HOBBS OCD- RECEIVED 10/28/20

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on page 2

5. Lease Serial No.
NMNM132951

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
GREEN BERET FEDERAL COM 501H

2. Name of Operator
COG OPERATING LLC
Contact: STAN WAGNER
E-Mail: swagner@concho.com

9. API Well No.

3a. Address
ONE CONCHO CENTER 600 W ILLINOIS AVENUE
MIDLAND, TX 79701-4287

3b. Phone No. (include area code)
Ph: 432.253.9685

10. Field and Pool or Exploratory Area
WC-025 G08 S253534O

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 20 T25S R35E NWNE 465FNL 2095FEL
32.121857 N Lat, 103.387787 W Lon

11. County or Parish, State
LEA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Change to Original A PD
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

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

Change BHL to: 2590' FNL & 2310' FEL SWNE 29-25S-35E

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #534695 verified by the BLM Well Information System
For COG OPERATING LLC, sent to the Hobbs
Committed to AFMSS for processing by PRISCILLA PEREZ on 10/23/2020 (21PP0276SE)

Name *(Printed/Typed)* STAN WAGNER — Title REGULATORY ADVISOR

Signature (Electronic Submission) — Date 10/20/2020

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JENNIFER SANCHEZ — Title PETROLEUM ENGINEER — Date 10/26/2020

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Hobbs

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

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) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

[X] AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
30-025-47819	97088	WC-025 G-08 S253534O; Bone Spring

Property Code	Property Name	Well Number
	GREEN BERET FEDERAL COM	501H

OGRID No.	Operator Name	Elevation
229137	COG OPERATING, LLC	3281.5'

Surface Location

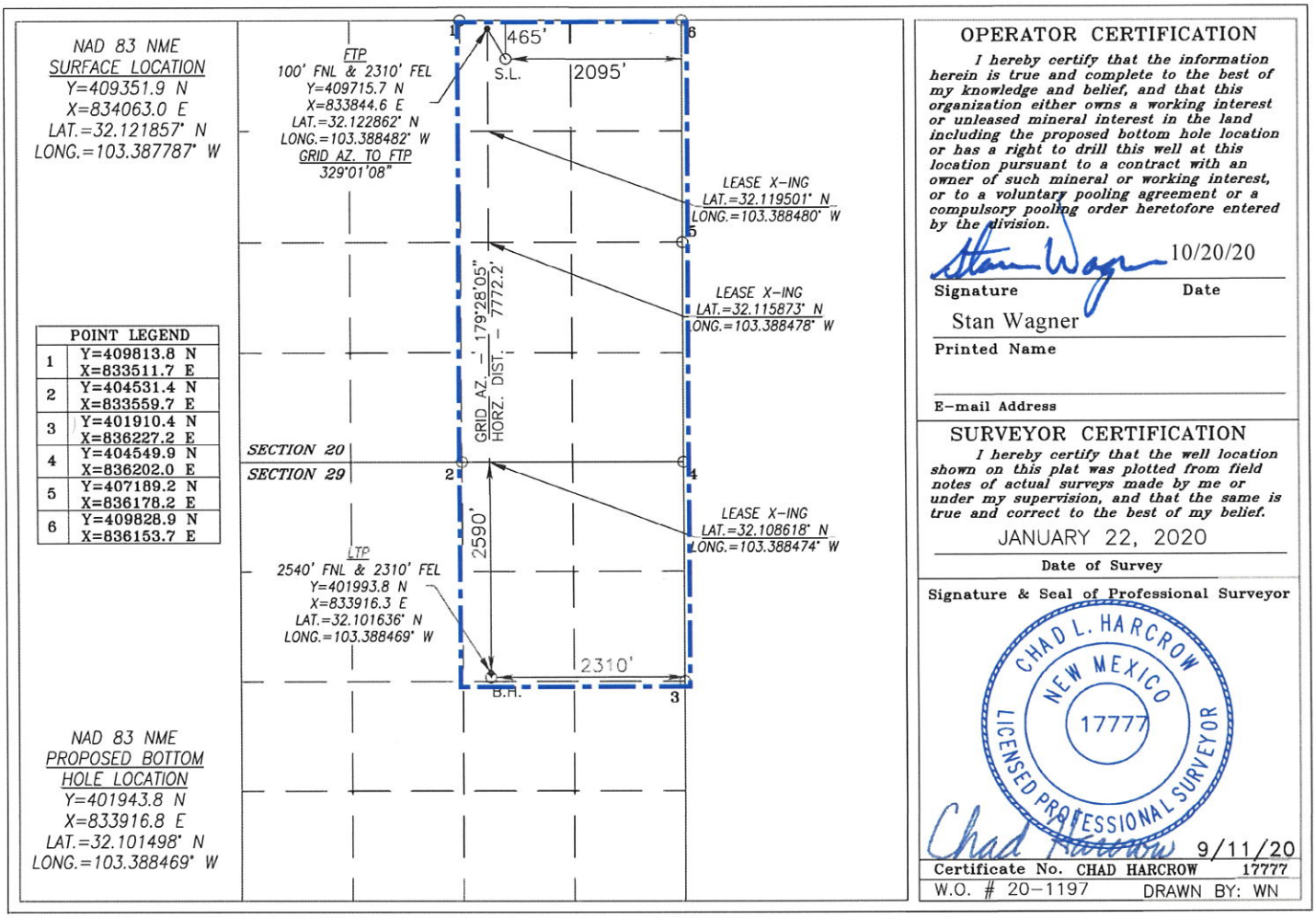
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
B	20	25-S	35-E		465	NORTH	2095	EAST	LEA

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
G	29	25-S	35-E		2590	NORTH	2310	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
480			

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



OPERATOR CERTIFICATION

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

Stan Wagner 10/20/20
Signature Date

Stan Wagner
Printed Name

E-mail Address

SURVEYOR CERTIFICATION

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

JANUARY 22, 2020
Date of Survey

Signature & Seal of Professional Surveyor

CHAD L. HARCROW
NEW MEXICO
17777
LICENSED PROFESSIONAL SURVEYOR

Chad Harcrow 9/11/20
Certificate No. CHAD HARCROW 17777
W.O. # 20-1197 DRAWN BY: WN

Intent [X] As Drilled [ ]

API #
30-025-47819

Operator Name:	Property Name:	Well Number
COG Operating LLC	Green Beret Federal Com	501H

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	20	25S	35E						Lea

Latitude	Longitude	NAD
		83

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
B	20	25S	35E		100	North	2310	East	Lea

Latitude	Longitude	NAD
32.122862	-103.388482	NAD 83

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet	From N/S	Feet	From E/W	County
G	29	25S	35E		2540	North	2310	East	Lea

Latitude	Longitude	NAD
32.101636	-103.388469	NAD 83

Is this well the defining well for the Horizontal Spacing Unit? NO

Is this well an infill well? YES

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

API #
30-025-

Operator Name:	Property Name:	Well Number
COG Operating LLC	Green Beret Federal Com	602H

KZ 06/29/2018

DELAWARE BASIN EAST

BULLDOG PROSPECT (NM-E)
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)
GREEN BERET FED COM #501H

OWB
PWP2

Anticollision Report

17 September, 2020

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**Survey Calculation Method:**	Minimum Curvature
Well Error:	3.0 usft	**Output errors are at**	2.00 sigma
Reference Wellbore	OWB	**Database:**	edm
Reference Design:	PWP2	**Offset TVD Reference:**	Offset Datum

Reference PWP2

Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	Stations	**Error Model:**	ISCWSA
Depth Range:	Unlimited	**Scan Method:**	Closest Approach 3D
Results Limited by:	Maximum ellipse separation of 1,000.0 usft	**Error Surface:**	Pedal Curve
Warning Levels Evaluated at:	2.00 **Sigma**	**Casing Method:**	Not applied

Survey Tool Program **Date** 9/17/2020

From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.0	18,607.0	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

Summary

Site Name Offset Well - Wellbore - Design	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)						
GREEN BERET FED COM #602H - OWB - PWP1	2,500.0	2,498.7	60.0	47.3	4.730	CC, ES
GREEN BERET FED COM #602H - OWB - PWP1	2,600.0	2,597.3	61.3	48.3	4.697	SF
GREEN BERET FED COM #701H - OWB - PWP2	11,948.1	11,894.0	329.3	273.2	5.869	CC
GREEN BERET FED COM #701H - OWB - PWP2	18,607.7	18,553.6	329.9	196.4	2.470	ES, SF
GREEN BERET FED COM #702H - OWB - PWP1	2,416.4	2,417.3	30.0	17.6	2.424	CC
GREEN BERET FED COM #702H - OWB - PWP1	2,500.0	2,500.9	30.0	17.3	2.365	ES
GREEN BERET FED COM #702H - OWB - PWP1	2,600.0	2,600.5	30.5	17.4	2.336	SF
GREEN BERET FED COM #801H - OWB - PWP1	2,500.0	2,500.0	30.0	17.3	2.365	CC
GREEN BERET FED COM #801H - OWB - PWP1	2,600.0	2,600.0	30.3	17.2	2.316	ES, SF

