	2.00	
10,700.0	90.00	176.56	9,256.0	-1,672.8	847.9	1,718.3	2.00	0.00	2.00	
10,800.0	90.00	178.56	9,256.0	-1,772.7	852.1	1,818.2	2.00	0.00	2.00	
10,857.6	90.00	179.72	9,256.0	-1,830.3	853.0	1,875.8	2.00	0.00	2.00	
Start 14404.9 hold at 10857.6 MD										
10,900.0	90.00	179.72	9,256.0	-1,872.7	853.2	1,918.1	0.00	0.00	0.00	
11,000.0	90.00	179.72	9,256.0	-1,972.7	853.7	2,018.0	0.00	0.00	0.00	
11,100.0	90.00	179.72	9,256.0	-2,072.7	854.2	2,117.9	0.00	0.00	0.00	
11,200.0	90.00	179.72	9,256.0	-2,172.7	854.7	2,217.7	0.00	0.00	0.00	
11,300.0	90.00	179.72	9,256.0	-2,272.7	855.2	2,317.6	0.00	0.00	0.00	
11,400.0	90.00	179.72	9,256.0	-2,372.7	855.7	2,417.5	0.00	0.00	0.00	
11,500.0	90.00	179.72	9,256.0	-2,472.7	856.2	2,517.3	0.00	0.00	0.00	
11,600.0	90.00	179.72	9,256.0	-2,572.7	856.7	2,617.2	0.00	0.00	0.00	
11,700.0	90.00	179.72	9,256.0	-2,672.7	857.2	2,717.1	0.00	0.00	0.00	
11,800.0	90.00	179.72	9,256.0	-2,772.7	857.6	2,816.9	0.00	0.00	0.00	
11,900.0	90.00	179.72	9,256.0	-2,872.7	858.1	2,916.8	0.00	0.00	0.00	
12,000.0	90.00	179.72	9,256.0	-2,972.7	858.6	3,016.6	0.00	0.00	0.00	
12,100.0	90.00	179.72	9,256.0	-3,072.7	859.1	3,116.5	0.00	0.00	0.00	
12,200.0	90.00	179.72	9,256.0	-3,172.7	859.6	3,216.4	0.00	0.00	0.00	
12,300.0	90.00	179.72	9,256.0	-3,272.7	860.1	3,316.2	0.00	0.00	0.00	
12,400.0	90.00	179.72	9,256.0	-3,372.7	860.6	3,416.1	0.00	0.00	0.00	
12,500.0	90.00	179.72	9,256.0	-3,472.6	861.1	3,516.0	0.00	0.00	0.00	
12,600.0	90.00	179.72	9,256.0	-3,572.6	861.6	3,615.8	0.00	0.00	0.00	
12,700.0	90.00	179.72	9,256.0	-3,672.6	862.1	3,715.7	0.00	0.00	0.00	
12,800.0	90.00	179.72	9,256.0	-3,772.6	862.6	3,815.6	0.00	0.00	0.00	
12,900.0	90.00	179.72	9,256.0	-3,872.6	863.1	3,915.4	0.00	0.00	0.00	
13,000.0	90.00	179.72	9,256.0	-3,972.6	863.6	4,015.3	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	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)	
13,100.0	90.00	179.72	9,256.0	-4,072.6	864.1	4,115.2	0.00	0.00	0.00	
13,200.0	90.00	179.72	9,256.0	-4,172.6	864.6	4,215.0	0.00	0.00	0.00	
13,300.0	90.00	179.72	9,256.0	-4,272.6	865.1	4,314.9	0.00	0.00	0.00	
13,400.0	90.00	179.72	9,256.0	-4,372.6	865.6	4,414.8	0.00	0.00	0.00	
13,500.0	90.00	179.72	9,256.0	-4,472.6	866.0	4,514.6	0.00	0.00	0.00	
13,600.0	90.00	179.72	9,256.0	-4,572.6	866.5	4,614.5	0.00	0.00	0.00	
13,700.0	90.00	179.72	9,256.0	-4,672.6	867.0	4,714.4	0.00	0.00	0.00	
13,800.0	90.00	179.72	9,256.0	-4,772.6	867.5	4,814.2	0.00	0.00	0.00	
13,900.0	90.00	179.72	9,256.0	-4,872.6	868.0	4,914.1	0.00	0.00	0.00	
14,000.0	90.00	179.72	9,256.0	-4,972.6	868.5	5,014.0	0.00	0.00	0.00	
14,100.0	90.00	179.72	9,256.0	-5,072.6	869.0	5,113.8	0.00	0.00	0.00	
14,200.0	90.00	179.72	9,256.0	-5,172.6	869.5	5,213.7	0.00	0.00	0.00	
14,300.0	90.00	179.72	9,256.0	-5,272.6	870.0	5,313.6	0.00	0.00	0.00	
14,400.0	90.00	179.72	9,256.0	-5,372.6	870.5	5,413.4	0.00	0.00	0.00	
14,500.0	90.00	179.72	9,256.0	-5,472.6	871.0	5,513.3	0.00	0.00	0.00	
14,600.0	90.00	179.72	9,256.0	-5,572.6	871.5	5,613.1	0.00	0.00	0.00	
14,700.0	90.00	179.72	9,256.0	-5,672.6	872.0	5,713.0	0.00	0.00	0.00	
14,800.0	90.00	179.72	9,256.0	-5,772.6	872.5	5,812.9	0.00	0.00	0.00	
14,900.0	90.00	179.72	9,256.0	-5,872.6	873.0	5,912.7	0.00	0.00	0.00	
15,000.0	90.00	179.72	9,256.0	-5,972.6	873.5	6,012.6	0.00	0.00	0.00	
15,100.0	90.00	179.72	9,256.0	-6,072.6	874.0	6,112.5	0.00	0.00	0.00	
15,200.0	90.00	179.72	9,256.0	-6,172.6	874.5	6,212.3	0.00	0.00	0.00	
15,300.0	90.00	179.72	9,256.0	-6,272.6	874.9	6,312.2	0.00	0.00	0.00	
15,400.0	90.00	179.72	9,256.0	-6,372.6	875.4	6,412.1	0.00	0.00	0.00	
15,500.0	90.00	179.72	9,256.0	-6,472.6	875.9	6,511.9	0.00	0.00	0.00	
15,600.0	90.00	179.72	9,256.0	-6,572.6	876.4	6,611.8	0.00	0.00	0.00	
15,700.0	90.00	179.72	9,256.0	-6,672.6	876.9	6,711.7	0.00	0.00	0.00	
15,800.0	90.00	179.72	9,256.0	-6,772.6	877.4	6,811.5	0.00	0.00	0.00	
15,900.0	90.00	179.72	9,256.0	-6,872.6	877.9	6,911.4	0.00	0.00	0.00	
16,000.0	90.00	179.72	9,256.0	-6,972.6	878.4	7,011.3	0.00	0.00	0.00	
16,100.0	90.00	179.72	9,256.0	-7,072.6	878.9	7,111.1	0.00	0.00	0.00	
16,200.0	90.00	179.72	9,256.0	-7,172.6	879.4	7,211.0	0.00	0.00	0.00	
16,300.0	90.00	179.72	9,256.0	-7,272.6	879.9	7,310.9	0.00	0.00	0.00	
16,400.0	90.00	179.72	9,256.0	-7,372.6	880.4	7,410.7	0.00	0.00	0.00	
16,500.0	90.00	179.72	9,256.0	-7,472.6	880.9	7,510.6	0.00	0.00	0.00	
16,600.0	90.00	179.72	9,256.0	-7,572.6	881.4	7,610.5	0.00	0.00	0.00	
16,700.0	90.00	179.72	9,256.0	-7,672.6	881.9	7,710.3	0.00	0.00	0.00	
16,800.0	90.00	179.72	9,256.0	-7,772.6	882.4	7,810.2	0.00	0.00	0.00	
16,900.0	90.00	179.72	9,256.0	-7,872.6	882.9	7,910.0	0.00	0.00	0.00	
17,000.0	90.00	179.72	9,256.0	-7,972.6	883.3	8,009.9	0.00	0.00	0.00	
17,100.0	90.00	179.72	9,256.0	-8,072.6	883.8	8,109.8	0.00	0.00	0.00	
17,200.0	90.00	179.72	9,256.0	-8,172.6	884.3	8,209.6	0.00	0.00	0.00	
17,300.0	90.00	179.72	9,256.0	-8,272.6	884.8	8,309.5	0.00	0.00	0.00	
17,400.0	90.00	179.72	9,256.0	-8,372.6	885.3	8,409.4	0.00	0.00	0.00	