Offset Design GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 11880-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	89.71	0.3	60.0	60.0				
100.0	100.0	98.7	98.7	3.0	3.0	89.71	0.3	60.0	60.0	54.0	6.00	9.995	
200.0	200.0	198.7	198.7	3.0	3.0	89.71	0.3	60.0	60.0	54.0	6.04	9.932	
300.0	300.0	298.7	298.7	3.1	3.0	89.71	0.3	60.0	60.0	53.9	6.12	9.800	
400.0	400.0	398.7	398.7	3.2	3.0	89.71	0.3	60.0	60.0	53.8	6.24	9.611	
500.0	500.0	498.7	498.7	3.4	3.1	89.71	0.3	60.0	60.0	53.6	6.40	9.375	
600.0	600.0	598.7	598.7	3.6	3.1	89.71	0.3	60.0	60.0	53.4	6.59	9.108	
700.0	700.0	698.7	698.7	3.8	3.1	89.71	0.3	60.0	60.0	53.2	6.80	8.820	
800.0	800.0	798.7	798.7	4.0	3.2	89.71	0.3	60.0	60.0	53.0	7.04	8.521	
900.0	900.0	898.7	898.7	4.2	3.2	89.71	0.3	60.0	60.0	52.7	7.30	8.220	
1,000.0	1,000.0	998.7	998.7	4.5	3.2	89.71	0.3	60.0	60.0	52.4	7.57	7.922	
1,100.0	1,100.0	1,098.7	1,098.7	4.8	3.3	89.71	0.3	60.0	60.0	52.1	7.86	7.631	
1,200.0	1,200.0	1,198.7	1,198.7	5.1	3.4	89.71	0.3	60.0	60.0	51.8	8.16	7.350	
1,300.0	1,300.0	1,298.7	1,298.7	5.4	3.4	89.71	0.3	60.0	60.0	51.5	8.48	7.079	
1,400.0	1,400.0	1,398.7	1,398.7	5.7	3.5	89.71	0.3	60.0	60.0	51.2	8.80	6.821	
1,500.0	1,500.0	1,498.7	1,498.7	6.0	3.5	89.71	0.3	60.0	60.0	50.9	9.12	6.576	
1,600.0	1,600.0	1,598.7	1,598.7	6.3	3.6	89.71	0.3	60.0	60.0	50.5	9.46	6.343	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - F — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 11880-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
1,700.0	1,700.0	1,698.7	1,698.7	6.6	3.7	89.71	0.3	60.0	60.0	50.2	9.80	6.122	
1,800.0	1,800.0	1,798.7	1,798.7	6.9	3.8	89.71	0.3	60.0	60.0	49.9	10.15	5.913	
1,900.0	1,900.0	1,898.7	1,898.7	7.2	3.9	89.71	0.3	60.0	60.0	49.5	10.50	5.715	
2,000.0	2,000.0	1,998.7	1,998.7	7.6	3.9	89.71	0.3	60.0	60.0	49.1	10.85	5.528	
2,100.0	2,100.0	2,098.7	2,098.7	7.9	4.0	89.71	0.3	60.0	60.0	48.8	11.21	5.351	
2,200.0	2,200.0	2,198.7	2,198.7	8.2	4.1	89.71	0.3	60.0	60.0	48.4	11.58	5.183	
2,300.0	2,300.0	2,298.7	2,298.7	8.6	4.2	89.71	0.3	60.0	60.0	48.1	11.94	5.024	
2,400.0	2,400.0	2,398.7	2,398.7	8.9	4.3	89.71	0.3	60.0	60.0	47.7	12.31	4.873	
2,500.0	2,500.0	2,498.7	2,498.7	9.2	4.4	89.71	0.3	60.0	60.0	47.3	12.69	4.730	CC, ES
2,600.0	2,600.0	2,597.3	2,597.3	9.6	4.5	97.03	1.5	61.1	61.3	48.3	13.06	4.697	SF
2,700.0	2,699.8	2,696.2	2,696.0	9.9	4.6	98.21	5.2	64.4	65.3	51.9	13.43	4.864	
2,800.0	2,799.6	2,796.0	2,795.7	10.3	4.6	100.12	9.7	68.4	70.2	56.4	13.80	5.088	
2,900.0	2,899.4	2,895.9	2,895.4	10.6	4.7	101.79	14.1	72.4	75.2	61.0	14.18	5.304	
3,000.0	2,999.1	2,995.7	2,995.0	10.9	4.8	103.24	18.6	76.4	80.3	65.7	14.56	5.512	
3,100.0	3,098.9	3,095.6	3,094.7	11.3	4.9	104.52	23.1	80.3	85.4	70.4	14.95	5.711	
3,200.0	3,198.6	3,195.4	3,194.4	11.6	5.0	105.65	27.5	84.3	90.5	75.2	15.33	5.902	
3,300.0	3,298.4	3,295.3	3,294.0	12.0	5.1	106.67	32.0	88.3	95.7	79.9	15.72	6.085	
3,400.0	3,398.1	3,395.1	3,393.7	12.3	5.2	107.58	36.4	92.3	100.9	84.7	16.11	6.260	
3,500.0	3,497.9	3,495.0	3,493.4	12.7	5.3	108.40	40.9	96.3	106.1	89.6	16.50	6.427	
3,600.0	3,597.6	3,594.8	3,593.1	13.0	5.4	109.14	45.4	100.3	111.3	94.4	16.89	6.588	
3,700.0	3,697.4	3,694.7	3,692.7	13.4	5.5	109.82	49.8	104.3	116.5	99.3	17.29	6.741	
3,800.0	3,797.2	3,794.5	3,792.4	13.7	5.6	110.44	54.3	108.3	121.8	104.1	17.68	6.888	
3,900.0	3,896.9	3,894.4	3,892.1	14.1	5.7	111.00	58.7	112.2	127.1	109.0	18.08	7.028	
4,000.0	3,996.7	3,994.2	3,991.8	14.4	5.8	111.53	63.2	116.2	132.4	113.9	18.48	7.162	
4,100.0	4,096.4	4,094.1	4,091.4	14.8	5.9	112.01	67.7	120.2	137.7	118.8	18.88	7.291	
4,200.0	4,196.2	4,193.9	4,191.1	15.1	6.0	112.45	72.1	124.2	143.0	123.7	19.28	7.414	
4,300.0	4,295.9	4,293.8	4,290.8	15.5	6.1	112.87	76.6	128.2	148.3	128.6	19.69	7.532	
4,400.0	4,395.7	4,393.7	4,390.5	15.8	6.2	113.25	81.0	132.2	153.6	133.5	20.09	7.646	
4,500.0	4,495.5	4,493.5	4,490.1	16.2	6.3	113.61	85.5	136.2	158.9	138.4	20.50	7.754	
4,600.0	4,595.2	4,593.4	4,589.8	16.5	6.4	113.95	89.9	140.1	164.3	143.4	20.90	7.858	
4,700.0	4,695.0	4,693.2	4,689.5	16.9	6.5	114.26	94.4	144.1	169.6	148.3	21.31	7.958	
4,800.0	4,794.7	4,793.1	4,789.2	17.3	6.6	114.56	98.9	148.1	175.0	153.2	21.72	8.054	
4,900.0	4,894.5	4,892.9	4,888.8	17.6	6.7	114.84	103.3	152.1	180.3	158.2	22.13	8.147	
5,000.0	4,994.2	4,992.8	4,988.5	18.0	6.8	115.10	107.8	156.1	185.7	163.1	22.55	8.235	
5,100.0	5,094.0	5,092.6	5,088.2	18.3	6.9	115.35	112.2	160.1	191.0	168.1	22.96	8.320	
5,200.0	5,193.7	5,192.5	5,187.9	18.7	7.0	115.58	116.7	164.1	196.4	173.0	23.37	8.402	
5,300.0	5,293.5	5,292.3	5,287.5	19.0	7.2	115.80	121.2	168.0	201.7	178.0	23.79	8.481	
5,400.0	5,393.3	5,392.2	5,387.2	19.4	7.3	116.01	125.6	172.0	207.1	182.9	24.20	8.557	
5,500.0	5,493.0	5,492.0	5,486.9	19.7	7.4	116.21	130.1	176.0	212.5	187.9	24.62	8.630	
5,600.0	5,592.8	5,591.9	5,586.5	20.1	7.5	116.40	134.5	180.0	217.8	192.8	25.04	8.700	
5,700.0	5,692.5	5,691.7	5,686.2	20.5	7.6	116.58	139.0	184.0	223.2	197.8	25.46	8.768	
5,800.0	5,792.3	5,791.6	5,785.9	20.8	7.7	116.75	143.5	188.0	228.6	202.7	25.88	8.833	
5,900.0	5,892.0	5,891.5	5,885.6	21.2	7.8	116.92	147.9	192.0	234.0	207.7	26.30	8.896	
6,000.0	5,991.8	5,991.3	5,985.2	21.5	8.0	117.07	152.4	195.9	239.4	212.6	26.72	8.957	
6,100.0	6,091.6	6,091.2	6,084.9	21.9	8.1	117.22	156.8	199.9	244.7	217.6	27.14	9.016	
6,200.0	6,191.3	6,191.0	6,184.6	22.2	8.2	117.37	161.3	203.9	250.1	222.5	27.57	9.073	
6,300.0	6,291.1	6,290.9	6,284.3	22.6	8.3	117.51	165.7	207.9	255.5	227.5	27.99	9.127	
6,400.0	6,390.8	6,390.7	6,383.9	23.0	8.4	117.64	170.2	211.9	260.9	232.5	28.42	9.180	
6,500.0	6,490.6	6,490.6	6,483.6	23.3	8.5	117.76	174.7	215.9	266.3	237.4	28.84	9.231	
6,600.0	6,590.3	6,590.4	6,583.3	23.7	8.7	117.88	179.1	219.9	271.7	242.4	29.27	9.281	
6,700.0	6,690.1	6,690.3	6,683.0	24.0	8.8	118.00	183.6	223.8	277.0	247.3	29.70	9.328	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 11880-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
6,800.0	6,789.9	6,790.1	6,782.6	24.4	8.9	118.11	188.0	227.8	282.4	252.3	30.13	9.375	
6,900.0	6,889.6	6,890.0	6,882.3	24.7	9.0	118.22	192.5	231.8	287.8	257.3	30.56	9.419	
7,000.0	6,989.4	6,989.8	6,982.0	25.1	9.1	118.33	197.0	235.8	293.2	262.2	30.99	9.463	
7,100.0	7,089.1	7,089.7	7,081.7	25.5	9.3	118.43	201.4	239.8	298.6	267.2	31.42	9.504	
7,200.0	7,188.9	7,189.5	7,181.3	25.8	9.4	118.52	205.9	243.8	304.0	272.2	31.85	9.545	
7,300.0	7,288.6	7,289.4	7,281.0	26.2	9.5	118.62	210.3	247.8	309.4	277.1	32.28	9.584	
7,400.0	7,388.4	7,389.2	7,380.7	26.5	9.6	118.71	214.8	251.8	314.8	282.1	32.71	9.622	
7,500.0	7,488.1	7,489.1	7,480.3	26.9	9.7	118.79	219.3	255.7	320.2	287.0	33.15	9.659	
7,600.0	7,587.9	7,589.0	7,580.0	27.2	9.9	118.88	223.7	259.7	325.6	292.0	33.58	9.695	
7,700.0	7,687.7	7,688.8	7,679.7	27.6	10.0	118.96	228.2	263.7	331.0	297.0	34.02	9.730	
7,800.0	7,787.4	7,788.7	7,779.4	28.0	10.1	119.04	232.6	267.7	336.4	301.9	34.45	9.764	
7,900.0	7,887.2	7,888.5	7,879.0	28.3	10.2	119.11	237.1	271.7	341.8	306.9	34.89	9.796	
8,000.0	7,986.9	7,988.4	7,978.7	28.7	10.3	119.19	241.5	275.7	347.2	311.9	35.33	9.828	
8,100.0	8,086.7	8,088.2	8,078.4	29.0	10.5	119.26	246.0	279.7	352.6	316.8	35.76	9.859	
8,200.0	8,186.4	8,188.1	8,178.1	29.4	10.6	119.33	250.5	283.6	358.0	321.8	36.20	9.889	
8,300.0	8,286.2	8,287.9	8,277.7	29.8	10.7	119.40	254.9	287.6	363.4	326.7	36.64	9.918	
8,400.0	8,386.0	8,387.8	8,377.4	30.1	10.8	119.46	259.4	291.6	368.8	331.7	37.08	9.946	
8,473.7	8,459.5	8,461.4	8,450.9	30.4	10.9	119.51	262.7	294.6	372.8	335.4	37.40	9.966	
8,500.0	8,485.7	8,487.6	8,477.1	30.5	11.0	119.53	263.8	295.6	374.1	336.6	37.52	9.972	
8,600.0	8,585.6	8,587.5	8,576.8	30.8	11.1	119.32	268.3	299.6	378.2	340.3	37.96	9.963	
8,673.7	8,659.3	8,661.1	8,650.3	31.1	11.2	111.96	271.6	302.5	380.2	341.9	38.30	9.927	
8,700.0	8,685.6	8,687.4	8,676.5	31.2	11.2	111.73	272.8	303.6	380.7	342.3	38.42	9.910	
8,800.0	8,785.6	8,787.2	8,776.1	31.5	11.3	110.89	277.2	307.6	382.8	343.9	38.87	9.847	
8,900.0	8,885.6	8,887.0	8,875.8	31.9	11.4	110.06	281.7	311.5	385.0	345.7	39.34	9.787	
9,000.0	8,985.6	8,986.8	8,975.4	32.3	11.6	109.24	286.1	315.5	387.3	347.5	39.80	9.730	
9,100.0	9,085.6	9,086.7	9,075.0	32.6	11.7	108.43	290.6	319.5	389.6	349.3	40.27	9.675	
9,200.0	9,185.6	9,186.5	9,174.7	33.0	11.8	107.62	295.0	323.5	392.0	351.3	40.74	9.623	
9,300.0	9,285.6	9,286.3	9,274.3	33.3	11.9	106.83	299.5	327.5	394.5	353.3	41.21	9.573	
9,400.0	9,385.6	9,386.1	9,374.0	33.7	12.1	106.05	304.0	331.5	397.1	355.4	41.69	9.525	
9,500.0	9,485.6	9,485.9	9,473.6	34.0	12.2	105.28	308.4	335.5	399.7	357.5	42.17	9.479	
9,600.0	9,585.6	9,585.8	9,573.2	34.4	12.3	104.51	312.9	339.4	402.4	359.8	42.65	9.436	
9,700.0	9,685.6	9,685.6	9,672.9	34.7	12.4	103.76	317.3	343.4	405.2	362.1	43.13	9.394	
9,800.0	9,785.6	9,785.4	9,772.5	35.1	12.6	103.02	321.8	347.4	408.1	364.4	43.62	9.355	
9,900.0	9,885.6	9,885.2	9,872.2	35.5	12.7	102.29	326.2	351.4	411.0	366.9	44.11	9.318	
10,000.0	9,985.6	9,985.0	9,971.8	35.8	12.8	101.57	330.7	355.4	414.0	369.4	44.60	9.282	
10,100.0	10,085.6	10,084.9	10,071.5	36.2	12.9	100.86	335.2	359.4	417.0	371.9	45.09	9.248	
10,200.0	10,185.6	10,184.7	10,171.1	36.5	13.1	100.16	339.6	363.3	420.1	374.6	45.59	9.216	
10,300.0	10,285.6	10,284.5	10,270.7	36.9	13.2	99.47	344.1	367.3	423.3	377.2	46.08	9.186	
10,400.0	10,385.6	10,384.3	10,370.4	37.2	13.3	98.79	348.5	371.3	426.6	380.0	46.58	9.157	
10,494.9	10,480.5	10,479.0	10,464.9	37.6	13.4	98.16	352.8	375.1	429.7	382.6	47.05	9.131	
10,500.0	10,485.6	10,484.1	10,470.0	37.6	13.4	-96.11	353.0	375.3	429.9	382.8	47.08	9.130	
10,525.0	10,510.6	10,509.0	10,494.9	37.7	13.5	-96.28	354.1	376.3	430.8	383.6	47.20	9.126	
10,550.0	10,535.5	10,533.8	10,519.5	37.7	13.5	-96.61	355.2	377.3	431.9	384.5	47.34	9.123	
10,575.0	10,560.2	10,558.3	10,544.0	37.8	13.5	-97.07	356.3	378.3	433.2	385.7	47.48	9.123	
10,600.0	10,584.8	10,582.5	10,568.2	37.9	13.6	-97.65	357.4	379.2	434.7	387.0	47.64	9.125	
10,625.0	10,609.0	10,606.4	10,592.0	38.0	13.6	-98.35	358.5	380.2	436.5	388.7	47.80	9.131	
10,650.0	10,632.9	10,629.8	10,615.5	38.0	13.6	-99.13	359.5	381.1	438.6	390.6	47.98	9.142	
10,675.0	10,656.4	10,652.8	10,638.4	38.1	13.7	-99.98	360.5	382.0	441.1	392.9	48.16	9.158	
10,700.0	10,679.4	10,675.2	10,660.8	38.2	13.7	-100.88	361.5	382.9	444.1	395.7	48.36	9.183	
10,725.0	10,701.8	10,697.1	10,682.6	38.2	13.7	-101.81	362.5	383.8	447.5	399.0	48.56	9.216	
10,750.0	10,723.6	10,718.2	10,703.7	38.3	13.7	-102.72	363.4	384.6	451.6	402.9	48.77	9.260	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #602H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 11880-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,775.0	10,744.8	10,738.6	10,724.1	38.3	13.8	-103.61	364.4	385.5	456.4	407.4	48.99	9.315	
10,800.0	10,765.3	10,758.3	10,743.7	38.4	13.8	-104.45	365.2	386.2	461.9	412.7	49.22	9.384	
10,825.0	10,784.9	10,777.1	10,762.5	38.4	13.8	-105.20	366.1	387.0	468.2	418.7	49.45	9.468	
10,850.0	10,803.8	10,795.0	10,780.3	38.5	13.8	-105.85	366.9	387.7	475.3	425.6	49.68	9.567	
10,875.0	10,821.7	10,812.0	10,797.3	38.5	13.9	-106.37	367.6	388.4	483.3	433.4	49.91	9.684	
10,900.0	10,838.7	10,828.0	10,813.3	38.6	13.9	-106.73	368.4	389.0	492.2	442.1	50.13	9.819	
10,925.0	10,854.8	10,843.0	10,828.2	38.6	13.9	-106.91	369.0	389.6	502.1	451.8	50.35	9.973	
10,950.0	10,869.8	10,856.9	10,842.1	38.7	13.9	-106.90	369.6	390.2	513.0	462.4	50.56	10.146	
10,975.0	10,883.7	10,869.7	10,854.9	38.7	13.9	-106.67	370.2	390.7	524.8	474.1	50.76	10.339	
11,000.0	10,896.5	10,881.4	10,866.6	38.7	13.9	-106.19	370.7	391.2	537.6	486.6	50.95	10.550	
11,025.0	10,908.2	10,891.9	10,877.0	38.8	14.0	-105.44	371.2	391.6	551.2	500.1	51.13	10.781	
11,050.0	10,918.7	10,901.2	10,886.3	38.8	14.0	-104.41	371.6	391.9	565.8	514.5	51.30	11.030	
11,075.0	10,928.1	10,909.3	10,894.4	38.8	14.0	-103.07	372.0	392.3	581.2	529.7	51.45	11.297	
11,100.0	10,936.1	10,916.1	10,901.2	38.8	14.0	-101.39	372.3	392.5	597.4	545.8	51.58	11.580	
11,125.0	10,943.0	10,921.7	10,906.7	38.9	14.0	-99.37	372.5	392.8	614.2	562.5	51.71	11.879	
11,150.0	10,948.6	10,925.9	10,911.0	38.9	14.0	-96.98	372.7	392.9	631.8	580.0	51.82	12.192	
11,175.0	10,952.9	10,928.9	10,914.0	38.9	14.0	-94.22	372.9	393.1	649.9	598.0	51.91	12.518	
11,200.0	10,955.9	10,930.6	10,915.6	38.9	14.0	-91.10	372.9	393.1	668.5	616.5	52.00	12.856	
11,225.0	10,957.6	10,930.9	10,916.0	38.9	14.0	-87.62	372.9	393.1	687.5	635.5	52.07	13.203	
11,242.3	10,958.0	10,930.4	10,915.5	38.9	14.0	-85.03	372.9	393.1	700.9	648.8	52.12	13.448	
11,300.0	10,958.3	10,927.7	10,912.8	38.9	14.0	-84.93	372.8	393.0	745.9	693.7	52.25	14.276	
11,400.0	10,958.8	10,923.2	10,908.2	39.0	14.0	-84.83	372.6	392.8	824.5	772.1	52.42	15.728	
11,500.0	10,959.4	10,918.9	10,903.9	39.1	14.0	-84.81	372.4	392.7	903.5	850.9	52.55	17.193	
11,600.0	10,959.9	10,914.8	10,899.9	39.1	14.0	-84.85	372.2	392.5	982.3	929.6	52.64	18.661	
11,611.7	10,960.0	10,914.3	10,899.4	39.2	14.0	-84.85	372.2	392.5	991.5	938.9	52.64	18.834	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12121-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,900.0	5,892.0	5,990.6	5,972.6	21.2	7.3	100.02	181.0	963.8	997.9	970.5	27.39	36.436	
6,000.0	5,991.8	6,090.1	6,071.5	21.5	7.4	100.32	183.3	953.7	988.8	961.0	27.86	35.492	
6,100.0	6,091.6	6,189.5	6,170.4	21.9	7.5	100.61	185.6	943.6	979.8	951.4	28.33	34.578	
6,200.0	6,191.3	6,289.0	6,269.3	22.2	7.6	100.92	188.0	933.5	970.7	941.9	28.81	33.694	
6,300.0	6,291.1	6,388.5	6,368.3	22.6	7.7	101.22	190.3	923.3	961.7	932.4	29.29	32.839	
6,400.0	6,390.8	6,487.9	6,467.2	23.0	7.9	101.54	192.6	913.2	952.7	923.0	29.76	32.010	
6,500.0	6,490.6	6,587.4	6,566.1	23.3	8.0	101.86	195.0	903.1	943.8	913.5	30.24	31.208	
6,600.0	6,590.3	6,686.8	6,665.0	23.7	8.1	102.19	197.3	892.9	934.9	904.1	30.72	30.430	
6,700.0	6,690.1	6,786.3	6,763.9	24.0	8.2	102.52	199.7	882.8	926.0	894.8	31.20	29.677	
6,800.0	6,789.9	6,885.8	6,862.8	24.4	8.3	102.86	202.0	872.7	917.1	885.4	31.68	28.946	
6,900.0	6,889.6	6,985.2	6,961.7	24.7	8.4	103.20	204.3	862.5	908.3	876.1	32.17	28.237	
7,000.0	6,989.4	7,084.7	7,060.6	25.1	8.5	103.56	206.7	852.4	899.5	866.8	32.65	27.550	
7,100.0	7,089.1	7,184.1	7,159.6	25.5	8.7	103.92	209.0	842.3	890.7	857.6	33.13	26.883	
7,200.0	7,188.9	7,283.6	7,258.5	25.8	8.8	104.28	211.4	832.2	882.0	848.4	33.62	26.235	
7,300.0	7,288.6	7,383.0	7,357.4	26.2	8.9	104.66	213.7	822.0	873.3	839.2	34.11	25.607	
7,400.0	7,388.4	7,482.5	7,456.3	26.5	9.0	105.04	216.0	811.9	864.7	830.1	34.59	24.997	
7,500.0	7,488.1	7,582.0	7,555.2	26.9	9.1	105.43	218.4	801.8	856.1	821.0	35.08	24.404	
7,600.0	7,587.9	7,681.4	7,654.1	27.2	9.2	105.83	220.7	791.6	847.5	811.9	35.57	23.828	
7,700.0	7,687.7	7,780.9	7,753.0	27.6	9.4	106.23	223.0	781.5	839.0	802.9	36.06	23.268	
7,800.0	7,787.4	7,880.3	7,852.0	28.0	9.5	106.64	225.4	771.4	830.5	793.9	36.55	22.724	
7,900.0	7,887.2	7,979.8	7,950.9	28.3	9.6	107.07	227.7	761.2	822.1	785.0	37.04	22.195	
8,000.0	7,986.9	8,079.2	8,049.8	28.7	9.7	107.50	230.1	751.1	813.7	776.1	37.53	21.681	
8,100.0	8,086.7	8,178.7	8,148.7	29.0	9.8	107.93	232.4	741.0	805.3	767.3	38.02	21.180	
8,200.0	8,186.4	8,278.2	8,247.6	29.4	10.0	108.38	234.7	730.9	797.0	758.5	38.51	20.694	
8,300.0	8,286.2	8,377.6	8,346.5	29.8	10.1	108.84	237.1	720.7	788.8	749.8	39.01	20.221	
8,400.0	8,386.0	8,477.1	8,445.4	30.1	10.2	109.31	239.4	710.6	780.6	741.1	39.50	19.760	
8,473.7	8,459.5	8,550.4	8,518.3	30.4	10.3	109.66	241.1	703.1	774.6	734.7	39.87	19.429	
8,500.0	8,485.7	8,576.5	8,544.4	30.5	10.3	109.74	241.8	700.5	772.4	732.4	40.00	19.311	
8,600.0	8,585.6	8,676.1	8,643.3	30.8	10.4	109.87	244.1	690.3	763.4	722.9	40.48	18.856	
8,673.7	8,659.3	8,749.4	8,716.2	31.1	10.5	102.90	245.8	682.9	756.0	715.2	40.84	18.513	
8,700.0	8,685.6	8,775.5	8,742.2	31.2	10.6	102.90	246.4	680.2	753.2	712.3	40.96	18.389	
8,800.0	8,785.6	8,875.0	8,841.2	31.5	10.7	102.90	248.8	670.1	742.8	701.4	41.44	17.926	
8,900.0	8,885.6	8,974.4	8,940.1	31.9	10.8	102.90	251.1	659.9	732.3	690.4	41.91	17.474	
9,000.0	8,985.6	9,073.9	9,039.0	32.3	10.9	102.90	253.5	649.8	721.9	679.5	42.39	17.031	
9,100.0	9,085.6	9,173.3	9,137.9	32.6	11.1	102.90	255.8	639.7	711.4	668.6	42.86	16.599	
9,200.0	9,185.6	9,272.8	9,236.8	33.0	11.2	102.89	258.1	629.6	701.0	657.6	43.34	16.175	
9,300.0	9,285.6	9,372.2	9,335.7	33.3	11.3	102.89	260.5	619.4	690.5	646.7	43.81	15.761	
9,400.0	9,385.6	9,471.7	9,434.6	33.7	11.4	102.89	262.8	609.3	680.1	635.8	44.29	15.356	
9,500.0	9,485.6	9,571.1	9,533.5	34.0	11.6	102.89	265.1	599.2	669.6	624.9	44.76	14.959	
9,600.0	9,585.6	9,670.6	9,632.4	34.4	11.7	102.89	267.5	589.0	659.2	613.9	45.24	14.570	
9,700.0	9,685.6	9,770.1	9,731.3	34.7	11.8	102.89	269.8	578.9	648.7	603.0	45.72	14.190	
9,800.0	9,785.6	9,869.5	9,830.2	35.1	11.9	102.88	272.2	568.8	638.3	592.1	46.19	13.817	
9,900.0	9,885.6	9,969.0	9,929.1	35.5	12.1	102.88	274.5	558.7	627.8	581.1	46.67	13.452	
10,000.0	9,985.6	10,068.4	10,028.0	35.8	12.2	102.88	276.8	548.5	617.4	570.2	47.15	13.094	
10,100.0	10,085.6	10,167.9	10,126.9	36.2	12.3	102.88	279.2	538.4	606.9	559.3	47.63	12.743	
10,200.0	10,185.6	10,267.3	10,225.9	36.5	12.4	102.88	281.5	528.3	596.5	548.3	48.10	12.399	
10,300.0	10,285.6	10,366.8	10,324.8	36.9	12.6	102.87	283.9	518.1	586.0	537.4	48.58	12.062	
10,400.0	10,385.6	10,466.2	10,423.7	37.2	12.7	102.87	286.2	508.0	575.5	526.5	49.06	11.732	
10,494.9	10,480.5	10,576.1	10,532.7	37.6	12.8	103.28	285.0	495.1	565.0	515.5	49.48	11.418	
10,500.0	10,485.6	10,582.7	10,539.2	37.6	12.8	-90.96	284.4	494.0	564.3	514.8	49.50	11.399	
10,525.0	10,510.6	10,615.0	10,570.6	37.7	12.9	-90.93	279.9	488.4	560.8	511.2	49.60	11.306	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - F — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 12121-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
10,550.0	10,535.5	10,646.7	10,601.0	37.7	12.9	-90.88	273.6	482.0	557.0	507.3	49.71	11.206	
10,575.0	10,560.2	10,677.9	10,630.3	37.8	13.0	-90.83	265.7	474.9	553.0	503.2	49.81	11.101	
10,600.0	10,584.8	10,708.6	10,658.5	37.9	13.0	-90.78	256.1	467.2	548.7	498.8	49.93	10.989	
10,625.0	10,609.0	10,738.7	10,685.3	38.0	13.1	-90.72	245.1	459.0	544.2	494.1	50.05	10.873	
10,650.0	10,632.9	10,768.4	10,710.8	38.0	13.2	-90.66	232.8	450.3	539.5	489.3	50.18	10.751	
10,675.0	10,656.4	10,797.5	10,734.9	38.1	13.2	-90.60	219.3	441.2	534.6	484.3	50.31	10.626	
10,700.0	10,679.4	10,826.0	10,757.6	38.2	13.3	-90.53	204.7	431.8	529.6	479.1	50.46	10.495	
10,725.0	10,701.8	10,854.1	10,778.8	38.2	13.4	-90.47	189.1	422.0	524.4	473.8	50.61	10.362	
10,750.0	10,723.6	10,881.7	10,798.6	38.3	13.5	-90.40	172.7	412.1	519.1	468.3	50.77	10.225	
10,775.0	10,744.8	10,908.8	10,816.9	38.3	13.6	-90.33	155.5	401.9	513.7	462.8	50.94	10.085	
10,800.0	10,765.3	10,935.4	10,833.9	38.4	13.7	-90.26	137.7	391.6	508.3	457.2	51.11	9.944	
10,825.0	10,784.9	10,961.6	10,849.4	38.4	13.9	-90.19	119.4	381.2	502.8	451.5	51.30	9.802	
10,850.0	10,803.8	10,987.4	10,863.5	38.5	14.0	-90.12	100.5	370.7	497.3	445.8	51.49	9.659	
10,875.0	10,821.7	11,012.7	10,876.2	38.5	14.1	-90.04	81.2	360.2	491.7	440.0	51.68	9.515	
10,900.0	10,838.7	11,037.7	10,887.6	38.6	14.3	-89.96	61.6	349.7	486.2	434.3	51.87	9.372	
10,925.0	10,854.8	11,062.4	10,897.7	38.6	14.4	-89.88	41.8	339.2	480.6	428.6	52.07	9.230	
10,950.0	10,869.8	11,086.7	10,906.5	38.7	14.5	-89.80	21.7	328.8	475.2	422.9	52.27	9.090	
10,975.0	10,883.7	11,110.7	10,914.1	38.7	14.7	-89.70	1.4	318.4	469.7	417.2	52.47	8.951	
11,000.0	10,896.5	11,134.4	10,920.5	38.7	14.8	-89.61	-19.0	308.1	464.3	411.7	52.67	8.815	
11,025.0	10,908.2	11,157.8	10,925.6	38.8	15.0	-89.51	-39.4	297.9	459.0	406.2	52.87	8.682	
11,050.0	10,918.7	11,181.0	10,929.6	38.8	15.1	-89.41	-59.8	287.8	453.8	400.7	53.06	8.552	
11,075.0	10,928.1	11,203.9	10,932.5	38.8	15.3	-89.29	-80.3	277.9	448.7	395.4	53.25	8.426	
11,100.0	10,936.1	11,226.6	10,934.3	38.8	15.5	-89.18	-100.7	268.1	443.7	390.3	53.43	8.304	
11,125.0	10,943.0	11,249.0	10,935.0	38.9	15.6	-89.06	-121.0	258.5	438.8	385.2	53.61	8.186	
11,150.0	10,948.6	11,267.6	10,935.1	38.9	15.8	-89.08	-137.8	250.6	434.2	380.5	53.72	8.083	
11,175.0	10,952.9	11,286.3	10,935.2	38.9	15.9	-89.19	-154.9	243.0	429.9	376.1	53.81	7.988	
11,200.0	10,955.9	11,300.0	10,935.2	38.9	16.0	-89.44	-167.4	237.5	426.0	372.2	53.82	7.915	
11,225.0	10,957.6	11,324.2	10,935.4	38.9	16.2	-89.65	-189.8	228.2	422.3	368.3	53.99	7.821	
11,242.3	10,958.0	11,337.4	10,935.5	38.9	16.3	-89.90	-202.0	223.2	420.0	365.9	54.05	7.770	
11,300.0	10,958.3	11,381.7	10,935.7	38.9	16.6	-89.89	-243.4	207.5	412.2	358.0	54.22	7.602	
11,400.0	10,958.8	11,458.9	10,936.1	39.0	17.2	-89.86	-316.6	183.1	397.4	342.9	54.53	7.288	
11,500.0	10,959.4	11,536.4	10,936.6	39.1	17.8	-89.84	-391.4	162.6	381.1	326.3	54.83	6.951	
11,600.0	10,959.9	11,614.5	10,937.0	39.1	18.4	-89.81	-467.7	146.1	363.3	308.2	55.13	6.590	
11,611.7	10,960.0	11,623.7	10,937.0	39.2	18.4	-89.81	-476.8	144.4	361.1	306.0	55.17	6.546	
11,700.0	10,960.5	11,700.0	10,937.5	39.2	19.0	-89.80	-552.1	132.8	346.8	291.1	55.63	6.234	
11,800.0	10,961.0	11,773.8	10,937.9	39.3	19.6	-89.80	-625.6	125.4	335.5	279.8	55.71	6.023	
11,900.0	10,961.5	11,854.9	10,938.3	39.5	20.2	-89.80	-706.5	121.7	330.0	274.0	55.99	5.894	
11,948.1	10,961.8	11,894.0	10,938.5	39.5	20.5	-89.80	-745.7	121.5	329.3	273.2	56.12	5.869 CC	
12,000.0	10,962.1	11,945.9	10,938.8	39.6	20.9	-89.80	-797.5	122.0	329.3	272.7	56.65	5.813	
12,100.0	10,962.6	12,045.9	10,939.4	39.8	21.7	-89.80	-897.5	122.9	329.3	271.6	57.73	5.704	
12,200.0	10,963.2	12,145.9	10,939.9	40.0	27.3	-89.80	-997.5	123.9	329.4	270.7	58.65	5.615	
12,300.0	10,963.7	12,245.9	10,940.5	40.2	37.3	-89.80	-1,097.5	124.8	329.4	270.2	59.14	5.569	
12,400.0	10,964.3	12,345.9	10,941.0	40.4	37.4	-89.80	-1,197.5	125.7	329.4	269.9	59.43	5.542	
12,500.0	10,964.8	12,445.9	10,941.6	40.6	37.5	-89.80	-1,297.5	126.6	329.4	269.6	59.77	5.511	
12,600.0	10,965.3	12,545.9	10,942.1	40.9	37.7	-89.80	-1,397.5	127.6	329.4	269.2	60.16	5.475	
12,700.0	10,965.9	12,645.9	10,942.7	41.1	37.8	-89.80	-1,497.5	128.5	329.4	268.8	60.61	5.434	
12,800.0	10,966.4	12,745.9	10,943.2	41.4	37.9	-89.80	-1,597.5	129.4	329.4	268.3	61.12	5.390	
12,900.0	10,967.0	12,845.9	10,943.8	41.7	38.1	-89.80	-1,697.5	130.4	329.4	267.7	61.67	5.342	
13,000.0	10,967.5	12,945.9	10,944.3	42.0	38.2	-89.81	-1,797.5	131.3	329.4	267.2	62.27	5.290	
13,100.0	10,968.1	13,045.9	10,944.8	42.4	38.4	-89.81	-1,897.5	132.2	329.4	266.5	62.92	5.236	
13,200.0	10,968.6	13,145.9	10,945.4	42.7	38.5	-89.81	-1,997.5	133.1	329.4	265.8	63.62	5.179	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12121-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
13,300.0	10,969.1	13,245.9	10,945.9	43.1	38.6	-89.81	-2,097.4	134.1	329.5	265.1	64.36	5.119	
13,400.0	10,969.7	13,345.9	10,946.5	43.5	38.8	-89.81	-2,197.4	135.0	329.5	264.3	65.14	5.058	
13,500.0	10,970.2	13,445.9	10,947.0	43.8	38.9	-89.81	-2,297.4	135.9	329.5	263.5	65.96	4.995	
13,600.0	10,970.8	13,545.9	10,947.6	44.2	39.1	-89.81	-2,397.4	136.9	329.5	262.7	66.82	4.931	
13,700.0	10,971.3	13,645.9	10,948.1	44.7	39.2	-89.81	-2,497.4	137.8	329.5	261.8	67.72	4.866	
13,800.0	10,971.9	13,745.9	10,948.7	45.1	39.4	-89.81	-2,597.4	138.7	329.5	260.8	68.65	4.800	
13,900.0	10,972.4	13,845.9	10,949.2	45.5	39.5	-89.81	-2,697.4	139.6	329.5	259.9	69.61	4.734	
14,000.0	10,973.0	13,945.9	10,949.8	46.0	39.7	-89.81	-2,797.4	140.6	329.5	258.9	70.60	4.667	
14,100.0	10,973.5	14,045.9	10,950.3	46.5	39.8	-89.81	-2,897.4	141.5	329.5	257.9	71.63	4.600	
14,200.0	10,974.0	14,145.9	10,950.9	46.9	40.0	-89.81	-2,997.4	142.4	329.5	256.8	72.68	4.534	
14,300.0	10,974.6	14,245.9	10,951.4	47.4	40.2	-89.81	-3,097.4	143.4	329.5	255.8	73.76	4.468	
14,400.0	10,975.1	14,345.9	10,952.0	47.9	40.3	-89.81	-3,197.4	144.3	329.5	254.7	74.87	4.402	
14,500.0	10,975.7	14,445.9	10,952.5	48.4	40.5	-89.82	-3,297.4	145.2	329.6	253.6	75.99	4.337	
14,600.0	10,976.2	14,545.9	10,953.1	48.9	40.7	-89.82	-3,397.4	146.2	329.6	252.4	77.15	4.272	
14,700.0	10,976.8	14,645.9	10,953.6	49.5	40.8	-89.82	-3,497.4	147.1	329.6	251.3	78.32	4.208	
14,800.0	10,977.3	14,745.9	10,954.2	50.0	41.0	-89.82	-3,597.4	148.0	329.6	250.1	79.51	4.145	
14,900.0	10,977.8	14,845.9	10,954.7	50.6	41.2	-89.82	-3,697.4	148.9	329.6	248.9	80.72	4.083	
15,000.0	10,978.4	14,945.9	10,955.2	51.1	41.4	-89.82	-3,797.3	149.9	329.6	247.6	81.96	4.022	
15,100.0	10,978.9	15,045.9	10,955.8	51.7	41.6	-89.82	-3,897.3	150.8	329.6	246.4	83.21	3.961	
15,200.0	10,979.5	15,145.9	10,956.3	52.2	41.8	-89.82	-3,997.3	151.7	329.6	245.1	84.47	3.902	
15,300.0	10,980.0	15,245.9	10,956.9	52.8	42.0	-89.82	-4,097.3	152.7	329.6	243.9	85.75	3.844	
15,400.0	10,980.6	15,345.9	10,957.4	53.4	42.2	-89.82	-4,197.3	153.6	329.6	242.6	87.05	3.787	
15,500.0	10,981.1	15,445.9	10,958.0	54.0	42.4	-89.82	-4,297.3	154.5	329.6	241.3	88.36	3.731	
15,600.0	10,981.7	15,545.9	10,958.5	54.6	42.6	-89.82	-4,397.3	155.4	329.6	240.0	89.69	3.676	
15,700.0	10,982.2	15,645.9	10,959.1	55.2	42.9	-89.82	-4,497.3	156.4	329.7	238.6	91.03	3.622	
15,800.0	10,982.7	15,745.9	10,959.6	55.8	43.1	-89.82	-4,597.3	157.3	329.7	237.3	92.38	3.569	
15,900.0	10,983.3	15,845.9	10,960.2	56.5	43.4	-89.82	-4,697.3	158.2	329.7	235.9	93.74	3.517	
16,000.0	10,983.8	15,945.9	10,960.7	57.1	43.6	-89.83	-4,797.3	159.2	329.7	234.6	95.12	3.466	
16,100.0	10,984.4	16,045.9	10,961.3	57.7	43.9	-89.83	-4,897.3	160.1	329.7	233.2	96.50	3.416	
16,200.0	10,984.9	16,145.9	10,961.8	58.4	44.2	-89.83	-4,997.3	161.0	329.7	231.8	97.90	3.368	
16,300.0	10,985.5	16,245.9	10,962.4	59.0	44.6	-89.83	-5,097.3	161.9	329.7	230.4	99.30	3.320	
16,400.0	10,986.0	16,345.9	10,962.9	59.7	44.9	-89.83	-5,197.3	162.9	329.7	229.0	100.72	3.274	
16,500.0	10,986.5	16,445.9	10,963.5	60.3	45.3	-89.83	-5,297.3	163.8	329.7	227.6	102.14	3.228	
16,600.0	10,987.1	16,545.9	10,964.0	61.0	45.7	-89.83	-5,397.3	164.7	329.7	226.2	103.58	3.183	
16,700.0	10,987.6	16,645.9	10,964.6	61.6	46.2	-89.83	-5,497.2	165.7	329.7	224.7	105.02	3.140	
16,800.0	10,988.2	16,745.9	10,965.1	62.3	46.6	-89.83	-5,597.2	166.6	329.8	223.3	106.47	3.097	
16,900.0	10,988.7	16,845.9	10,965.6	63.0	47.2	-89.83	-5,697.2	167.5	329.8	221.8	107.93	3.055	
17,000.0	10,989.3	16,945.9	10,966.2	63.7	47.7	-89.83	-5,797.2	168.5	329.8	220.4	109.39	3.015	
17,100.0	10,989.8	17,045.9	10,966.7	64.4	48.3	-89.83	-5,897.2	169.4	329.8	218.9	110.87	2.975	
17,200.0	10,990.3	17,145.9	10,967.3	65.1	48.9	-89.83	-5,997.2	170.3	329.8	217.4	112.35	2.935	
17,300.0	10,990.9	17,245.9	10,967.8	65.7	49.5	-89.83	-6,097.2	171.2	329.8	216.0	113.83	2.897	
17,400.0	10,991.4	17,345.9	10,968.4	66.4	50.2	-89.83	-6,197.2	172.2	329.8	214.5	115.33	2.860	
17,500.0	10,992.0	17,445.9	10,968.9	67.1	50.8	-89.84	-6,297.2	173.1	329.8	213.0	116.83	2.823	
17,600.0	10,992.5	17,545.9	10,969.5	67.9	51.5	-89.84	-6,397.2	174.0	329.8	211.5	118.33	2.787	
17,700.0	10,993.1	17,645.9	10,970.0	68.6	52.2	-89.84	-6,497.2	175.0	329.8	210.0	119.84	2.752	
17,800.0	10,993.6	17,745.9	10,970.6	69.3	53.0	-89.84	-6,597.2	175.9	329.8	208.5	121.36	2.718	
17,900.0	10,994.2	17,845.9	10,971.1	70.0	53.7	-89.84	-6,697.2	176.8	329.8	207.0	122.88	2.684	
18,000.0	10,994.7	17,945.9	10,971.7	70.7	54.4	-89.84	-6,797.2	177.7	329.9	205.5	124.40	2.651	
18,100.0	10,995.2	18,045.9	10,972.2	71.4	55.2	-89.84	-6,897.2	178.7	329.9	203.9	125.94	2.619	
18,200.0	10,995.8	18,145.9	10,972.8	72.2	55.9	-89.84	-6,997.2	179.6	329.9	202.4	127.47	2.588	
18,300.0	10,996.3	18,245.9	10,973.3	72.9	56.7	-89.84	-7,097.2	180.5	329.9	200.9	129.01	2.557	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #701H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12121-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
18,400.0	10,996.9	18,345.9	10,973.9	73.6	57.5	-89.84	-7,197.1	181.5	329.9	199.3	130.56	2.527	
18,500.0	10,997.4	18,445.9	10,974.4	74.4	58.3	-89.84	-7,297.1	182.4	329.9	197.8	132.11	2.497	
18,607.7	10,998.0	18,553.6	10,975.0	74.9	59.1	-89.84	-7,404.8	183.4	329.9	196.4	133.56	2.470	ES, SF

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - F — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 12135-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.9	0.9	3.0	3.0	-90.32	-0.2	-30.0	30.0				
100.0	100.0	100.9	100.9	3.0	3.0	-90.32	-0.2	-30.0	30.0	24.0	6.00	4.998	
200.0	200.0	200.9	200.9	3.0	3.0	-90.32	-0.2	-30.0	30.0	24.0	6.04	4.966	
300.0	300.0	300.9	300.9	3.1	3.0	-90.32	-0.2	-30.0	30.0	23.9	6.12	4.900	
400.0	400.0	400.9	400.9	3.2	3.0	-90.32	-0.2	-30.0	30.0	23.8	6.24	4.805	
500.0	500.0	500.9	500.9	3.4	3.1	-90.32	-0.2	-30.0	30.0	23.6	6.40	4.688	
600.0	600.0	600.9	600.9	3.6	3.1	-90.32	-0.2	-30.0	30.0	23.4	6.59	4.554	
700.0	700.0	700.9	700.9	3.8	3.1	-90.32	-0.2	-30.0	30.0	23.2	6.80	4.410	
800.0	800.0	800.9	800.9	4.0	3.2	-90.32	-0.2	-30.0	30.0	23.0	7.04	4.261	
900.0	900.0	900.9	900.9	4.2	3.2	-90.32	-0.2	-30.0	30.0	22.7	7.30	4.110	
1,000.0	1,000.0	1,000.9	1,000.9	4.5	3.2	-90.32	-0.2	-30.0	30.0	22.4	7.57	3.961	
1,100.0	1,100.0	1,100.9	1,100.9	4.8	3.3	-90.32	-0.2	-30.0	30.0	22.1	7.86	3.815	
1,200.0	1,200.0	1,200.9	1,200.9	5.1	3.4	-90.32	-0.2	-30.0	30.0	21.8	8.16	3.675	
1,300.0	1,300.0	1,300.9	1,300.9	5.4	3.4	-90.32	-0.2	-30.0	30.0	21.5	8.48	3.540	
1,400.0	1,400.0	1,400.9	1,400.9	5.7	3.5	-90.32	-0.2	-30.0	30.0	21.2	8.80	3.411	
1,500.0	1,500.0	1,500.9	1,500.9	6.0	3.5	-90.32	-0.2	-30.0	30.0	20.9	9.12	3.288	
1,600.0	1,600.0	1,600.9	1,600.9	6.3	3.6	-90.32	-0.2	-30.0	30.0	20.5	9.46	3.171	
1,700.0	1,700.0	1,700.9	1,700.9	6.6	3.7	-90.32	-0.2	-30.0	30.0	20.2	9.80	3.061	
1,800.0	1,800.0	1,800.9	1,800.9	6.9	3.8	-90.32	-0.2	-30.0	30.0	19.9	10.15	2.956	
1,900.0	1,900.0	1,900.9	1,900.9	7.2	3.9	-90.32	-0.2	-30.0	30.0	19.5	10.50	2.857	
2,000.0	2,000.0	2,000.9	2,000.9	7.6	3.9	-90.32	-0.2	-30.0	30.0	19.1	10.85	2.764	
2,100.0	2,100.0	2,100.9	2,100.9	7.9	4.0	-90.32	-0.2	-30.0	30.0	18.8	11.21	2.675	
2,200.0	2,200.0	2,200.9	2,200.9	8.2	4.1	-90.32	-0.2	-30.0	30.0	18.4	11.58	2.591	
2,300.0	2,300.0	2,300.9	2,300.9	8.6	4.2	-90.32	-0.2	-30.0	30.0	18.1	11.94	2.512	
2,400.0	2,400.0	2,400.9	2,400.9	8.9	4.3	-90.32	-0.2	-30.0	30.0	17.7	12.31	2.436	
2,416.4	2,416.4	2,417.3	2,417.3	9.0	4.3	-90.32	-0.2	-30.0	30.0	17.6	12.37	2.424	CC
2,500.0	2,500.0	2,500.9	2,500.9	9.2	4.4	-90.32	-0.2	-30.0	30.0	17.3	12.69	2.365	ES
2,600.0	2,600.0	2,600.5	2,600.5	9.6	4.5	-83.62	1.4	-30.7	30.5	17.4	13.06	2.336	SF
2,700.0	2,699.8	2,700.3	2,700.2	9.9	4.6	-85.52	5.6	-32.5	31.7	18.3	13.43	2.359	
2,800.0	2,799.6	2,800.3	2,800.0	10.3	4.7	-89.99	9.9	-34.4	33.0	19.1	13.82	2.384	
2,900.0	2,899.4	2,900.2	2,899.9	10.6	4.8	-94.11	14.2	-36.3	34.4	20.2	14.22	2.419	
3,000.0	2,999.1	3,000.2	2,999.7	10.9	4.9	-97.88	18.5	-38.1	36.0	21.4	14.63	2.460	
3,100.0	3,098.9	3,100.2	3,099.6	11.3	5.0	-101.31	22.8	-40.0	37.7	22.7	15.05	2.508	
3,200.0	3,198.6	3,200.1	3,199.4	11.6	5.1	-104.44	27.1	-41.9	39.6	24.1	15.47	2.560	
3,300.0	3,298.4	3,300.1	3,299.3	12.0	5.2	-107.27	31.4	-43.8	41.6	25.7	15.90	2.614	
3,400.0	3,398.1	3,400.0	3,399.1	12.3	5.3	-109.84	35.7	-45.7	43.6	27.3	16.34	2.671	
3,500.0	3,497.9	3,500.0	3,499.0	12.7	5.4	-112.18	40.1	-47.5	45.8	29.0	16.78	2.729	
3,600.0	3,597.6	3,600.0	3,598.8	13.0	5.5	-114.30	44.4	-49.4	48.0	30.8	17.22	2.788	
3,700.0	3,697.4	3,699.9	3,698.7	13.4	5.6	-116.23	48.7	-51.3	50.3	32.6	17.66	2.847	
3,800.0	3,797.2	3,799.9	3,798.5	13.7	5.7	-118.00	53.0	-53.2	52.6	34.5	18.11	2.905	
3,900.0	3,896.9	3,899.8	3,898.4	14.1	5.8	-119.61	57.3	-55.1	55.0	36.4	18.56	2.963	
4,000.0	3,996.7	3,999.8	3,998.2	14.4	5.9	-121.09	61.6	-56.9	57.4	38.4	19.00	3.021	
4,100.0	4,096.4	4,099.8	4,098.1	14.8	6.0	-122.45	65.9	-58.8	59.9	40.4	19.45	3.077	
4,200.0	4,196.2	4,199.7	4,197.9	15.1	6.1	-123.70	70.2	-60.7	62.3	42.4	19.90	3.132	
4,300.0	4,295.9	4,299.7	4,297.8	15.5	6.2	-124.85	74.6	-62.6	64.8	44.5	20.35	3.186	
4,400.0	4,395.7	4,399.6	4,397.6	15.8	6.3	-125.92	78.9	-64.5	67.4	46.6	20.80	3.239	
4,500.0	4,495.5	4,499.6	4,497.5	16.2	6.5	-126.91	83.2	-66.3	69.9	48.7	21.25	3.290	
4,600.0	4,595.2	4,599.6	4,597.3	16.5	6.6	-127.83	87.5	-68.2	72.5	50.8	21.71	3.340	
4,700.0	4,695.0	4,699.5	4,697.2	16.9	6.7	-128.69	91.8	-70.1	75.1	52.9	22.16	3.389	
4,800.0	4,794.7	4,799.5	4,797.0	17.3	6.8	-129.49	96.1	-72.0	77.7	55.1	22.61	3.436	
4,900.0	4,894.5	4,899.5	4,896.9	17.6	6.9	-130.24	100.4	-73.9	80.3	57.3	23.06	3.483	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12135-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,994.2	4,999.4	4,996.7	18.0	7.0	-130.94	104.7	-75.8	82.9	59.4	23.52	3.527	
5,100.0	5,094.0	5,099.4	5,096.6	18.3	7.1	-131.60	109.0	-77.6	85.6	61.6	23.97	3.571	
5,200.0	5,193.7	5,199.3	5,196.4	18.7	7.3	-132.21	113.4	-79.5	88.2	63.8	24.42	3.613	
5,300.0	5,293.5	5,299.3	5,296.3	19.0	7.4	-132.80	117.7	-81.4	90.9	66.0	24.88	3.655	
5,400.0	5,393.3	5,399.3	5,396.1	19.4	7.5	-133.34	122.0	-83.3	93.6	68.3	25.33	3.695	
5,500.0	5,493.0	5,499.2	5,496.0	19.7	7.6	-133.86	126.3	-85.2	96.3	70.5	25.78	3.734	
5,600.0	5,592.8	5,599.2	5,595.8	20.1	7.7	-134.35	130.6	-87.0	99.0	72.7	26.24	3.771	
5,700.0	5,692.5	5,699.1	5,695.7	20.5	7.8	-134.82	134.9	-88.9	101.7	75.0	26.69	3.808	
5,800.0	5,792.3	5,799.1	5,795.5	20.8	8.0	-135.26	139.2	-90.8	104.4	77.2	27.15	3.844	
5,900.0	5,892.0	5,899.1	5,895.4	21.2	8.1	-135.67	143.5	-92.7	107.1	79.5	27.61	3.878	
6,000.0	5,991.8	5,999.0	5,995.2	21.5	8.2	-136.07	147.8	-94.6	109.8	81.7	28.06	3.912	
6,100.0	6,091.6	6,099.0	6,095.1	21.9	8.3	-136.45	152.2	-96.4	112.5	84.0	28.52	3.945	
6,200.0	6,191.3	6,198.9	6,194.9	22.2	8.4	-136.81	156.5	-98.3	115.2	86.2	28.97	3.977	
6,300.0	6,291.1	6,298.9	6,294.8	22.6	8.6	-137.15	160.8	-100.2	117.9	88.5	29.43	4.008	
6,400.0	6,390.8	6,398.9	6,394.6	23.0	8.7	-137.48	165.1	-102.1	120.7	90.8	29.89	4.038	
6,500.0	6,490.6	6,498.8	6,494.5	23.3	8.8	-137.79	169.4	-104.0	123.4	93.1	30.34	4.067	
6,600.0	6,590.3	6,598.8	6,594.3	23.7	8.9	-138.09	173.7	-105.8	126.2	95.4	30.80	4.096	
6,700.0	6,690.1	6,698.7	6,694.2	24.0	9.0	-138.38	178.0	-107.7	128.9	97.6	31.26	4.124	
6,800.0	6,789.9	6,798.7	6,794.0	24.4	9.2	-138.65	182.3	-109.6	131.6	99.9	31.71	4.151	
6,900.0	6,889.6	6,898.7	6,893.9	24.7	9.3	-138.92	186.7	-111.5	134.4	102.2	32.17	4.177	
7,000.0	6,989.4	6,998.6	6,993.7	25.1	9.4	-139.17	191.0	-113.4	137.1	104.5	32.63	4.203	
7,100.0	7,089.1	7,098.6	7,093.6	25.5	9.5	-139.42	195.3	-115.2	139.9	106.8	33.09	4.228	
7,200.0	7,188.9	7,198.5	7,193.4	25.8	9.6	-139.65	199.6	-117.1	142.7	109.1	33.55	4.253	
7,300.0	7,288.6	7,298.5	7,293.3	26.2	9.8	-139.87	203.9	-119.0	145.4	111.4	34.00	4.276	
7,400.0	7,388.4	7,398.5	7,393.1	26.5	9.9	-140.09	208.2	-120.9	148.2	113.7	34.46	4.300	
7,500.0	7,488.1	7,498.4	7,493.0	26.9	10.0	-140.30	212.5	-122.8	150.9	116.0	34.92	4.322	
7,600.0	7,587.9	7,598.4	7,592.8	27.2	10.1	-140.50	216.8	-124.6	153.7	118.3	35.38	4.344	
7,700.0	7,687.7	7,698.3	7,692.7	27.6	10.3	-140.69	221.1	-126.5	156.5	120.6	35.84	4.366	
7,800.0	7,787.4	7,798.3	7,792.5	28.0	10.4	-140.88	225.5	-128.4	159.2	122.9	36.30	4.387	
7,900.0	7,887.2	7,898.3	7,892.4	28.3	10.5	-141.06	229.8	-130.3	162.0	125.2	36.76	4.408	
8,000.0	7,986.9	7,998.2	7,992.2	28.7	10.6	-141.24	234.1	-132.2	164.8	127.6	37.22	4.428	
8,100.0	8,086.7	8,098.2	8,092.1	29.0	10.8	-141.41	238.4	-134.0	167.5	129.9	37.68	4.447	
8,200.0	8,186.4	8,198.1	8,191.9	29.4	10.9	-141.57	242.7	-135.9	170.3	132.2	38.13	4.466	
8,300.0	8,286.2	8,298.1	8,291.8	29.8	11.0	-141.73	247.0	-137.8	173.1	134.5	38.59	4.485	
8,400.0	8,386.0	8,398.1	8,391.6	30.1	11.1	-141.88	251.3	-139.7	175.9	136.8	39.05	4.503	
8,473.7	8,459.5	8,471.7	8,465.2	30.4	11.2	-141.99	254.5	-141.1	177.9	138.5	39.39	4.517	
8,500.0	8,485.7	8,498.0	8,491.5	30.5	11.3	-142.01	255.6	-141.6	178.6	139.0	39.51	4.519	
8,600.0	8,585.6	8,598.0	8,591.4	30.8	11.4	-141.64	260.0	-143.5	179.2	139.3	39.93	4.489	
8,673.7	8,659.3	8,671.7	8,664.9	31.1	11.5	-147.80	263.1	-144.8	178.0	137.8	40.20	4.429	
8,700.0	8,685.6	8,697.9	8,691.2	31.2	11.5	-147.47	264.3	-145.3	177.3	137.0	40.28	4.402	
8,800.0	8,785.6	8,797.8	8,790.9	31.5	11.6	-146.19	268.6	-147.2	174.7	134.1	40.62	4.302	
8,900.0	8,885.6	8,897.7	8,890.7	31.9	11.8	-144.87	272.9	-149.1	172.2	131.3	40.95	4.207	
9,000.0	8,985.6	8,997.6	8,990.5	32.3	11.9	-143.51	277.2	-151.0	169.8	128.6	41.27	4.116	
9,100.0	9,085.6	9,097.5	9,090.3	32.6	12.0	-142.12	281.5	-152.8	167.5	126.0	41.58	4.029	
9,200.0	9,185.6	9,197.4	9,190.1	33.0	12.1	-140.69	285.8	-154.7	165.3	123.4	41.89	3.947	
9,300.0	9,285.6	9,297.3	9,289.8	33.3	12.3	-139.22	290.1	-156.6	163.2	121.0	42.20	3.869	
9,400.0	9,385.6	9,397.2	9,389.6	33.7	12.4	-137.71	294.4	-158.5	161.3	118.8	42.50	3.795	
9,500.0	9,485.6	9,497.0	9,489.4	34.0	12.5	-136.17	298.7	-160.4	159.4	116.6	42.79	3.725	
9,600.0	9,585.6	9,596.9	9,589.2	34.4	12.6	-134.59	303.0	-162.2	157.6	114.6	43.09	3.659	
9,700.0	9,685.6	9,696.8	9,689.0	34.7	12.8	-132.98	307.3	-164.1	156.0	112.6	43.38	3.597	
9,800.0	9,785.6	9,796.7	9,788.7	35.1	12.9	-131.34	311.7	-166.0	154.5	110.8	43.67	3.539	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #702H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12135-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,900.0	9,885.6	9,896.6	9,888.5	35.5	13.0	-129.66	316.0	-167.9	153.1	109.2	43.95	3.484	
10,000.0	9,985.6	9,996.5	9,988.3	35.8	13.1	-127.96	320.3	-169.8	151.9	107.7	44.24	3.433	
10,100.0	10,085.6	10,096.4	10,088.1	36.2	13.3	-126.23	324.6	-171.6	150.8	106.3	44.54	3.386	
10,200.0	10,185.6	10,196.3	10,187.8	36.5	13.4	-124.47	328.9	-173.5	149.8	105.0	44.83	3.342	
10,300.0	10,285.6	10,296.2	10,287.6	36.9	13.5	-122.70	333.2	-175.4	149.0	103.9	45.14	3.301	
10,400.0	10,385.6	10,396.1	10,387.4	37.2	13.6	-120.91	337.5	-177.3	148.3	102.9	45.45	3.264	
10,494.9	10,480.5	10,490.8	10,482.1	37.6	13.8	-119.19	341.6	-179.1	147.8	102.1	45.75	3.231	
10,500.0	10,485.6	10,495.9	10,487.2	37.6	13.8	46.66	341.8	-179.2	147.8	102.0	45.77	3.229	
10,525.0	10,510.6	10,520.9	10,512.1	37.7	13.8	47.44	342.9	-179.6	147.1	101.2	45.83	3.209	
10,550.0	10,535.5	10,545.6	10,536.8	37.7	13.8	48.68	344.0	-180.1	145.5	99.6	45.87	3.172	
10,575.0	10,560.2	10,570.2	10,561.4	37.8	13.9	50.41	345.0	-180.6	143.1	97.2	45.90	3.118	
10,600.0	10,584.8	10,594.6	10,585.7	37.9	13.9	52.65	346.1	-181.0	140.1	94.1	45.92	3.050	
10,625.0	10,609.0	10,618.5	10,609.7	38.0	13.9	55.46	347.1	-181.5	136.4	90.5	45.95	2.969	
10,650.0	10,632.9	10,642.1	10,633.2	38.0	13.9	58.85	348.1	-181.9	132.4	86.4	46.01	2.878	
10,675.0	10,656.4	10,665.3	10,656.3	38.1	14.0	62.85	349.1	-182.3	128.2	82.0	46.12	2.779	
10,700.0	10,679.4	10,687.9	10,678.9	38.2	14.0	67.47	350.1	-182.8	124.0	77.7	46.32	2.677	
10,725.0	10,701.8	10,709.9	10,700.9	38.2	14.0	72.65	351.0	-183.2	120.2	73.6	46.66	2.577	
10,750.0	10,723.6	10,731.2	10,722.2	38.3	14.1	78.28	352.0	-183.6	117.3	70.1	47.17	2.486	
10,775.0	10,744.8	10,751.9	10,742.9	38.3	14.1	84.20	352.9	-184.0	115.5	67.7	47.85	2.414	
10,787.8	10,755.4	10,762.2	10,753.1	38.4	14.1	87.27	353.3	-184.2	115.3	67.0	48.27	2.389	
10,800.0	10,765.3	10,771.8	10,762.7	38.4	14.1	90.18	353.7	-184.3	115.5	66.8	48.69	2.373	
10,825.0	10,784.9	10,790.9	10,781.8	38.4	14.1	95.98	354.5	-184.7	117.6	68.0	49.59	2.372	
10,850.0	10,803.8	10,809.1	10,800.0	38.5	14.2	101.40	355.3	-185.0	122.1	71.7	50.46	2.420	
10,875.0	10,821.7	10,826.3	10,817.2	38.5	14.2	106.26	356.1	-185.4	129.1	77.9	51.23	2.521	
10,900.0	10,838.7	10,842.6	10,833.5	38.6	14.2	110.45	356.8	-185.7	138.6	86.7	51.84	2.673	
10,925.0	10,854.8	10,857.9	10,848.8	38.6	14.2	113.94	357.4	-186.0	150.3	98.0	52.29	2.875	
10,950.0	10,869.8	10,872.2	10,863.0	38.7	14.2	116.69	358.0	-186.2	164.1	111.5	52.61	3.120	
10,975.0	10,883.7	10,885.3	10,876.2	38.7	14.3	118.71	358.6	-186.5	179.8	127.0	52.81	3.404	
11,000.0	10,896.5	10,897.4	10,888.2	38.7	14.3	120.01	359.1	-186.7	197.0	144.0	52.94	3.721	
11,025.0	10,908.2	10,908.2	10,899.0	38.8	14.3	120.58	359.6	-186.9	215.5	162.5	53.01	4.066	
11,050.0	10,918.7	10,917.9	10,908.7	38.8	14.3	120.39	360.0	-187.1	235.2	182.1	53.03	4.435	
11,075.0	10,928.1	10,926.3	10,917.1	38.8	14.3	119.38	360.4	-187.3	255.8	202.8	53.03	4.824	
11,100.0	10,936.1	10,933.5	10,924.3	38.8	14.3	117.46	360.7	-187.4	277.3	224.3	53.02	5.230	
11,125.0	10,943.0	10,939.5	10,930.2	38.9	14.3	114.50	360.9	-187.5	299.4	246.4	52.99	5.651	
11,150.0	10,948.6	10,944.1	10,934.9	38.9	14.3	110.33	361.1	-187.6	322.1	269.2	52.95	6.083	
11,175.0	10,952.9	10,947.5	10,938.3	38.9	14.3	104.78	361.3	-187.7	345.2	292.3	52.91	6.525	
11,200.0	10,955.9	10,949.6	10,940.3	38.9	14.3	97.70	361.4	-187.7	368.7	315.8	52.86	6.974	
11,225.0	10,957.6	10,950.3	10,941.1	38.9	14.3	89.14	361.4	-187.7	392.4	339.6	52.82	7.429	
11,242.3	10,958.0	10,950.1	10,940.8	38.9	14.3	82.49	361.4	-187.7	408.9	356.1	52.79	7.746	
11,300.0	10,958.3	10,948.2	10,939.0	38.9	14.3	80.29	361.3	-187.7	464.6	411.9	52.70	8.816	
11,400.0	10,958.8	10,944.9	10,935.6	39.0	14.3	72.84	361.2	-187.6	563.0	510.4	52.61	10.702	
11,500.0	10,959.4	10,941.3	10,932.1	39.1	14.3	46.05	361.0	-187.5	662.6	610.0	52.57	12.604	
11,600.0	10,959.9	10,937.6	10,928.4	39.1	14.3	-40.62	360.9	-187.5	762.5	709.9	52.58	14.503	
11,611.7	10,960.0	10,937.2	10,927.9	39.2	14.3	-46.76	360.8	-187.5	774.2	721.7	52.58	14.725	
11,700.0	10,960.5	10,933.8	10,924.6	39.2	14.3	-43.67	360.7	-187.4	862.4	809.8	52.60	16.395	
11,800.0	10,961.0	10,930.0	10,920.8	39.3	14.3	-40.56	360.5	-187.3	962.3	909.6	52.62	18.287	