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	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	90.00	179.72	9,256.0	-8,472.6	885.8	8,509.2	0.00	0.00	0.00
17,600.0	90.00	179.72	9,256.0	-8,572.6	886.3	8,609.1	0.00	0.00	0.00
17,700.0	90.00	179.72	9,256.0	-8,672.6	886.8	8,709.0	0.00	0.00	0.00
17,800.0	90.00	179.72	9,256.0	-8,772.6	887.3	8,808.8	0.00	0.00	0.00
17,900.0	90.00	179.72	9,256.0	-8,872.6	887.8	8,908.7	0.00	0.00	0.00
18,000.0	90.00	179.72	9,256.0	-8,972.6	888.3	9,008.6	0.00	0.00	0.00
18,100.0	90.00	179.72	9,256.0	-9,072.6	888.8	9,108.4	0.00	0.00	0.00
18,200.0	90.00	179.72	9,256.0	-9,172.6	889.3	9,208.3	0.00	0.00	0.00
18,300.0	90.00	179.72	9,256.0	-9,272.6	889.8	9,308.2	0.00	0.00	0.00
18,400.0	90.00	179.72	9,256.0	-9,372.6	890.3	9,408.0	0.00	0.00	0.00
18,500.0	90.00	179.72	9,256.0	-9,472.6	890.8	9,507.9	0.00	0.00	0.00
18,600.0	90.00	179.72	9,256.0	-9,572.6	891.3	9,607.8	0.00	0.00	0.00
18,700.0	90.00	179.72	9,256.0	-9,672.6	891.8	9,707.6	0.00	0.00	0.00
18,800.0	90.00	179.72	9,256.0	-9,772.6	892.2	9,807.5	0.00	0.00	0.00
18,900.0	90.00	179.72	9,256.0	-9,872.6	892.7	9,907.4	0.00	0.00	0.00
19,000.0	90.00	179.72	9,256.0	-9,972.6	893.2	10,007.2	0.00	0.00	0.00
19,100.0	90.00	179.72	9,256.0	-10,072.6	893.7	10,107.1	0.00	0.00	0.00
19,200.0	90.00	179.72	9,256.0	-10,172.6	894.2	10,206.9	0.00	0.00	0.00
19,300.0	90.00	179.72	9,256.0	-10,272.6	894.7	10,306.8	0.00	0.00	0.00
19,400.0	90.00	179.72	9,256.0	-10,372.6	895.2	10,406.7	0.00	0.00	0.00
19,500.0	90.00	179.72	9,256.0	-10,472.6	895.7	10,506.5	0.00	0.00	0.00
19,600.0	90.00	179.72	9,256.0	-10,572.6	896.2	10,606.4	0.00	0.00	0.00
19,700.0	90.00	179.72	9,256.0	-10,672.6	896.7	10,706.3	0.00	0.00	0.00
19,800.0	90.00	179.72	9,256.0	-10,772.6	897.2	10,806.1	0.00	0.00	0.00
19,900.0	90.00	179.72	9,256.0	-10,872.6	897.7	10,906.0	0.00	0.00	0.00
20,000.0	90.00	179.72	9,256.0	-10,972.6	898.2	11,005.9	0.00	0.00	0.00
20,100.0	90.00	179.72	9,256.0	-11,072.6	898.7	11,105.7	0.00	0.00	0.00
20,200.0	90.00	179.72	9,256.0	-11,172.6	899.2	11,205.6	0.00	0.00	0.00
20,300.0	90.00	179.72	9,256.0	-11,272.6	899.7	11,305.5	0.00	0.00	0.00
20,400.0	90.00	179.72	9,256.0	-11,372.6	900.2	11,405.3	0.00	0.00	0.00
20,500.0	90.00	179.72	9,256.0	-11,472.6	900.6	11,505.2	0.00	0.00	0.00
20,600.0	90.00	179.72	9,256.0	-11,572.6	901.1	11,605.1	0.00	0.00	0.00
20,700.0	90.00	179.72	9,256.0	-11,672.5	901.6	11,704.9	0.00	0.00	0.00
20,800.0	90.00	179.72	9,256.0	-11,772.5	902.1	11,804.8	0.00	0.00	0.00
20,900.0	90.00	179.72	9,256.0	-11,872.5	902.6	11,904.7	0.00	0.00	0.00
21,000.0	90.00	179.72	9,256.0	-11,972.5	903.1	12,004.5	0.00	0.00	0.00
21,100.0	90.00	179.72	9,256.0	-12,072.5	903.6	12,104.4	0.00	0.00	0.00
21,200.0	90.00	179.72	9,256.0	-12,172.5	904.1	12,204.3	0.00	0.00	0.00
21,300.0	90.00	179.72	9,256.0	-12,272.5	904.6	12,304.1	0.00	0.00	0.00
21,400.0	90.00	179.72	9,256.0	-12,372.5	905.1	12,404.0	0.00	0.00	0.00
21,500.0	90.00	179.72	9,256.0	-12,472.5	905.6	12,503.8	0.00	0.00	0.00
21,600.0	90.00	179.72	9,256.0	-12,572.5	906.1	12,603.7	0.00	0.00	0.00
21,700.0	90.00	179.72	9,256.0	-12,672.5	906.6	12,703.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	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)
21,800.0	90.00	179.72	9,256.0	-12,772.5	907.1	12,803.4	0.00	0.00	0.00
21,900.0	90.00	179.72	9,256.0	-12,872.5	907.6	12,903.3	0.00	0.00	0.00
22,000.0	90.00	179.72	9,256.0	-12,972.5	908.1	13,003.2	0.00	0.00	0.00
22,100.0	90.00	179.72	9,256.0	-13,072.5	908.6	13,103.0	0.00	0.00	0.00
22,200.0	90.00	179.72	9,256.0	-13,172.5	909.1	13,202.9	0.00	0.00	0.00
22,300.0	90.00	179.72	9,256.0	-13,272.5	909.5	13,302.8	0.00	0.00	0.00
22,400.0	90.00	179.72	9,256.0	-13,372.5	910.0	13,402.6	0.00	0.00	0.00
22,500.0	90.00	179.72	9,256.0	-13,472.5	910.5	13,502.5	0.00	0.00	0.00
22,600.0	90.00	179.72	9,256.0	-13,572.5	911.0	13,602.4	0.00	0.00	0.00
22,700.0	90.00	179.72	9,256.0	-13,672.5	911.5	13,702.2	0.00	0.00	0.00
22,800.0	90.00	179.72	9,256.0	-13,772.5	912.0	13,802.1	0.00	0.00	0.00
22,900.0	90.00	179.72	9,256.0	-13,872.5	912.5	13,902.0	0.00	0.00	0.00
23,000.0	90.00	179.72	9,256.0	-13,972.5	913.0	14,001.8	0.00	0.00	0.00
23,100.0	90.00	179.72	9,256.0	-14,072.5	913.5	14,101.7	0.00	0.00	0.00
23,200.0	90.00	179.72	9,256.0	-14,172.5	914.0	14,201.6	0.00	0.00	0.00
23,300.0	90.00	179.72	9,256.0	-14,272.5	914.5	14,301.4	0.00	0.00	0.00
23,400.0	90.00	179.72	9,256.0	-14,372.5	915.0	14,401.3	0.00	0.00	0.00
23,500.0	90.00	179.72	9,256.0	-14,472.5	915.5	14,501.2	0.00	0.00	0.00
23,600.0	90.00	179.72	9,256.0	-14,572.5	916.0	14,601.0	0.00	0.00	0.00
23,700.0	90.00	179.72	9,256.0	-14,672.5	916.5	14,700.9	0.00	0.00	0.00
23,800.0	90.00	179.72	9,256.0	-14,772.5	917.0	14,800.7	0.00	0.00	0.00
23,900.0	90.00	179.72	9,256.0	-14,872.5	917.5	14,900.6	0.00	0.00	0.00
24,000.0	90.00	179.72	9,256.0	-14,972.5	917.9	15,000.5	0.00	0.00	0.00
24,100.0	90.00	179.72	9,256.0	-15,072.5	918.4	15,100.3	0.00	0.00	0.00
24,200.0	90.00	179.72	9,256.0	-15,172.5	918.9	15,200.2	0.00	0.00	0.00
24,300.0	90.00	179.72	9,256.0	-15,272.5	919.4	15,300.1	0.00	0.00	0.00
24,400.0	90.00	179.72	9,256.0	-15,372.5	919.9	15,399.9	0.00	0.00	0.00
24,500.0	90.00	179.72	9,256.0	-15,472.5	920.4	15,499.8	0.00	0.00	0.00
24,600.0	90.00	179.72	9,256.0	-15,572.5	920.9	15,599.7	0.00	0.00	0.00
24,700.0	90.00	179.72	9,256.0	-15,672.5	921.4	15,699.5	0.00	0.00	0.00
24,800.0	90.00	179.72	9,256.0	-15,772.5	921.9	15,799.4	0.00	0.00	0.00
24,900.0	90.00	179.72	9,256.0	-15,872.5	922.4	15,899.3	0.00	0.00	0.00
25,000.0	90.00	179.72	9,256.0	-15,972.5	922.9	15,999.1	0.00	0.00	0.00
25,100.0	90.00	179.72	9,256.0	-16,072.5	923.4	16,099.0	0.00	0.00	0.00
25,200.0	90.00	179.72	9,256.0	-16,172.5	923.9	16,198.9	0.00	0.00	0.00
25,262.5	90.00	179.72	9,256.0	-16,235.0	924.2	16,261.3	0.00	0.00	0.00
TD at 25262.5									