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - F — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 12378-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
0.0	0.0	0.0	0.0	3.0	3.0	89.81	0.1	30.0	30.0				
100.0	100.0	100.0	100.0	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.00	4.997	
200.0	200.0	200.0	200.0	3.0	3.0	89.81	0.1	30.0	30.0	24.0	6.04	4.966	
300.0	300.0	300.0	300.0	3.1	3.0	89.81	0.1	30.0	30.0	23.9	6.12	4.900	
400.0	400.0	400.0	400.0	3.2	3.0	89.81	0.1	30.0	30.0	23.8	6.24	4.805	
500.0	500.0	500.0	500.0	3.4	3.1	89.81	0.1	30.0	30.0	23.6	6.40	4.688	
600.0	600.0	600.0	600.0	3.6	3.1	89.81	0.1	30.0	30.0	23.4	6.59	4.554	
700.0	700.0	700.0	700.0	3.8	3.1	89.81	0.1	30.0	30.0	23.2	6.80	4.410	
800.0	800.0	800.0	800.0	4.0	3.2	89.81	0.1	30.0	30.0	23.0	7.04	4.261	
900.0	900.0	900.0	900.0	4.2	3.2	89.81	0.1	30.0	30.0	22.7	7.30	4.110	
1,000.0	1,000.0	1,000.0	1,000.0	4.5	3.2	89.81	0.1	30.0	30.0	22.4	7.57	3.961	
1,100.0	1,100.0	1,100.0	1,100.0	4.8	3.3	89.81	0.1	30.0	30.0	22.1	7.86	3.815	
1,200.0	1,200.0	1,200.0	1,200.0	5.1	3.4	89.81	0.1	30.0	30.0	21.8	8.16	3.675	
1,300.0	1,300.0	1,300.0	1,300.0	5.4	3.4	89.81	0.1	30.0	30.0	21.5	8.48	3.540	
1,400.0	1,400.0	1,400.0	1,400.0	5.7	3.5	89.81	0.1	30.0	30.0	21.2	8.80	3.411	
1,500.0	1,500.0	1,500.0	1,500.0	6.0	3.5	89.81	0.1	30.0	30.0	20.9	9.12	3.288	
1,600.0	1,600.0	1,600.0	1,600.0	6.3	3.6	89.81	0.1	30.0	30.0	20.5	9.46	3.171	
1,633.3	1,633.3	1,633.3	1,633.3	6.4	3.6	89.81	0.1	30.0	30.0	20.4	9.57	3.134	
1,700.0	1,700.0	1,700.0	1,700.0	6.6	3.7	89.81	0.1	30.0	30.0	20.2	9.80	3.061	
1,800.0	1,800.0	1,800.0	1,800.0	6.9	3.8	89.81	0.1	30.0	30.0	19.9	10.15	2.956	
1,900.0	1,900.0	1,900.0	1,900.0	7.2	3.9	89.81	0.1	30.0	30.0	19.5	10.50	2.857	
2,000.0	2,000.0	2,000.0	2,000.0	7.6	3.9	89.81	0.1	30.0	30.0	19.1	10.85	2.764	
2,100.0	2,100.0	2,100.0	2,100.0	7.9	4.0	89.81	0.1	30.0	30.0	18.8	11.21	2.675	
2,200.0	2,200.0	2,200.0	2,200.0	8.2	4.1	89.81	0.1	30.0	30.0	18.4	11.58	2.591	
2,300.0	2,300.0	2,300.0	2,300.0	8.6	4.2	89.81	0.1	30.0	30.0	18.1	11.94	2.512	
2,400.0	2,400.0	2,400.0	2,400.0	8.9	4.3	89.81	0.1	30.0	30.0	17.7	12.31	2.436	
2,500.0	2,500.0	2,500.0	2,500.0	9.2	4.4	89.81	0.1	30.0	30.0	17.3	12.69	2.365 CC	
2,600.0	2,600.0	2,600.0	2,600.0	9.6	4.5	99.98	0.1	30.0	30.3	17.2	13.06	2.316 ES, SF	
2,700.0	2,699.8	2,699.8	2,699.8	9.9	4.6	109.33	0.1	30.0	31.6	18.1	13.49	2.341	
2,800.0	2,799.6	2,799.6	2,799.6	10.3	4.7	120.30	0.1	30.0	34.5	20.5	14.01	2.464	
2,900.0	2,899.4	2,899.4	2,899.4	10.6	4.8	129.28	0.1	30.0	38.5	24.0	14.57	2.644	
3,000.0	2,999.1	2,999.1	2,999.1	10.9	4.9	136.44	0.1	30.0	43.3	28.2	15.13	2.861	
3,100.0	3,098.9	3,098.9	3,098.9	11.3	5.0	142.11	0.1	30.0	48.6	32.9	15.68	3.099	
3,200.0	3,198.6	3,198.6	3,198.6	11.6	5.1	146.63	0.1	30.0	54.3	38.1	16.21	3.348	
3,300.0	3,298.4	3,298.4	3,298.4	12.0	5.2	150.29	0.1	30.0	60.2	43.5	16.73	3.601	
3,400.0	3,398.1	3,398.1	3,398.1	12.3	5.3	153.27	0.1	30.0	66.4	49.1	17.23	3.852	
3,500.0	3,497.9	3,497.9	3,497.9	12.7	5.4	155.74	0.1	30.0	72.7	54.9	17.73	4.099	
3,600.0	3,597.6	3,597.6	3,597.6	13.0	5.5	157.82	0.1	30.0	79.1	60.9	18.22	4.340	
3,700.0	3,697.4	3,697.4	3,697.4	13.4	5.7	159.58	0.1	30.0	85.6	66.9	18.71	4.575	
3,800.0	3,797.2	3,797.2	3,797.2	13.7	5.8	161.09	0.1	30.0	92.2	73.0	19.19	4.802	
3,900.0	3,896.9	3,896.9	3,896.9	14.1	5.9	162.41	0.1	30.0	98.8	79.1	19.67	5.021	
4,000.0	3,996.7	3,996.7	3,996.7	14.4	6.0	163.55	0.1	30.0	105.5	85.3	20.16	5.232	
4,100.0	4,096.4	4,096.4	4,096.4	14.8	6.1	164.56	0.1	30.0	112.2	91.5	20.63	5.436	
4,200.0	4,196.2	4,196.2	4,196.2	15.1	6.2	165.45	0.1	30.0	118.9	97.8	21.11	5.632	
4,300.0	4,295.9	4,295.9	4,295.9	15.5	6.3	166.25	0.1	30.0	125.7	104.1	21.59	5.820	
4,400.0	4,395.7	4,395.7	4,395.7	15.8	6.5	166.97	0.1	30.0	132.5	110.4	22.07	6.002	
4,500.0	4,495.5	4,495.5	4,495.5	16.2	6.6	167.62	0.1	30.0	139.3	116.7	22.55	6.177	
4,600.0	4,595.2	4,595.2	4,595.2	16.5	6.7	168.20	0.1	30.0	146.1	123.1	23.03	6.345	
4,700.0	4,695.0	4,695.0	4,695.0	16.9	6.8	168.74	0.1	30.0	152.9	129.4	23.50	6.506	
4,800.0	4,794.7	4,794.7	4,794.7	17.3	6.9	169.23	0.1	30.0	159.8	135.8	23.98	6.662	
4,900.0	4,894.5	4,894.5	4,894.5	17.6	7.0	169.67	0.1	30.0	166.6	142.2	24.46	6.813	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - F — **Offset Site Error:** 3.0 usft