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN WEST	Local Co-ordinate Reference:	Well MYOX 30 STATE COM #704H
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 #704H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP2	Database:	edm

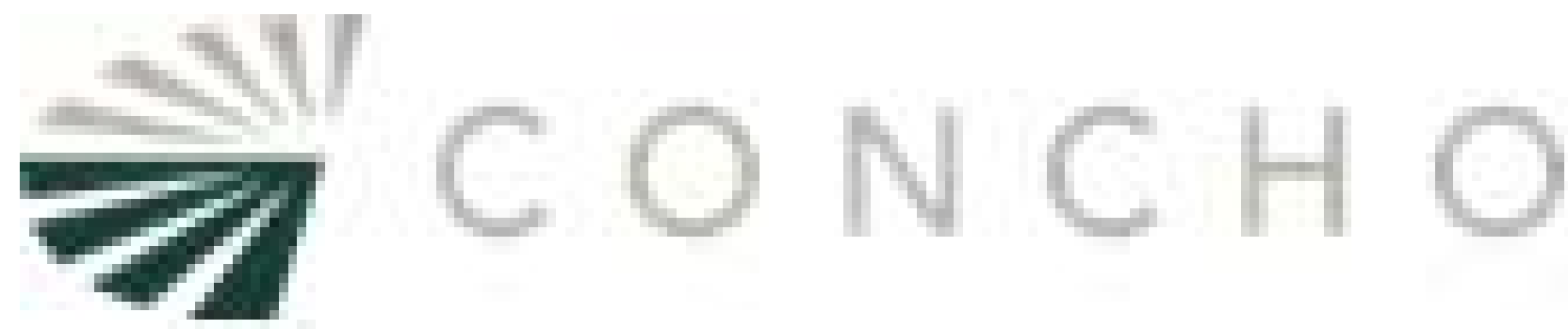
Design Targets

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 - plan misses target center by 336.5usft at 9529.7usft MD (9252.6 TVD, -550.8 N, 544.9 E) - Circle (radius 50.0)	0.00	0.00	9,256.0	-404.2	847.7	408,337.80	563,631.80	32° 7' 20.893 N	104° 7' 40.053 W
LTP (MYOX 30 STATE - plan misses target center by 12.6usft at 25200.0usft MD (9256.0 TVD, -16172.5 N, 923.9 E) - Point	0.00	0.00	9,256.0	-16,185.0	924.0	392,556.98	563,708.08	32° 4' 44.716 N	104° 7' 39.516 W
PBHL (MYOX 30 STA - plan hits target center - Rectangle (sides W100.0 H15,830.0 D20.0)	0.00	359.72	9,256.0	-16,235.0	924.2	392,506.99	563,708.24	32° 4' 44.221 N	104° 7' 39.515 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2500	2500	0	0	Start Build 2.00
2650	2650	-1	4	Start 6062.5 hold at 2650.0 MD
8712	8704	-99	305	Start DLS 10.00 TFO 46.43
9592	9256	-607	572	Start DLS 2.00 TFO 90.00
10,858	9256	-1830	853	Start 14404.9 hold at 10857.6 MD
25,263	9256	-16,235	924	TD at 25262.5

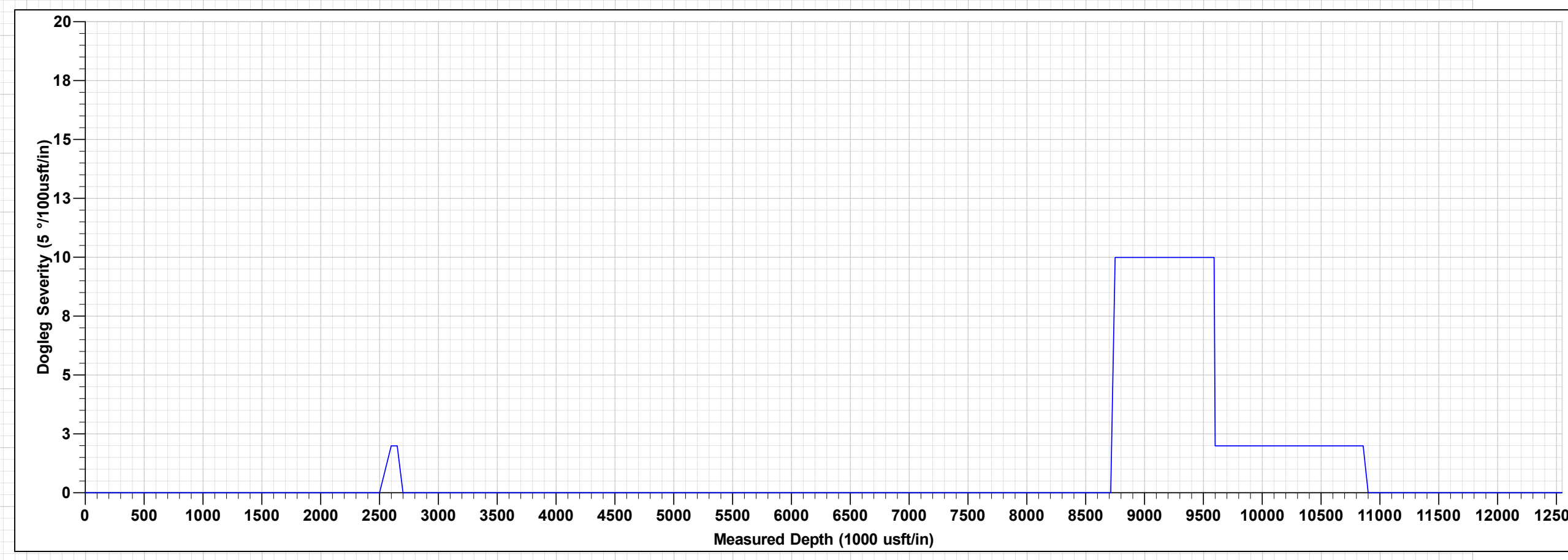
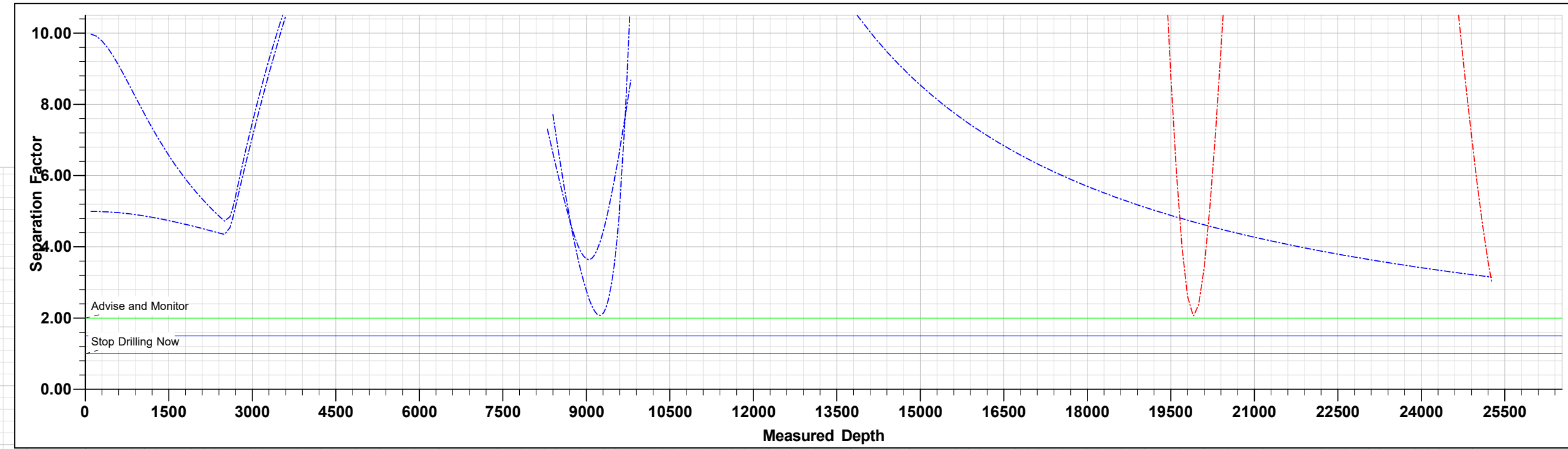
Checked By: _____ Approved By: _____ Date: _____