Survey Program: 0-Standard Keeper 104, 12378-MWD+IFR1+FDIR — **Offset Well Error:** 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
5,000.0	4,994.2	4,994.2	4,994.2	18.0	7.2	170.09	0.1	30.0	173.5	148.6	24.94	6.957	
5,100.0	5,094.0	5,094.0	5,094.0	18.3	7.3	170.47	0.1	30.0	180.4	155.0	25.42	7.097	
5,200.0	5,193.7	5,193.7	5,193.7	18.7	7.4	170.82	0.1	30.0	187.3	161.4	25.89	7.231	
5,300.0	5,293.5	5,293.5	5,293.5	19.0	7.5	171.15	0.1	30.0	194.1	167.8	26.37	7.361	
5,400.0	5,393.3	5,393.3	5,393.3	19.4	7.6	171.46	0.1	30.0	201.0	174.2	26.85	7.487	
5,500.0	5,493.0	5,493.0	5,493.0	19.7	7.8	171.74	0.1	30.0	207.9	180.6	27.33	7.608	
5,600.0	5,592.8	5,597.6	5,597.5	20.1	7.9	171.69	1.5	30.9	213.8	186.0	27.81	7.689	
5,700.0	5,692.5	5,702.6	5,702.4	20.5	8.0	170.87	6.0	34.0	217.3	189.1	28.24	7.696	
5,800.0	5,792.3	5,802.9	5,802.5	20.8	8.1	169.68	12.2	38.1	219.5	190.8	28.65	7.661	
5,900.0	5,892.0	5,902.8	5,902.1	21.2	8.2	168.51	18.3	42.3	221.7	192.7	29.06	7.630	
6,000.0	5,991.8	6,002.7	6,001.7	21.5	8.3	167.37	24.5	46.4	224.1	194.6	29.47	7.605	
6,100.0	6,091.6	6,102.6	6,101.3	21.9	8.4	166.25	30.6	50.5	226.5	196.7	29.87	7.584	
6,200.0	6,191.3	6,202.4	6,200.9	22.2	8.5	165.15	36.7	54.7	229.1	198.8	30.27	7.567	
6,300.0	6,291.1	6,302.3	6,300.5	22.6	8.6	164.08	42.9	58.8	231.7	201.0	30.67	7.554	
6,400.0	6,390.8	6,402.2	6,400.1	23.0	8.7	163.03	49.0	62.9	234.3	203.3	31.06	7.544	
6,500.0	6,490.6	6,502.1	6,499.7	23.3	8.8	162.01	55.2	67.1	237.1	205.6	31.46	7.537	
6,600.0	6,590.3	6,601.9	6,599.3	23.7	9.0	161.01	61.3	71.2	239.9	208.1	31.85	7.534	
6,700.0	6,690.1	6,701.8	6,698.9	24.0	9.1	160.04	67.4	75.3	242.8	210.6	32.24	7.533	
6,800.0	6,789.9	6,801.7	6,798.5	24.4	9.2	159.09	73.6	79.5	245.8	213.2	32.63	7.534	
6,900.0	6,889.6	6,901.5	6,898.1	24.7	9.3	158.16	79.7	83.6	248.9	215.8	33.01	7.538	
7,000.0	6,989.4	7,001.4	6,997.7	25.1	9.4	157.25	85.8	87.7	252.0	218.6	33.40	7.545	
7,100.0	7,089.1	7,101.3	7,097.3	25.5	9.5	156.37	92.0	91.8	255.1	221.3	33.78	7.553	
7,200.0	7,188.9	7,201.2	7,196.9	25.8	9.6	155.51	98.1	96.0	258.3	224.2	34.16	7.562	
7,300.0	7,288.6	7,301.0	7,296.5	26.2	9.7	154.66	104.3	100.1	261.6	227.1	34.54	7.574	
7,400.0	7,388.4	7,400.9	7,396.1	26.5	9.9	153.84	110.4	104.2	265.0	230.0	34.93	7.587	
7,500.0	7,488.1	7,500.8	7,495.7	26.9	10.0	153.05	116.5	108.4	268.4	233.0	35.31	7.601	
7,600.0	7,587.9	7,600.7	7,595.3	27.2	10.1	152.27	122.7	112.5	271.8	236.1	35.69	7.616	
7,700.0	7,687.7	7,700.5	7,694.9	27.6	10.2	151.51	128.8	116.6	275.3	239.2	36.07	7.633	
7,800.0	7,787.4	7,800.4	7,794.5	28.0	10.3	150.77	134.9	120.8	278.8	242.4	36.45	7.650	
7,900.0	7,887.2	7,900.3	7,894.1	28.3	10.4	150.04	141.1	124.9	282.4	245.6	36.83	7.668	
8,000.0	7,986.9	8,000.2	7,993.7	28.7	10.5	149.34	147.2	129.0	286.0	248.8	37.21	7.687	
8,100.0	8,086.7	8,100.0	8,093.3	29.0	10.7	148.65	153.4	133.2	289.7	252.1	37.59	7.707	
8,200.0	8,186.4	8,199.9	8,192.9	29.4	10.8	147.99	159.5	137.3	293.4	255.4	37.97	7.728	
8,300.0	8,286.2	8,299.8	8,292.5	29.8	10.9	147.33	165.6	141.4	297.1	258.8	38.35	7.748	
8,400.0	8,386.0	8,399.6	8,392.1	30.1	11.0	146.70	171.8	145.6	300.9	262.2	38.73	7.770	
8,473.7	8,459.5	8,473.3	8,465.5	30.4	11.1	146.24	176.3	148.6	303.7	264.7	39.01	7.786	
8,500.0	8,485.7	8,499.5	8,491.7	30.5	11.1	146.08	177.9	149.7	304.7	265.5	39.11	7.789	
8,600.0	8,585.6	8,599.4	8,591.3	30.8	11.2	145.21	184.1	153.8	306.3	266.8	39.47	7.760	
8,673.7	8,659.3	8,672.9	8,664.6	31.1	11.3	137.42	188.6	156.9	305.8	266.1	39.72	7.699	
8,700.0	8,685.6	8,699.2	8,690.8	31.2	11.4	137.07	190.2	157.9	305.3	265.5	39.80	7.672	
8,800.0	8,785.6	8,798.9	8,790.2	31.5	11.5	135.71	196.3	162.1	303.7	263.6	40.12	7.571	
8,900.0	8,885.6	8,898.6	8,889.7	31.9	11.6	134.34	202.4	166.2	302.3	261.9	40.43	7.477	
9,000.0	8,985.6	8,998.3	8,989.1	32.3	11.7	132.96	208.6	170.3	301.0	260.3	40.74	7.389	
9,100.0	9,085.6	9,098.1	9,088.6	32.6	11.8	131.56	214.7	174.4	300.0	258.9	41.06	7.306	
9,200.0	9,185.6	9,197.8	9,188.0	33.0	12.0	130.16	220.8	178.6	299.1	257.7	41.37	7.229	
9,300.0	9,285.6	9,297.5	9,287.5	33.3	12.1	128.75	227.0	182.7	298.4	256.7	41.68	7.158	
9,400.0	9,385.6	9,397.2	9,386.9	33.7	12.2	127.33	233.1	186.8	297.8	255.8	42.00	7.091	
9,500.0	9,485.6	9,497.0	9,486.4	34.0	12.3	125.91	239.2	190.9	297.5	255.2	42.32	7.030	
9,600.0	9,585.6	9,596.7	9,585.8	34.4	12.4	124.49	245.3	195.1	297.3	254.7	42.64	6.973	
9,638.3	9,623.9	9,634.9	9,623.9	34.5	12.5	123.94	247.7	196.6	297.3	254.5	42.77	6.952	
9,700.0	9,685.6	9,696.4	9,685.3	34.7	12.6	123.07	251.5	199.2	297.3	254.4	42.97	6.920	