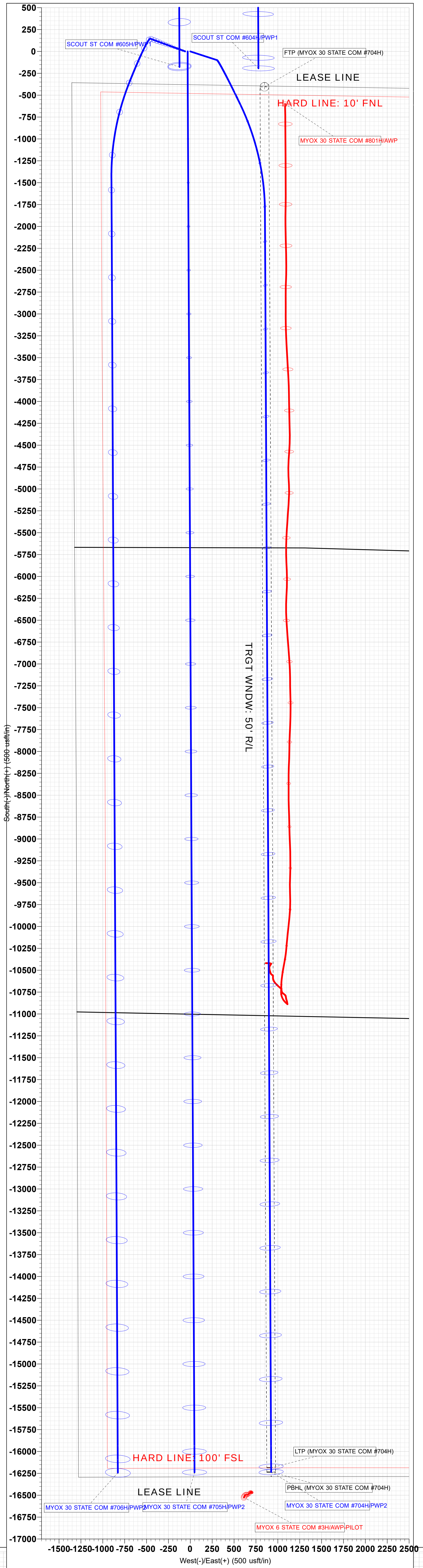
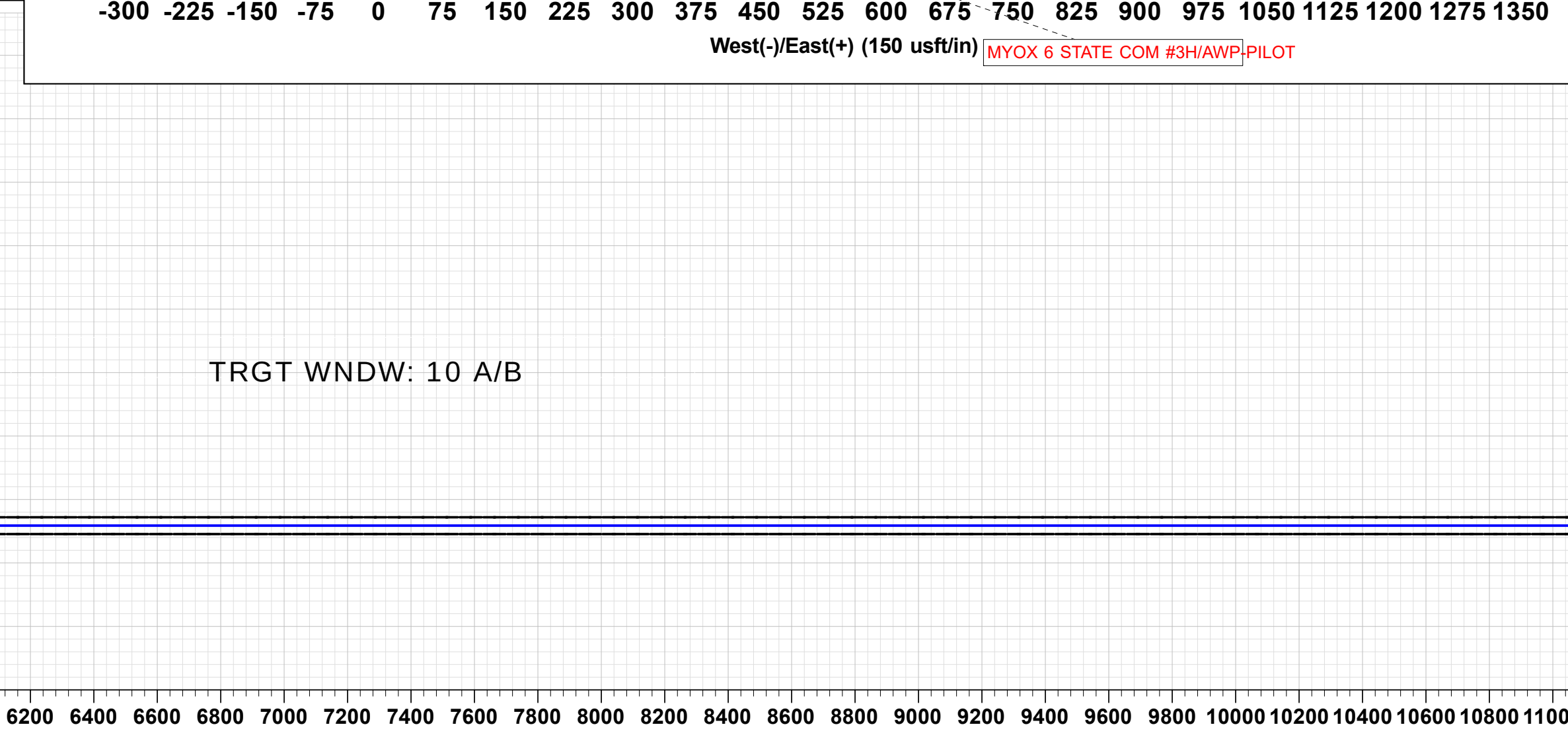
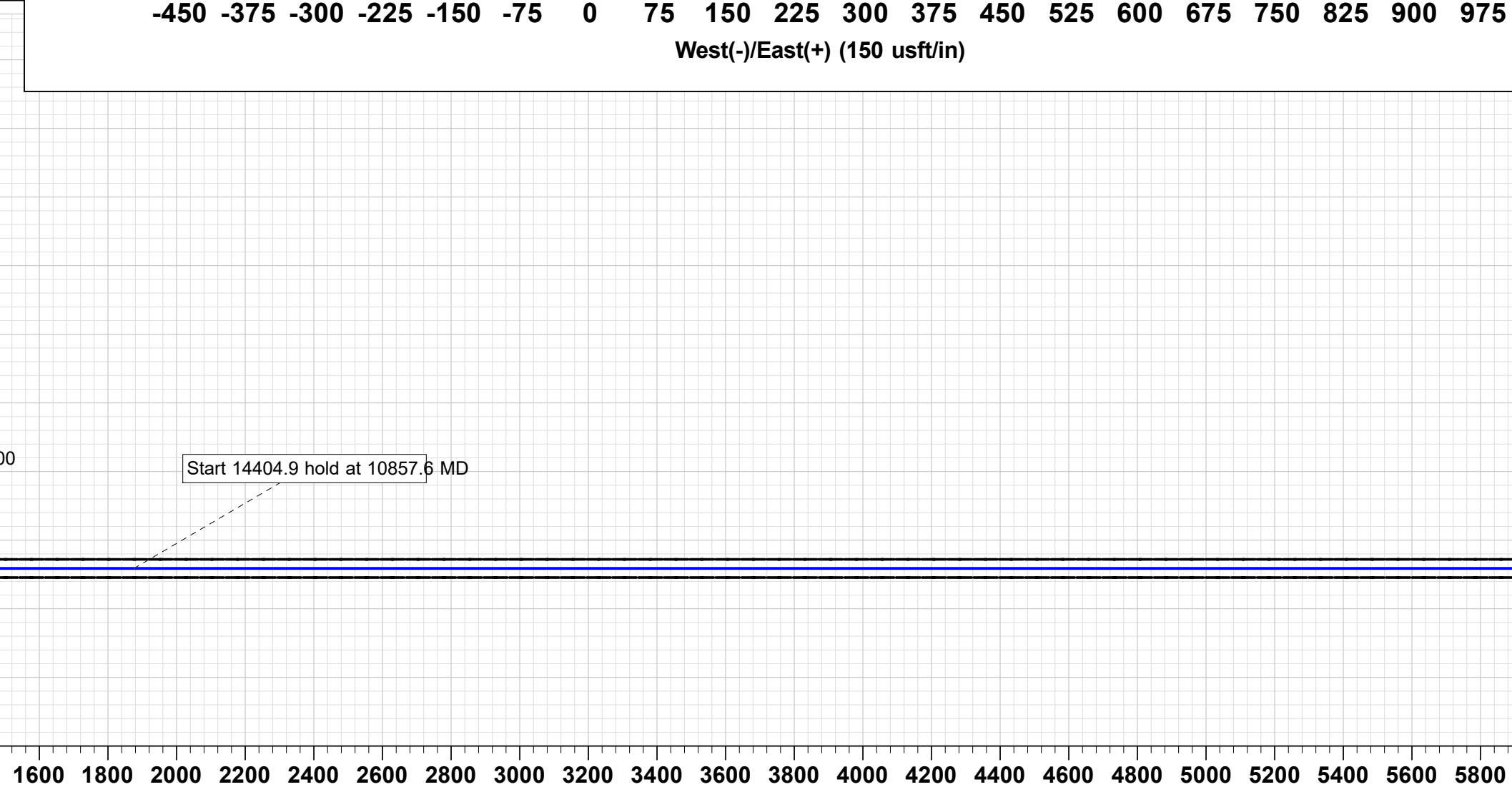
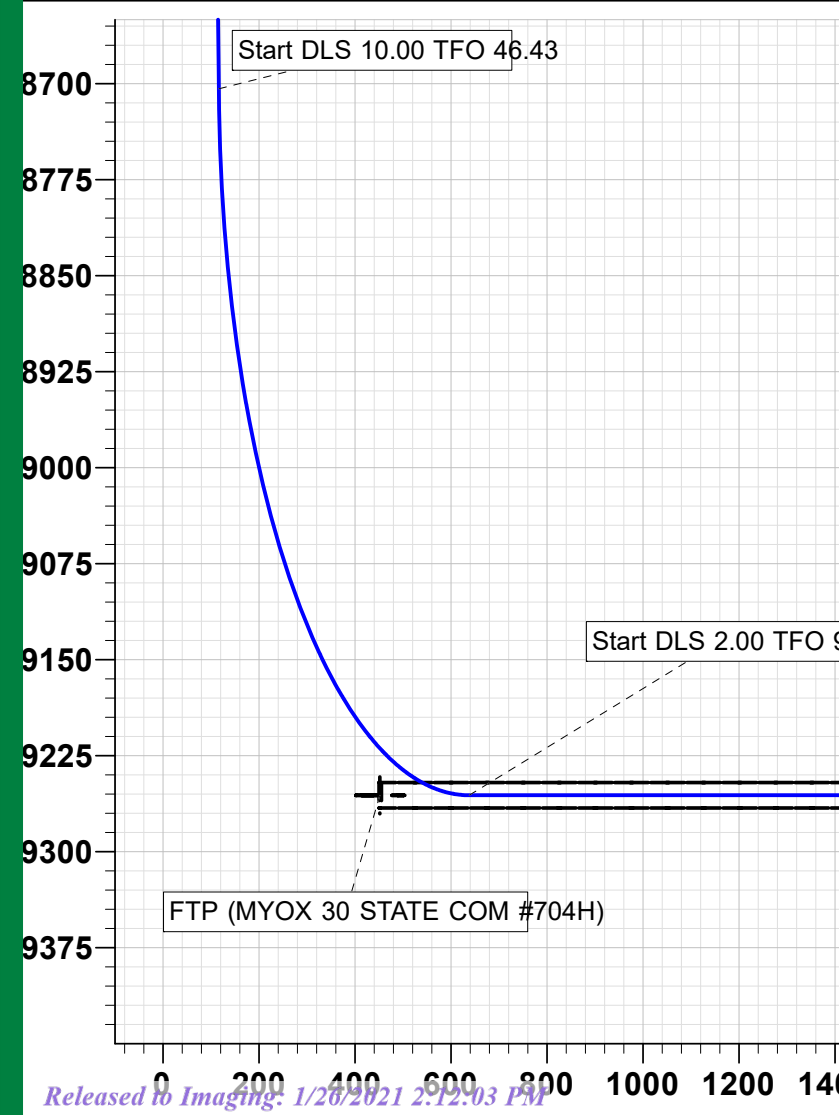
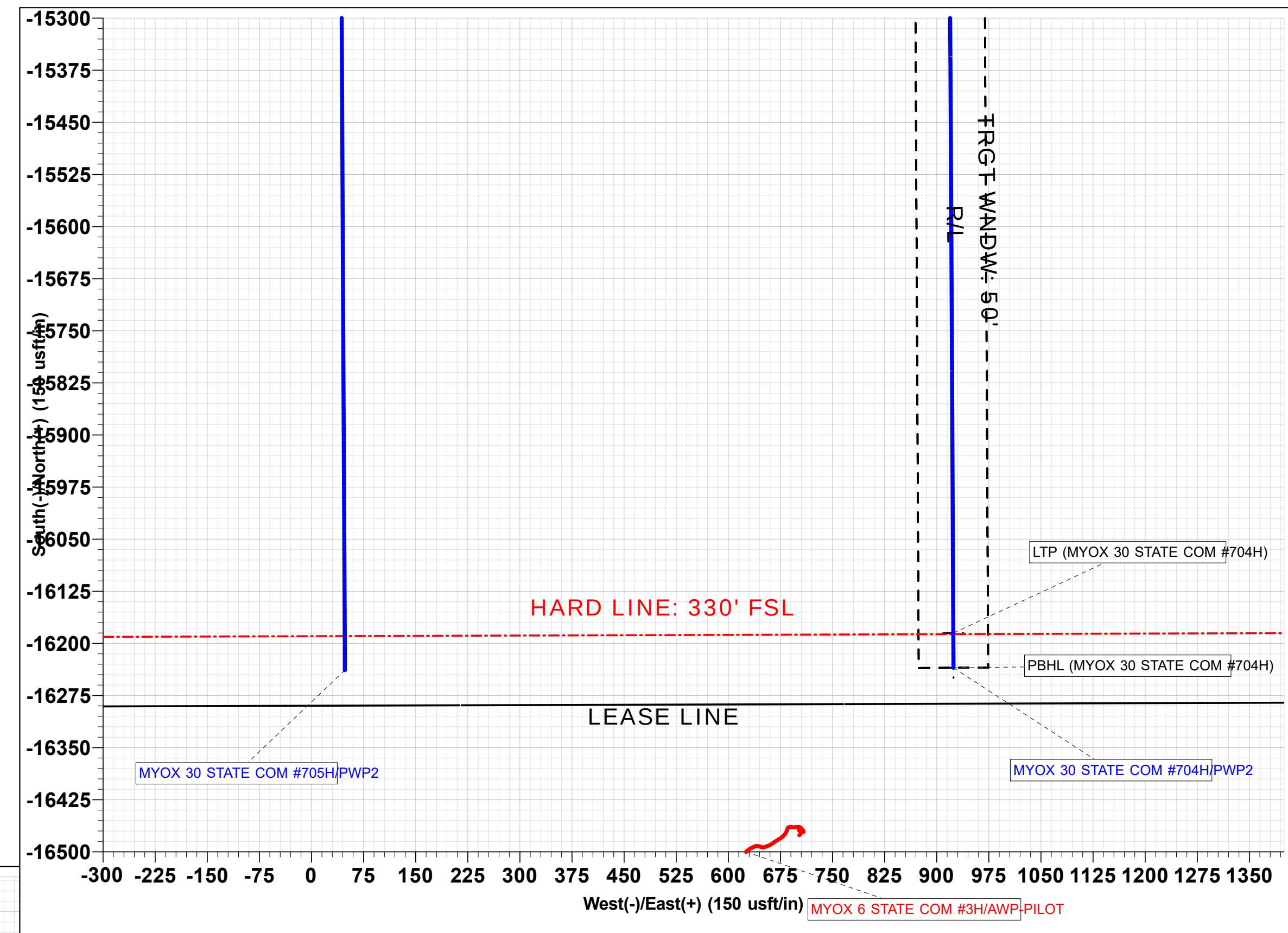
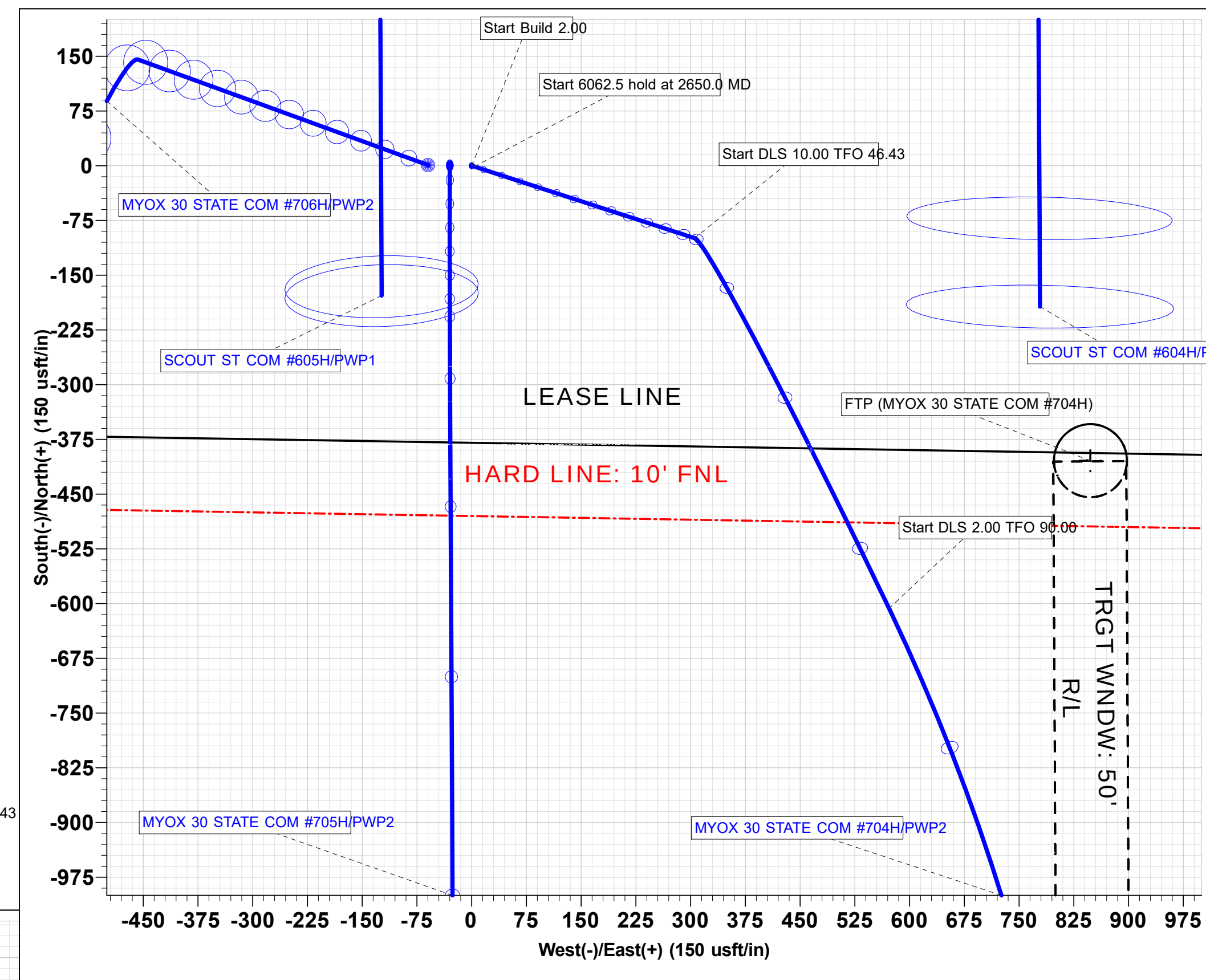
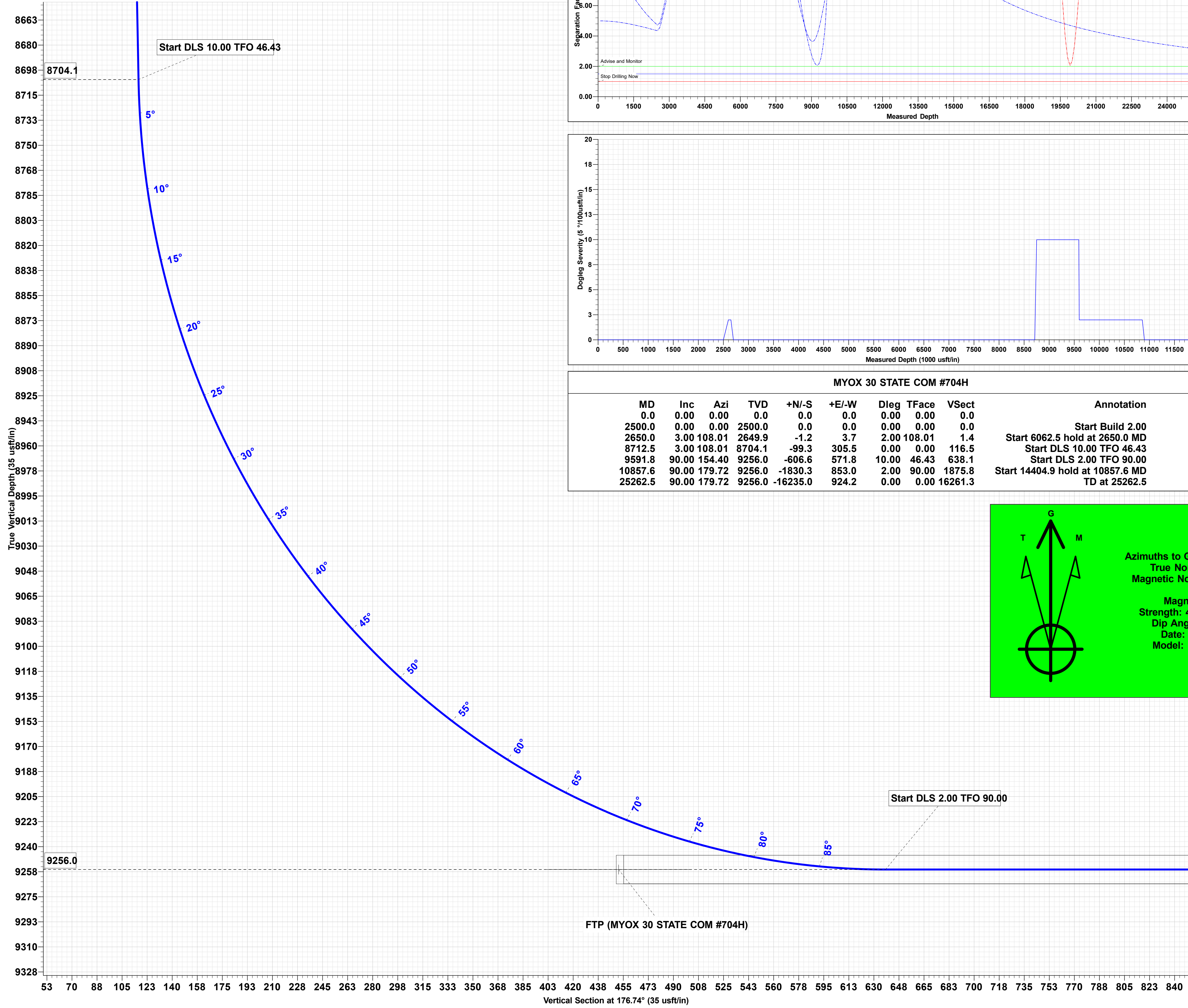
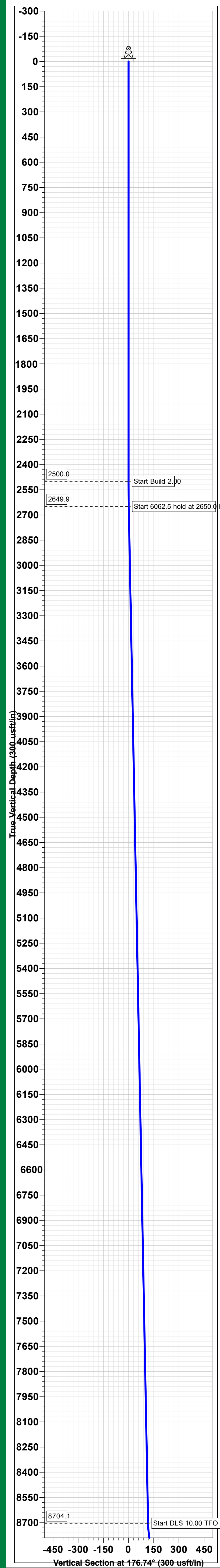
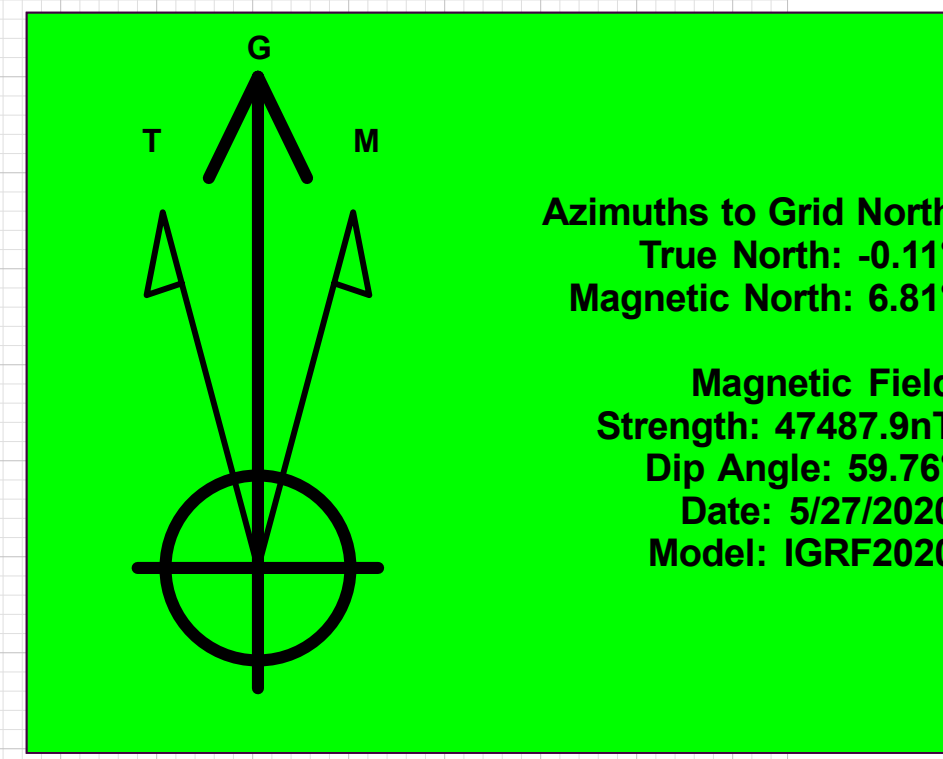
Project: ATLAS PROSPECT (NM-E)
Site: MYOX 30 & 31 STATE PROJECT (ATLAS 2528)
Well: MYOX 30 STATE COM #704H
Wellbore: OWB
Design: PWP2
GL: 3045.0
KB=30' @ 3075.0usft (TBD)