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

Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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 GREEN BERET FEDERAL PROJECT (BULLDOG 2535) - GREEN BERET FED COM #801H - OWB - F

Offset Site Error: 3.0 usft

Survey Program: 0-Standard Keeper 104, 12378-MWD+IFR1+FDIR

Offset Well Error: 3.0 usft

Reference Measured Depth (usft)	Reference Vertical Depth (usft)	Offset Measured Depth (usft)	Offset Vertical Depth (usft)	Semi Major Axis Reference (usft)	Semi Major Axis Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	Offset Wellbore Centre +E/-W (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning
9,800.0	9,785.6	9,796.1	9,784.7	35.1	12.7	121.64	257.6	203.3	297.6	254.3	43.30	6.872	
9,900.0	9,885.6	9,895.9	9,884.2	35.5	12.8	120.22	263.7	207.4	297.9	254.3	43.64	6.827	
10,000.0	9,985.6	9,995.6	9,983.6	35.8	12.9	118.81	269.9	211.6	298.5	254.5	43.98	6.787	
10,100.0	10,085.6	10,095.3	10,083.1	36.2	13.0	117.40	276.0	215.7	299.3	254.9	44.34	6.750	
10,200.0	10,185.6	10,195.0	10,182.5	36.5	13.2	116.00	282.1	219.8	300.2	255.5	44.70	6.717	
10,300.0	10,285.6	10,294.8	10,282.0	36.9	13.3	114.61	288.2	223.9	301.3	256.3	45.06	6.687	
10,400.0	10,385.6	10,394.5	10,381.4	37.2	13.4	113.23	294.4	228.1	302.6	257.2	45.44	6.659	
10,494.9	10,480.5	10,489.1	10,475.8	37.6	13.5	111.93	300.2	232.0	304.0	258.2	45.81	6.636	
10,500.0	10,485.6	10,494.2	10,480.9	37.6	13.5	-82.39	300.5	232.2	304.1	258.3	45.83	6.635	
10,525.0	10,510.6	10,519.1	10,505.7	37.7	13.6	-82.86	302.0	233.2	304.4	258.4	45.91	6.629	
10,550.0	10,535.5	10,543.7	10,530.3	37.7	13.6	-83.59	303.5	234.2	304.5	258.5	45.99	6.621	
10,575.0	10,560.2	10,568.2	10,554.6	37.8	13.6	-84.55	305.0	235.2	304.6	258.5	46.06	6.612	
10,600.0	10,584.8	10,592.3	10,578.7	37.9	13.7	-85.73	306.5	236.2	304.7	258.5	46.14	6.604	
10,625.0	10,609.0	10,616.0	10,602.4	38.0	13.7	-87.10	308.0	237.2	304.8	258.6	46.21	6.596	
10,650.0	10,632.9	10,639.4	10,625.6	38.0	13.7	-88.65	309.4	238.2	305.1	258.8	46.29	6.591	
10,675.0	10,656.4	10,662.2	10,648.4	38.1	13.7	-90.32	310.8	239.1	305.7	259.3	46.39	6.591	
10,700.0	10,679.4	10,684.4	10,670.6	38.2	13.8	-92.10	312.2	240.1	306.7	260.2	46.50	6.596	
10,725.0	10,701.8	10,706.0	10,692.1	38.2	13.8	-93.94	313.5	241.0	308.2	261.5	46.63	6.609	
10,750.0	10,723.6	10,727.0	10,713.0	38.3	13.8	-95.79	314.8	241.8	310.3	263.5	46.79	6.632	
10,775.0	10,744.8	10,747.1	10,733.1	38.3	13.8	-97.62	316.0	242.7	313.2	266.2	46.97	6.667	
10,800.0	10,765.3	10,766.5	10,752.4	38.4	13.9	-99.38	317.2	243.5	316.9	269.8	47.19	6.716	
10,825.0	10,784.9	10,785.1	10,770.9	38.4	13.9	-101.03	318.4	244.2	321.7	274.3	47.44	6.782	
10,850.0	10,803.8	10,802.7	10,788.5	38.5	13.9	-102.53	319.5	245.0	327.5	279.8	47.71	6.865	
10,875.0	10,821.7	10,819.4	10,805.2	38.5	13.9	-103.84	320.5	245.6	334.5	286.5	48.00	6.969	
10,900.0	10,838.7	10,835.1	10,820.8	38.6	14.0	-104.93	321.4	246.3	342.7	294.4	48.31	7.095	
10,925.0	10,854.8	10,849.7	10,835.4	38.6	14.0	-105.77	322.3	246.9	352.2	303.5	48.62	7.243	
10,950.0	10,869.8	10,863.3	10,848.9	38.7	14.0	-106.33	323.2	247.5	362.9	313.9	48.93	7.415	
10,975.0	10,883.7	10,875.7	10,861.4	38.7	14.0	-106.58	323.9	248.0	374.8	325.5	49.24	7.611	
11,000.0	10,896.5	10,887.0	10,872.6	38.7	14.0	-106.50	324.6	248.4	387.9	338.3	49.54	7.830	
11,025.0	10,908.2	10,897.2	10,882.7	38.8	14.0	-106.06	325.3	248.9	402.1	352.3	49.82	8.072	
11,050.0	10,918.7	10,906.1	10,891.6	38.8	14.0	-105.22	325.8	249.2	417.5	367.4	50.08	8.336	
11,075.0	10,928.1	10,913.7	10,899.3	38.8	14.0	-103.97	326.3	249.5	433.8	383.5	50.32	8.621	
11,100.0	10,936.1	10,920.2	10,905.7	38.8	14.1	-102.26	326.7	249.8	451.0	400.5	50.54	8.924	
11,125.0	10,943.0	10,925.3	10,910.8	38.9	14.1	-100.07	327.0	250.0	469.1	418.3	50.73	9.245	
11,150.0	10,948.6	10,929.2	10,914.6	38.9	14.1	-97.38	327.2	250.2	487.8	436.9	50.91	9.582	
11,175.0	10,952.9	10,931.7	10,917.2	38.9	14.1	-94.17	327.4	250.3	507.2	456.1	51.07	9.932	
11,200.0	10,955.9	10,933.0	10,918.5	38.9	14.1	-90.45	327.5	250.3	527.1	475.9	51.21	10.293	
11,225.0	10,957.6	10,932.9	10,918.4	38.9	14.1	-86.25	327.5	250.3	547.5	496.1	51.33	10.665	
11,242.3	10,958.0	10,932.1	10,917.6	38.9	14.1	-83.09	327.4	250.3	561.7	510.3	51.41	10.926	
11,300.0	10,958.3	10,928.5	10,913.9	38.9	14.1	-82.86	327.2	250.2	609.8	558.1	51.64	11.809	
11,400.0	10,958.8	10,922.2	10,907.7	39.0	14.1	-82.62	326.8	249.9	693.8	641.8	51.95	13.355	
11,500.0	10,959.4	10,916.2	10,901.8	39.1	14.1	-82.55	326.4	249.6	778.2	726.0	52.19	14.912	
11,600.0	10,959.9	10,910.5	10,896.0	39.1	14.0	-82.60	326.1	249.4	862.6	810.2	52.38	16.469	
11,611.7	10,960.0	10,909.9	10,895.4	39.2	14.0	-82.61	326.0	249.4	872.5	820.1	52.39	16.652	
11,700.0	10,960.5	10,904.9	10,890.5	39.2	14.0	-82.01	325.7	249.2	948.0	895.5	52.52	18.050	

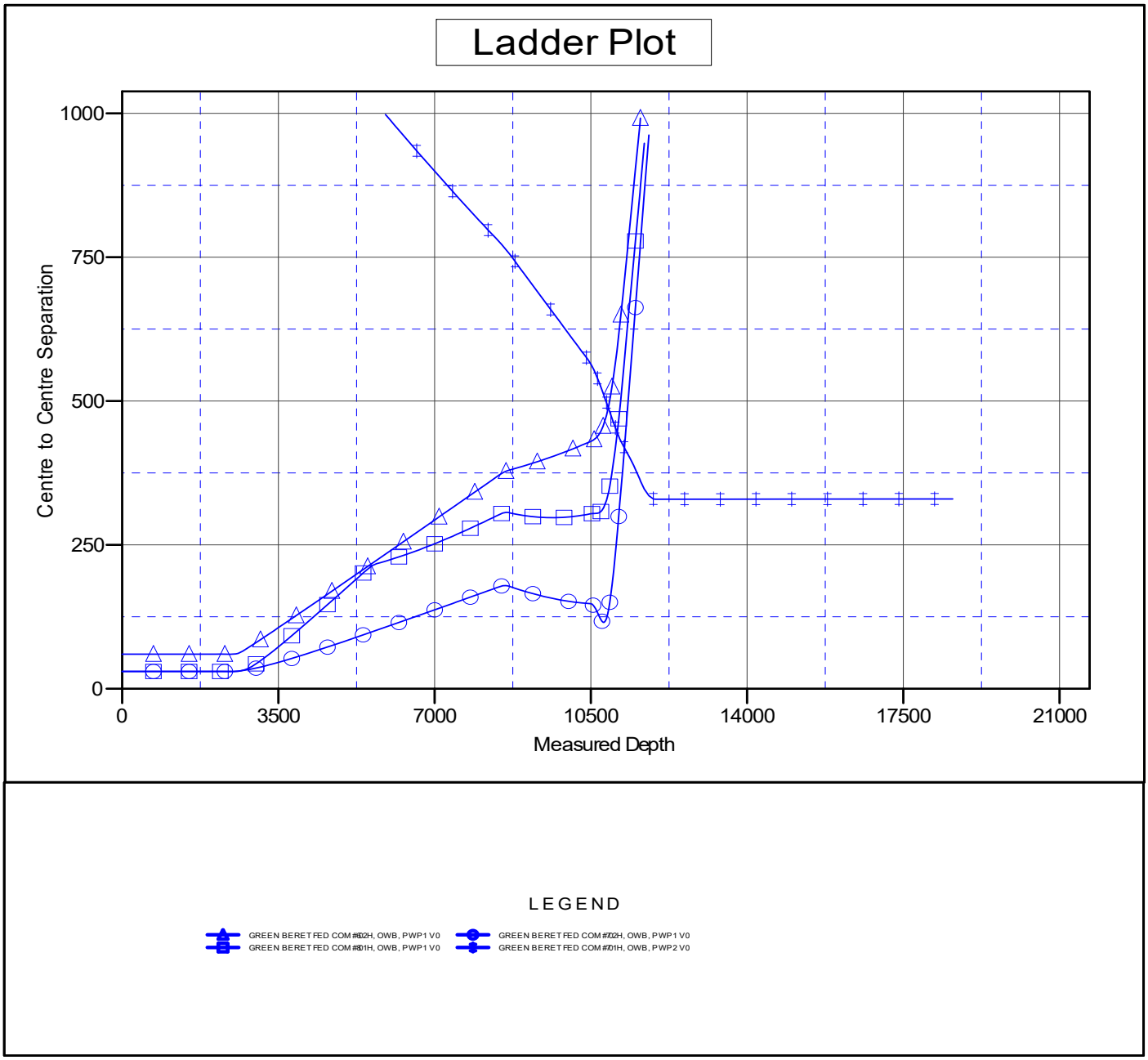
Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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=26' @ 3307.5usft (MCVAY 8)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GREEN BERET FED COM #501H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



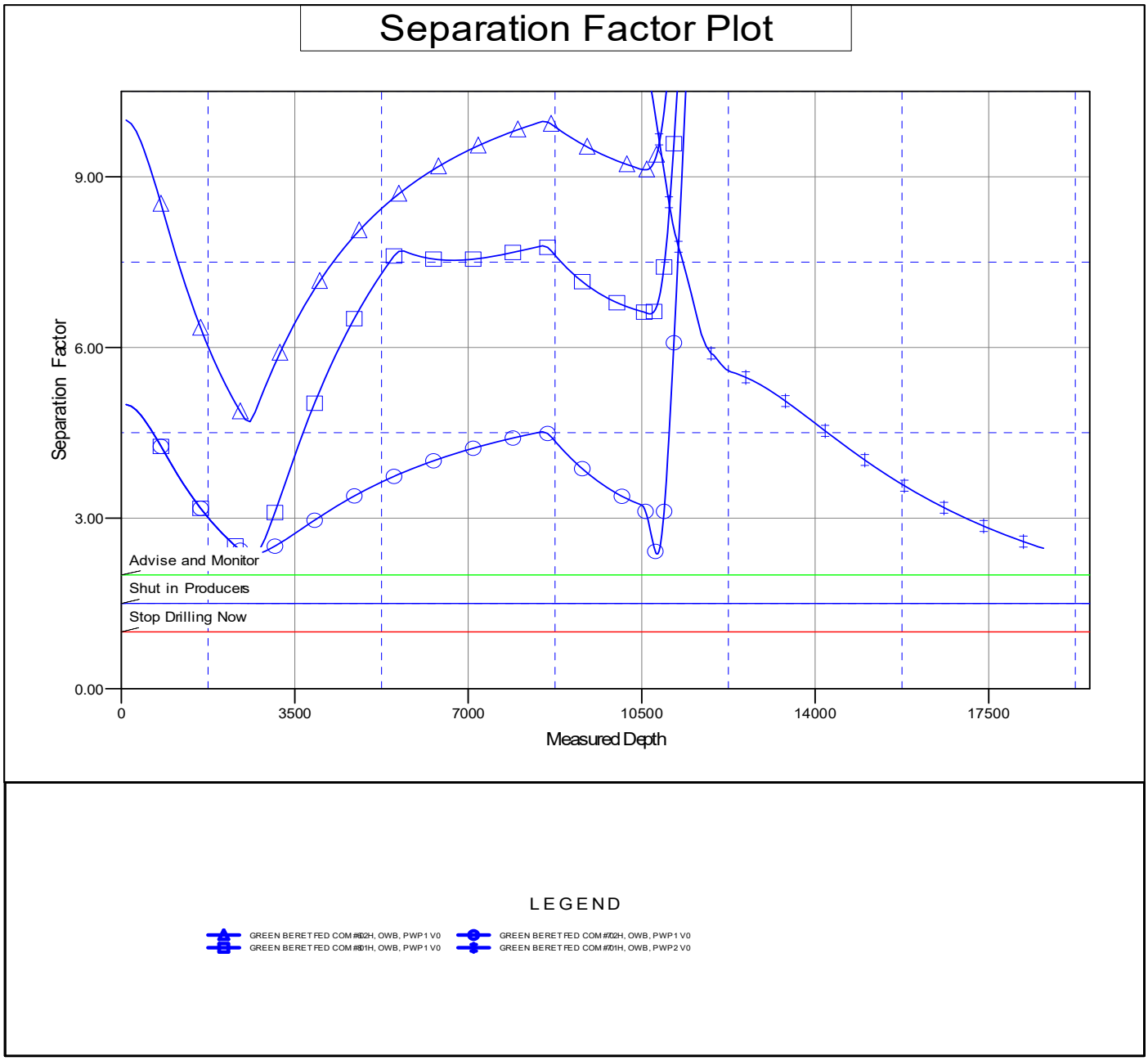
Concho Resources LLC

Anticollision Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Reference Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site Error:	3.0 usft	**North Reference:**	Grid
Reference Well:	GREEN BERET FED COM #501H	**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=26' @ 3307.5usft (MCVAY 8)
Offset Depths are relative to Offset Datum
Central Meridian is 104° 20' 0.000 W

Coordinates are relative to: GREEN BERET FED COM #501H
Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 30
Grid Convergence at Surface is: 0.50°



DELAWARE BASIN EAST

BULLDOG PROSPECT (NM-E)
GREEN BERET FEDERAL PROJECT (BULLDOG 2535)
GREEN BERET FED COM #501H

OWB

Plan: PWP2

Standard Survey Report

17 September, 2020

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**North Reference:**	Grid
Wellbore:	OWB	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP2	**Database:**	edm

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

Well	GREEN BERET FED COM #501H				
Well Position	**+N/-S**	0.0 usft	**Northing:**	409,293.80 usft	**Latitude:**	32° 7' 18.231 N
	+E/-W	0.0 usft	**Easting:**	792,876.20 usft	**Longitude:**	103° 23' 14.359 W
Position Uncertainty		3.0 usft	**Wellhead Elevation:**	usft	**Ground Level:**	3,281.5 usft

Wellbore OWB

Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2015	9/17/2020	6.50	59.95	47,563.24695603

Design PWP2

Audit Notes:

Version:	**Phase:**	PLAN	**Tie On Depth:**	0.0

Vertical Section:	**Depth From (TVD) (usft)**	**+N/-S (usft)**	**+E/-W (usft)**	**Direction (°)**
	0.0	0.0	0.0	181.13

Survey Tool Program **Date** 9/17/2020

From (usft)	**To (usft)**	**Survey (Wellbore)**	**Tool Name**	**Description**
0.0	18,607.0	PWP2 (OWB)	MWD+IFR1+FDIR	OWSG MWD + IFR1 + FDIR Correction

Planned Survey

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

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**North Reference:**	Grid
Wellbore:	OWB	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP2	**Database:**	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
2,600.0	2.00	353.11	2,600.0	1.7	-0.2	-1.7	2.00	2.00	0.00
2,700.0	4.00	353.11	2,699.8	6.9	-0.8	-6.9	2.00	2.00	0.00
Start 5773.7 hold at 2700.0 MD									
2,800.0	4.00	353.11	2,799.6	13.9	-1.7	-13.8	0.00	0.00	0.00
2,900.0	4.00	353.11	2,899.4	20.8	-2.5	-20.7	0.00	0.00	0.00
3,000.0	4.00	353.11	2,999.1	27.7	-3.3	-27.6	0.00	0.00	0.00
3,100.0	4.00	353.11	3,098.9	34.6	-4.2	-34.5	0.00	0.00	0.00
3,200.0	4.00	353.11	3,198.6	41.6	-5.0	-41.4	0.00	0.00	0.00
3,300.0	4.00	353.11	3,298.4	48.5	-5.9	-48.4	0.00	0.00	0.00
3,400.0	4.00	353.11	3,398.1	55.4	-6.7	-55.3	0.00	0.00	0.00
3,500.0	4.00	353.11	3,497.9	62.3	-7.5	-62.2	0.00	0.00	0.00
3,600.0	4.00	353.11	3,597.6	69.3	-8.4	-69.1	0.00	0.00	0.00
3,700.0	4.00	353.11	3,697.4	76.2	-9.2	-76.0	0.00	0.00	0.00
3,800.0	4.00	353.11	3,797.2	83.1	-10.0	-82.9	0.00	0.00	0.00
3,900.0	4.00	353.11	3,896.9	90.0	-10.9	-89.8	0.00	0.00	0.00
4,000.0	4.00	353.11	3,996.7	97.0	-11.7	-96.7	0.00	0.00	0.00
4,100.0	4.00	353.11	4,096.4	103.9	-12.6	-103.6	0.00	0.00	0.00
4,200.0	4.00	353.11	4,196.2	110.8	-13.4	-110.5	0.00	0.00	0.00
4,300.0	4.00	353.11	4,295.9	117.7	-14.2	-117.4	0.00	0.00	0.00
4,400.0	4.00	353.11	4,395.7	124.7	-15.1	-124.3	0.00	0.00	0.00
4,500.0	4.00	353.11	4,495.5	131.6	-15.9	-131.2	0.00	0.00	0.00
4,600.0	4.00	353.11	4,595.2	138.5	-16.7	-138.1	0.00	0.00	0.00
4,700.0	4.00	353.11	4,695.0	145.4	-17.6	-145.1	0.00	0.00	0.00
4,800.0	4.00	353.11	4,794.7	152.4	-18.4	-152.0	0.00	0.00	0.00
4,900.0	4.00	353.11	4,894.5	159.3	-19.3	-158.9	0.00	0.00	0.00
5,000.0	4.00	353.11	4,994.2	166.2	-20.1	-165.8	0.00	0.00	0.00
5,100.0	4.00	353.11	5,094.0	173.1	-20.9	-172.7	0.00	0.00	0.00
5,200.0	4.00	353.11	5,193.7	180.1	-21.8	-179.6	0.00	0.00	0.00
5,300.0	4.00	353.11	5,293.5	187.0	-22.6	-186.5	0.00	0.00	0.00
5,400.0	4.00	353.11	5,393.3	193.9	-23.4	-193.4	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**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)
5,500.0	4.00	353.11	5,493.0	200.8	-24.3	-200.3	0.00	0.00	0.00
5,600.0	4.00	353.11	5,592.8	207.8	-25.1	-207.2	0.00	0.00	0.00
5,700.0	4.00	353.11	5,692.5	214.7	-25.9	-214.1	0.00	0.00	0.00
5,800.0	4.00	353.11	5,792.3	221.6	-26.8	-221.0	0.00	0.00	0.00
5,900.0	4.00	353.11	5,892.0	228.5	-27.6	-227.9	0.00	0.00	0.00
6,000.0	4.00	353.11	5,991.8	235.5	-28.5	-234.9	0.00	0.00	0.00
6,100.0	4.00	353.11	6,091.6	242.4	-29.3	-241.8	0.00	0.00	0.00
6,200.0	4.00	353.11	6,191.3	249.3	-30.1	-248.7	0.00	0.00	0.00
6,300.0	4.00	353.11	6,291.1	256.2	-31.0	-255.6	0.00	0.00	0.00
6,400.0	4.00	353.11	6,390.8	263.2	-31.8	-262.5	0.00	0.00	0.00
6,500.0	4.00	353.11	6,490.6	270.1	-32.6	-269.4	0.00	0.00	0.00
6,600.0	4.00	353.11	6,590.3	277.0	-33.5	-276.3	0.00	0.00	0.00
6,700.0	4.00	353.11	6,690.1	283.9	-34.3	-283.2	0.00	0.00	0.00
6,800.0	4.00	353.11	6,789.9	290.9	-35.2	-290.1	0.00	0.00	0.00
6,900.0	4.00	353.11	6,889.6	297.8	-36.0	-297.0	0.00	0.00	0.00
7,000.0	4.00	353.11	6,989.4	304.7	-36.8	-303.9	0.00	0.00	0.00
7,100.0	4.00	353.11	7,089.1	311.6	-37.7	-310.8	0.00	0.00	0.00
7,200.0	4.00	353.11	7,188.9	318.6	-38.5	-317.7	0.00	0.00	0.00
7,300.0	4.00	353.11	7,288.6	325.5	-39.3	-324.6	0.00	0.00	0.00
7,400.0	4.00	353.11	7,388.4	332.4	-40.2	-331.6	0.00	0.00	0.00
7,500.0	4.00	353.11	7,488.1	339.3	-41.0	-338.5	0.00	0.00	0.00
7,600.0	4.00	353.11	7,587.9	346.3	-41.8	-345.4	0.00	0.00	0.00
7,700.0	4.00	353.11	7,687.7	353.2	-42.7	-352.3	0.00	0.00	0.00
7,800.0	4.00	353.11	7,787.4	360.1	-43.5	-359.2	0.00	0.00	0.00
7,900.0	4.00	353.11	7,887.2	367.0	-44.4	-366.1	0.00	0.00	0.00
8,000.0	4.00	353.11	7,986.9	374.0	-45.2	-373.0	0.00	0.00	0.00
8,100.0	4.00	353.11	8,086.7	380.9	-46.0	-379.9	0.00	0.00	0.00
8,200.0	4.00	353.11	8,186.4	387.8	-46.9	-386.8	0.00	0.00	0.00
8,300.0	4.00	353.11	8,286.2	394.7	-47.7	-393.7	0.00	0.00	0.00
8,400.0	4.00	353.11	8,386.0	401.7	-48.5	-400.6	0.00	0.00	0.00
8,473.7	4.00	353.11	8,459.5	406.8	-49.2	-405.7	0.00	0.00	0.00
Start Drop -2.00									
8,500.0	3.47	353.11	8,485.7	408.5	-49.4	-407.4	2.00	-2.00	0.00
8,600.0	1.47	353.11	8,585.6	412.8	-49.9	-411.7	2.00	-2.00	0.00
8,673.7	0.00	0.00	8,659.3	413.7	-50.0	-412.6	2.00	-2.00	0.00
Start 1821.2 hold at 8673.7 MD									
8,700.0	0.00	0.00	8,685.6	413.7	-50.0	-412.6	0.00	0.00	0.00
8,800.0	0.00	0.00	8,785.6	413.7	-50.0	-412.6	0.00	0.00	0.00
8,900.0	0.00	0.00	8,885.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,000.0	0.00	0.00	8,985.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,100.0	0.00	0.00	9,085.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,200.0	0.00	0.00	9,185.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,300.0	0.00	0.00	9,285.6	413.7	-50.0	-412.6	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**North Reference:**	Grid
Wellbore:	OWB	**Survey Calculation Method:**	Minimum Curvature
Design:	PWP2	**Database:**	edm

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
9,400.0	0.00	0.00	9,385.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,500.0	0.00	0.00	9,485.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,600.0	0.00	0.00	9,585.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,700.0	0.00	0.00	9,685.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,800.0	0.00	0.00	9,785.6	413.7	-50.0	-412.6	0.00	0.00	0.00
9,900.0	0.00	0.00	9,885.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,000.0	0.00	0.00	9,985.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,100.0	0.00	0.00	10,085.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,200.0	0.00	0.00	10,185.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,300.0	0.00	0.00	10,285.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,400.0	0.00	0.00	10,385.6	413.7	-50.0	-412.6	0.00	0.00	0.00
10,494.9	0.00	0.00	10,480.5	413.7	-50.0	-412.6	0.00	0.00	0.00
Start Build 12.00									
10,500.0	0.61	194.25	10,485.6	413.7	-50.0	-412.6	12.00	12.00	0.00
10,600.0	12.61	194.25	10,584.8	402.5	-52.8	-401.4	12.00	12.00	0.00
10,700.0	24.61	194.25	10,679.4	371.7	-60.7	-370.4	12.00	12.00	0.00
10,800.0	36.61	194.25	10,765.3	322.4	-73.2	-320.9	12.00	12.00	0.00
10,900.0	48.61	194.25	10,838.7	256.9	-89.8	-255.1	12.00	12.00	0.00
11,000.0	60.61	194.25	10,896.5	178.0	-109.9	-175.8	12.00	12.00	0.00
11,100.0	72.61	194.25	10,936.1	89.2	-132.4	-86.6	12.00	12.00	0.00
11,200.0	84.61	194.25	10,955.9	-5.6	-156.5	8.7	12.00	12.00	0.00
11,242.3	89.69	194.25	10,958.0	-46.6	-166.9	49.9	12.00	12.00	0.00
Start DLS 4.00 TFO -90.05									
11,300.0	89.69	191.94	10,958.3	-102.8	-180.0	106.3	4.00	0.00	-4.00
11,400.0	89.69	187.94	10,958.8	-201.2	-197.2	205.1	4.00	0.00	-4.00
11,500.0	89.69	183.94	10,959.4	-300.7	-207.6	304.7	4.00	0.00	-4.00
11,600.0	89.69	179.94	10,959.9	-400.6	-211.0	404.7	4.00	0.00	-4.00
11,611.7	89.69	179.47	10,960.0	-412.3	-210.9	416.4	4.00	0.00	-4.00
Start 6996.0 hold at 11611.7 MD									
11,700.0	89.69	179.47	10,960.5	-500.6	-210.1	504.6	0.00	0.00	0.00
11,800.0	89.69	179.47	10,961.0	-600.6	-209.2	604.6	0.00	0.00	0.00
11,900.0	89.69	179.47	10,961.5	-700.6	-208.3	704.6	0.00	0.00	0.00
12,000.0	89.69	179.47	10,962.1	-800.6	-207.3	804.5	0.00	0.00	0.00
12,100.0	89.69	179.47	10,962.6	-900.6	-206.4	904.5	0.00	0.00	0.00
12,200.0	89.69	179.47	10,963.2	-1,000.6	-205.5	1,004.4	0.00	0.00	0.00
12,300.0	89.69	179.47	10,963.7	-1,100.6	-204.6	1,104.4	0.00	0.00	0.00
12,400.0	89.69	179.47	10,964.3	-1,200.6	-203.6	1,204.3	0.00	0.00	0.00
12,500.0	89.69	179.47	10,964.8	-1,300.5	-202.7	1,304.3	0.00	0.00	0.00
12,600.0	89.69	179.47	10,965.3	-1,400.5	-201.8	1,404.3	0.00	0.00	0.00
12,700.0	89.69	179.47	10,965.9	-1,500.5	-200.9	1,504.2	0.00	0.00	0.00
12,800.0	89.69	179.47	10,966.4	-1,600.5	-200.0	1,604.2	0.00	0.00	0.00
12,900.0	89.69	179.47	10,967.0	-1,700.5	-199.0	1,704.1	0.00	0.00	0.00
13,000.0	89.69	179.47	10,967.5	-1,800.5	-198.1	1,804.1	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**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	89.69	179.47	10,968.1	-1,900.5	-197.2	1,904.0	0.00	0.00	0.00
13,200.0	89.69	179.47	10,968.6	-2,000.5	-196.3	2,004.0	0.00	0.00	0.00
13,300.0	89.69	179.47	10,969.1	-2,100.5	-195.4	2,104.0	0.00	0.00	0.00
13,400.0	89.69	179.47	10,969.7	-2,200.5	-194.4	2,203.9	0.00	0.00	0.00
13,500.0	89.69	179.47	10,970.2	-2,300.5	-193.5	2,303.9	0.00	0.00	0.00
13,600.0	89.69	179.47	10,970.8	-2,400.5	-192.6	2,403.8	0.00	0.00	0.00
13,700.0	89.69	179.47	10,971.3	-2,500.5	-191.7	2,503.8	0.00	0.00	0.00
13,800.0	89.69	179.47	10,971.9	-2,600.5	-190.8	2,603.7	0.00	0.00	0.00
13,900.0	89.69	179.47	10,972.4	-2,700.5	-189.8	2,703.7	0.00	0.00	0.00
14,000.0	89.69	179.47	10,973.0	-2,800.5	-188.9	2,803.6	0.00	0.00	0.00
14,100.0	89.69	179.47	10,973.5	-2,900.5	-188.0	2,903.6	0.00	0.00	0.00
14,200.0	89.69	179.47	10,974.0	-3,000.4	-187.1	3,003.6	0.00	0.00	0.00
14,300.0	89.69	179.47	10,974.6	-3,100.4	-186.2	3,103.5	0.00	0.00	0.00
14,400.0	89.69	179.47	10,975.1	-3,200.4	-185.2	3,203.5	0.00	0.00	0.00
14,500.0	89.69	179.47	10,975.7	-3,300.4	-184.3	3,303.4	0.00	0.00	0.00
14,600.0	89.69	179.47	10,976.2	-3,400.4	-183.4	3,403.4	0.00	0.00	0.00
14,700.0	89.69	179.47	10,976.8	-3,500.4	-182.5	3,503.3	0.00	0.00	0.00
14,800.0	89.69	179.47	10,977.3	-3,600.4	-181.6	3,603.3	0.00	0.00	0.00
14,900.0	89.69	179.47	10,977.8	-3,700.4	-180.6	3,703.3	0.00	0.00	0.00
15,000.0	89.69	179.47	10,978.4	-3,800.4	-179.7	3,803.2	0.00	0.00	0.00
15,100.0	89.69	179.47	10,978.9	-3,900.4	-178.8	3,903.2	0.00	0.00	0.00
15,200.0	89.69	179.47	10,979.5	-4,000.4	-177.9	4,003.1	0.00	0.00	0.00
15,300.0	89.69	179.47	10,980.0	-4,100.4	-177.0	4,103.1	0.00	0.00	0.00
15,400.0	89.69	179.47	10,980.6	-4,200.4	-176.0	4,203.0	0.00	0.00	0.00
15,500.0	89.69	179.47	10,981.1	-4,300.4	-175.1	4,303.0	0.00	0.00	0.00
15,600.0	89.69	179.47	10,981.7	-4,400.4	-174.2	4,403.0	0.00	0.00	0.00
15,700.0	89.69	179.47	10,982.2	-4,500.4	-173.3	4,502.9	0.00	0.00	0.00
15,800.0	89.69	179.47	10,982.7	-4,600.4	-172.3	4,602.9	0.00	0.00	0.00
15,900.0	89.69	179.47	10,983.3	-4,700.4	-171.4	4,702.8	0.00	0.00	0.00
16,000.0	89.69	179.47	10,983.8	-4,800.3	-170.5	4,802.8	0.00	0.00	0.00
16,100.0	89.69	179.47	10,984.4	-4,900.3	-169.6	4,902.7	0.00	0.00	0.00
16,200.0	89.69	179.47	10,984.9	-5,000.3	-168.7	5,002.7	0.00	0.00	0.00
16,300.0	89.69	179.47	10,985.5	-5,100.3	-167.7	5,102.6	0.00	0.00	0.00
16,400.0	89.69	179.47	10,986.0	-5,200.3	-166.8	5,202.6	0.00	0.00	0.00
16,500.0	89.69	179.47	10,986.5	-5,300.3	-165.9	5,302.6	0.00	0.00	0.00
16,600.0	89.69	179.47	10,987.1	-5,400.3	-165.0	5,402.5	0.00	0.00	0.00
16,700.0	89.69	179.47	10,987.6	-5,500.3	-164.1	5,502.5	0.00	0.00	0.00
16,800.0	89.69	179.47	10,988.2	-5,600.3	-163.1	5,602.4	0.00	0.00	0.00
16,900.0	89.69	179.47	10,988.7	-5,700.3	-162.2	5,702.4	0.00	0.00	0.00
17,000.0	89.69	179.47	10,989.3	-5,800.3	-161.3	5,802.3	0.00	0.00	0.00
17,100.0	89.69	179.47	10,989.8	-5,900.3	-160.4	5,902.3	0.00	0.00	0.00
17,200.0	89.69	179.47	10,990.3	-6,000.3	-159.5	6,002.3	0.00	0.00	0.00
17,300.0	89.69	179.47	10,990.9	-6,100.3	-158.5	6,102.2	0.00	0.00	0.00