WELL DETAILS: MYOX 30 STATE COM #704H						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.0	0.0	408742.03	562784.05	32° 7' 24.909 N	104° 7' 49.902 W	

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude
FTP (MYOX 30 STATE COM #704H)	9256.0	-404.2	847.7	408337.80	563631.80	32° 7' 20.893 N
LTP (MYOX 30 STATE COM #704H)	9256.0	-16135.0	924.0	392556.98	563708.08	32° 4' 44.716 N
PBHL (MYOX 30 STATE COM #704H)	9256.0	-16235.0	924.2	392506.99	563708.24	32° 4' 44.221 N



MYOX 30 STATE COM #704H										
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	Start Build 2.00	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start 6062.5 hold at 2650.0 MD	
2650.0	3.00	108.01	2649.9	-1.2	3.7	2.00	108.01	1.4	Start DLS 10.00 TFO 46.43	
8712.5	3.00	108.01	8704.1	-99.3	305.5	0.00	0.00	116.5	Start DLS 2.00 TFO 90.00	
9591.8	90.00	154.40	9256.0	-606.6	571.8	10.00	46.43	638.1	Start 14404.9 hold at 10857.6 MD	
10857.6	90.00	179.72	9256.0	-1830.3	853.0	2.00	90.00	1875.8	TD at 25262.5	
25262.5	90.00	179.72	9256.0	-16235.0	924.2	0.00	0.00	16261.3		



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 15600

COMMENTS

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX79701			OGRID: 229137	Action Number: 15600	Action Type: 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
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

CONDITIONS

Action 15600

CONDITIONS OF APPROVAL

Operator: COG OPERATING LLC 600 W Illinois Ave Midland, TX79701			OGRID: 229137	Action Number: 15600	Action Type: C-103A
OCD Reviewer	Condition				
kpickford	• NSL Will require an administrative order for non-standard location prior to placing the well on production.				