Concho Resources LLC

Survey Report

Company:	DELAWARE BASIN EAST	**Local Co-ordinate Reference:**	Well GREEN BERET FED COM #501H
Project:	BULLDOG PROSPECT (NM-E)	**TVD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)	**MD Reference:**	KB=26' @ 3307.5usft (MCVAY 8)
Well:	GREEN BERET FED COM #501H	**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)
17,400.0	89.69	179.47	10,991.4	-6,200.3	-157.6	6,202.2	0.00	0.00	0.00
17,500.0	89.69	179.47	10,992.0	-6,300.3	-156.7	6,302.1	0.00	0.00	0.00
17,600.0	89.69	179.47	10,992.5	-6,400.3	-155.8	6,402.1	0.00	0.00	0.00
17,700.0	89.69	179.47	10,993.1	-6,500.2	-154.9	6,502.0	0.00	0.00	0.00
17,800.0	89.69	179.47	10,993.6	-6,600.2	-153.9	6,602.0	0.00	0.00	0.00
17,900.0	89.69	179.47	10,994.2	-6,700.2	-153.0	6,702.0	0.00	0.00	0.00
18,000.0	89.69	179.47	10,994.7	-6,800.2	-152.1	6,801.9	0.00	0.00	0.00
18,100.0	89.69	179.47	10,995.2	-6,900.2	-151.2	6,901.9	0.00	0.00	0.00
18,200.0	89.69	179.47	10,995.8	-7,000.2	-150.3	7,001.8	0.00	0.00	0.00
18,300.0	89.69	179.47	10,996.3	-7,100.2	-149.3	7,101.8	0.00	0.00	0.00
18,400.0	89.69	179.47	10,996.9	-7,200.2	-148.4	7,201.7	0.00	0.00	0.00
18,500.0	89.69	179.47	10,997.4	-7,300.2	-147.5	7,301.7	0.00	0.00	0.00
18,600.0	89.69	179.47	10,998.0	-7,400.2	-146.6	7,401.6	0.00	0.00	0.00
18,607.7	89.69	179.47	10,998.0	-7,407.9	-146.5	7,409.3	0.00	0.00	0.00
TD at 18607.7									

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 (GREEN BERET - plan misses target center by 204.4usft at 10910.5usft MD (10845.6 TVD, 249.2 N, -91.8 E) - Circle (radius 50.0)	0.00	0.00	10,958.0	363.7	-218.4	409,657.50	792,657.80	32° 7' 21.848 N	103° 23' 16.862 W
PBHL (GREEN BERE - plan hits target center - Rectangle (sides W100.0 H7,771.5 D20.0)	-0.31	359.47	10,998.0	-7,407.9	-146.5	401,885.90	792,729.70	32° 6' 4.941 N	103° 23' 16.818 W
LTP (GREEN BERET - plan misses target center by 0.3usft at 18557.7usft MD (10997.7 TVD, -7357.9 N, -147.0 E) - Point	0.00	0.00	10,998.0	-7,357.9	-147.0	401,935.90	792,729.20	32° 6' 5.435 N	103° 23' 16.819 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
2500	2500	0	0	Start Build 2.00
2700	2700	7	-1	Start 5773.7 hold at 2700.0 MD
8474	8459	407	-49	Start Drop -2.00
8674	8659	414	-50	Start 1821.2 hold at 8673.7 MD
10,495	10,481	414	-50	Start Build 12.00
11,242	10,958	-47	-167	Start DLS 4.00 TFO -90.05
11,612	10,960	-412	-211	Start 6996.0 hold at 11611.7 MD
18,608	10,998	-7408	-146	TD at 18607.7

Checked By: _____ Approved By: _____ Date: _____

Project:	BULLDOG PROSPECT (NM-E)
Site:	GREEN BERET FEDERAL PROJECT (BULLDOG 2535)
Well:	GREEN BERET FED COM #501H
Wellbore:	OWB
Design:	PWP2
GL:	3281.5
KB=26' @ 3307.5usft (MCVAY 8)	

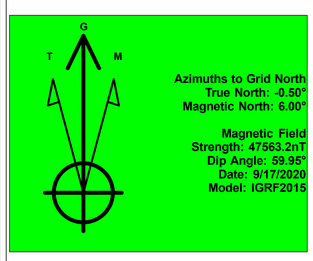
CONCHO

WELL DETAILS: GREEN BERET FED COM #501H

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	409293.80	792876.20	32° 7' 18.231 N	103° 23' 14.359 W

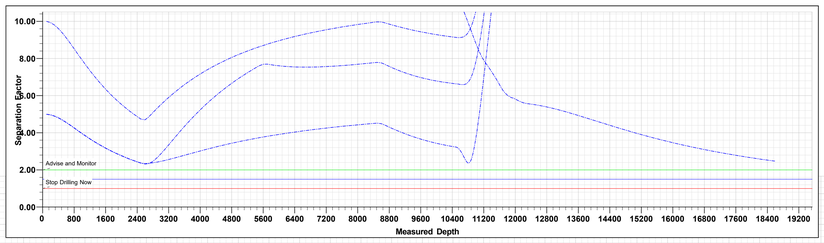
DESIGN TARGET DETAILS

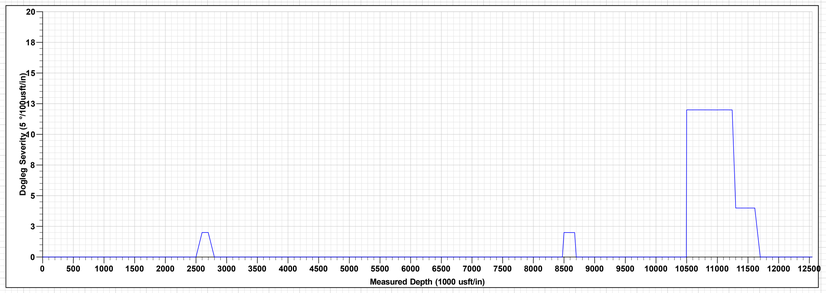
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
FTP (GREEN BERET FED COM #501H)	10958.0	363.7	-218.4	409657.50	792657.80	32° 7' 21.848 N	103° 23' 16.862 W
LTP (GREEN BERET FED COM #501H)	10998.0	-7357.9	-147.0	401935.90	792729.20	32° 6' 5.435 N	103° 23' 16.819 W
PBHL (GREEN BERET FED COM #501H)	10998.0	-7407.9	-146.5	401885.90	792729.70	32° 6' 4.941 N	103° 23' 16.818 W



Azimuths to Grid North
True North: -0.50°
Magnetic North: 6.00°

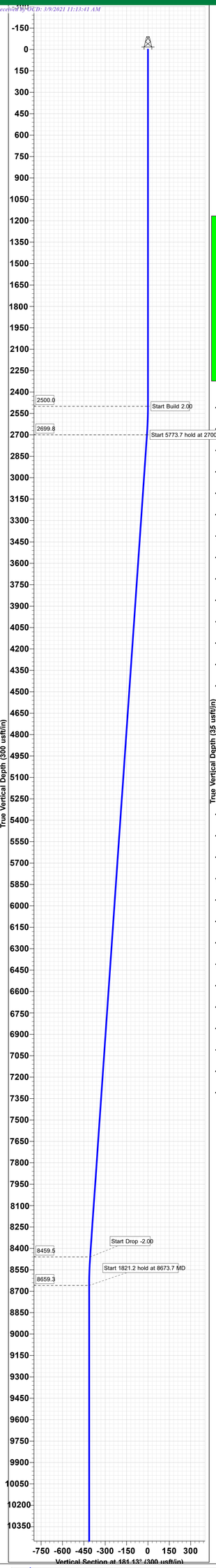
Magnetic Field
Strength: 47563.2nT
Dip Angle: 59.95°
Date: 9/17/2020
Model: IGRF2015

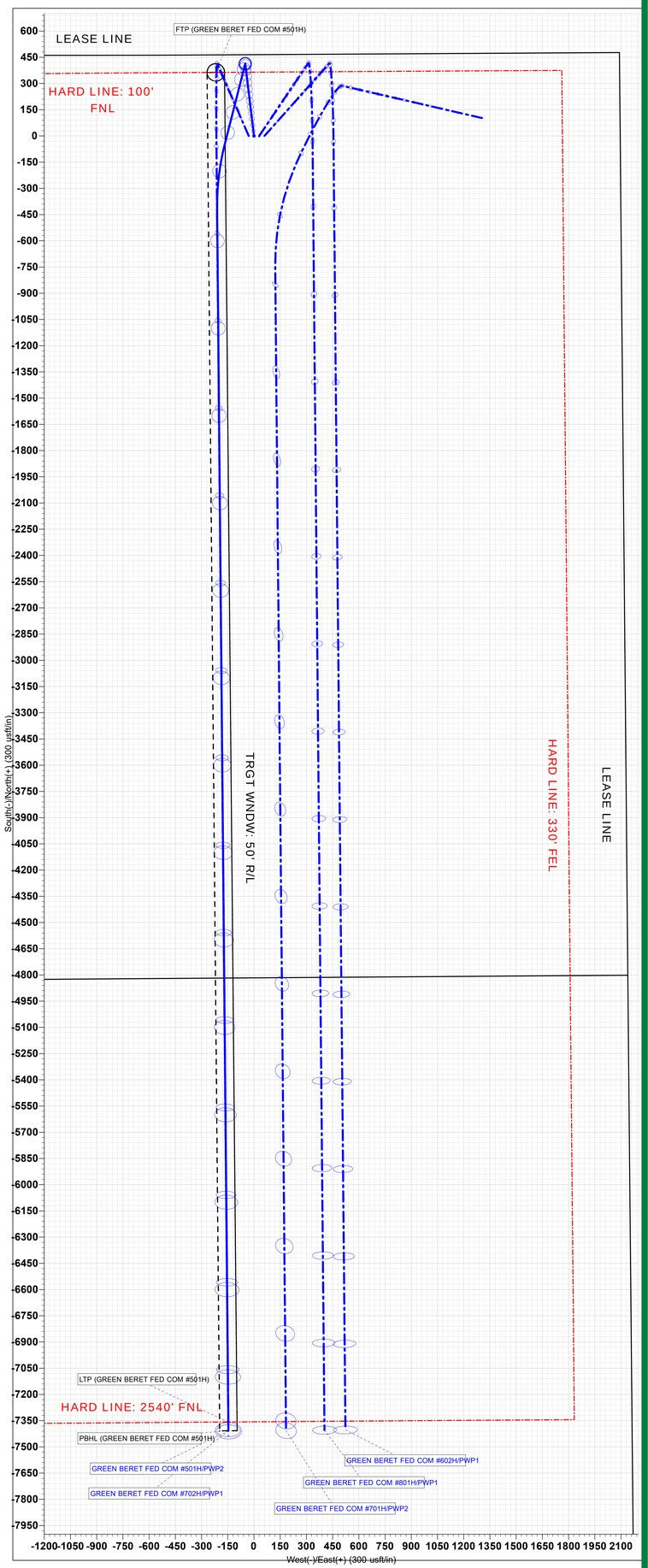


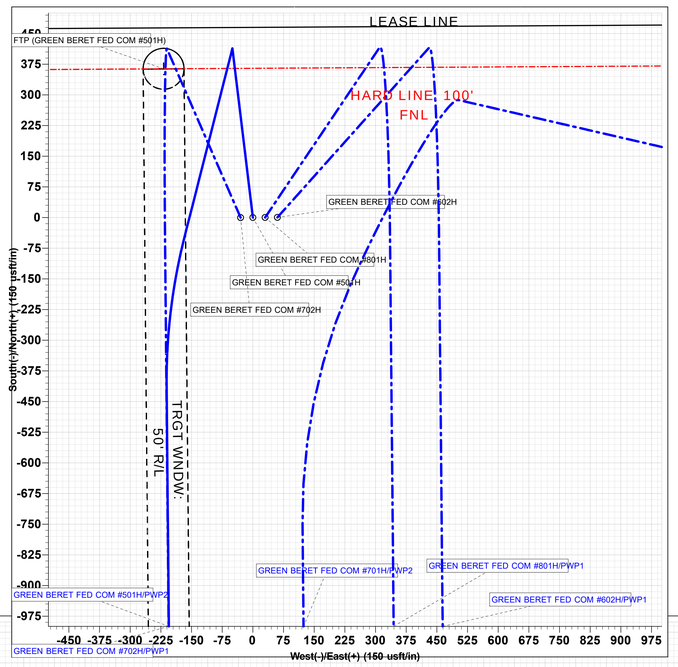


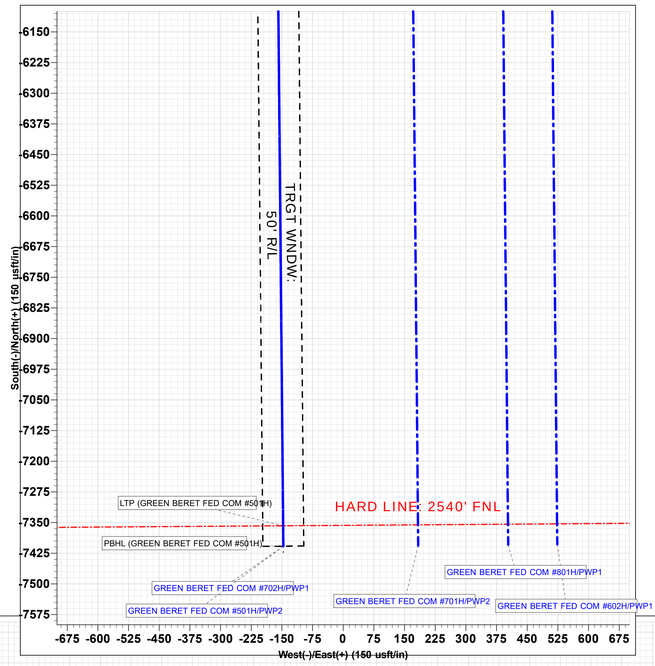
GREEN BERET FED COM #501H

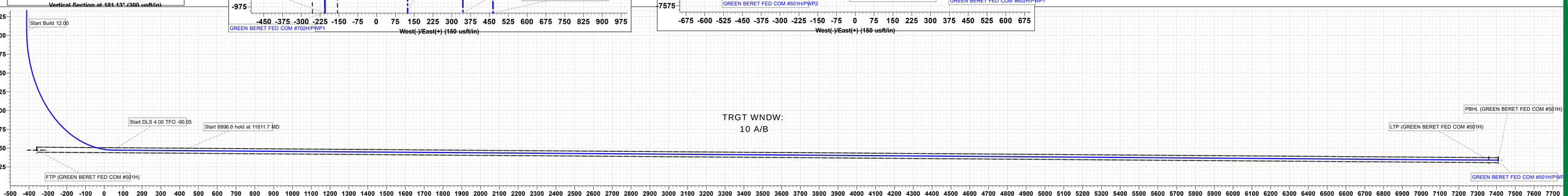
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00
2700.0	4.00	353.11	2699.8	6.9	-0.8	2.00	353.11	-6.9	Start 5773.7 hold at 2700.0 MD
8473.7	4.00	353.11	8459.5	406.8	-49.2	0.00	0.00	-405.7	Start Drop -2.00
8673.7	0.00	0.00	8659.3	413.7	-50.0	2.00	180.00	-412.6	Start 1821.2 hold at 8673.7 MD
10494.9	0.00	0.00	10480.5	413.7	-50.0	0.00	0.00	-412.6	Start Build 12.00
11242.3	89.69	194.25	10958.0	-46.6	-166.9	12.00	194.25	49.9	Start DLS 4.00 TFO -90.05
11611.7	89.69	179.47	10960.0	-412.3	-210.9	4.00	-90.05	416.4	Start 6996.0 hold at 11611.7 MD
18607.7	89.69	179.47	10998.0	-7407.9	-146.5	0.00	0.00	7409.3	TD at 18607.7











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 20221

COMMENTS

Operator:			OGRID:	Action Number:	Action Type:
COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	229137	20221	C-103A

Created By	Comment	Comment Date
jagarcia	Accepted for Record	03/10/2021

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 20221

CONDITIONS OF APPROVAL

Operator:			OGRID:	Action Number:	Action Type:
COG OPERATING LLC	600 W Illinois Ave	Midland, TX79701	229137	20221	C-103A

OCD Reviewer	Condition
jagarcia	None