

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-101
August 1, 2011
Permit 272633

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1. Operator Name and Address COG OPERATING LLC 600 W Illinois Ave Midland, TX 79701		2. OGRID Number 229137
4. Property Code 322718		3. API Number 30-025-46423
5. Property Name LYCHEE STATE COM		6. Well No. 503H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	22	21S	34E	N	410	S	1580	W	Lea

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
C	15	21S	34E	C	50	N	1980	W	Lea

9. Pool Information

BERRY;BONE SPRING, SOUTH	96660
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Additional Well Information

11. Work Type New Well	12. Well Type OIL	13. Cable/Rotary	14. Lease Type State	15. Ground Level Elevation 3713
16. Multiple N	17. Proposed Depth 20651	18. Formation 2nd Bone Spring Sand	19. Contractor	20. Spud Date 10/25/2019
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	17.5	13.375	54.5	1800	1220	0
Int1	12.25	9.625	40	5600	2000	0
Prod	8.75	5.5	17	20651	3300	0

Casing/Cement Program: Additional Comments

Drill 17-1/2" hole to ~1,800' w/ fresh water spud mud. Run 13-3/8" 54.5# J-55 BTC casing to TD and cement to surface in one stage. Drill 12-1/4" hole to ~5,400' with saturated brine. Run 9-5/8 40# J-55 BTC to 3500' and 9-5/8 40# L-80 BTC casing from 3500' to TD and cement to surface in two stages with DV/ECP 100' above reef. Drill 8-3/4" vertical hole, curve & lateral to 20,651' with cut brine. Run 5-1/2" 17# HCP110 BTC casing from TD to surface and cement to surface in one stage.

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000	3000	Cameron

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief.
I further certify I have complied with 19.15.14.9 (A) NMAC ☒ and/or 19.15.14.9 (B) NMAC ☒ if applicable.

OIL CONSERVATION DIVISION

Signature:			
Printed Name:	Electronically filed by Diane Kuykendall	Approved By:	Paul F Kautz
Title:	Production Accounting Director	Title:	Geologist
Email Address:	dkuykendall@concho.com	Approved Date:	10/11/2019
Date:	10/9/2019	Expiration Date:	10/11/2021
Phone:	432-685-4372	Conditions of Approval Attached	

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

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-025-		² Pool Code 96660		³ Pool Name Berry; Bone Spring, South	
⁴ Property Code 322718		⁵ Property Name LYCHEE STATE COM			⁶ Well Number 503H
⁷ OGRID NO. 229137		⁸ Operator Name COG OPERATING, LLC			⁹ Elevation 3713'

¹⁰ Surface Location

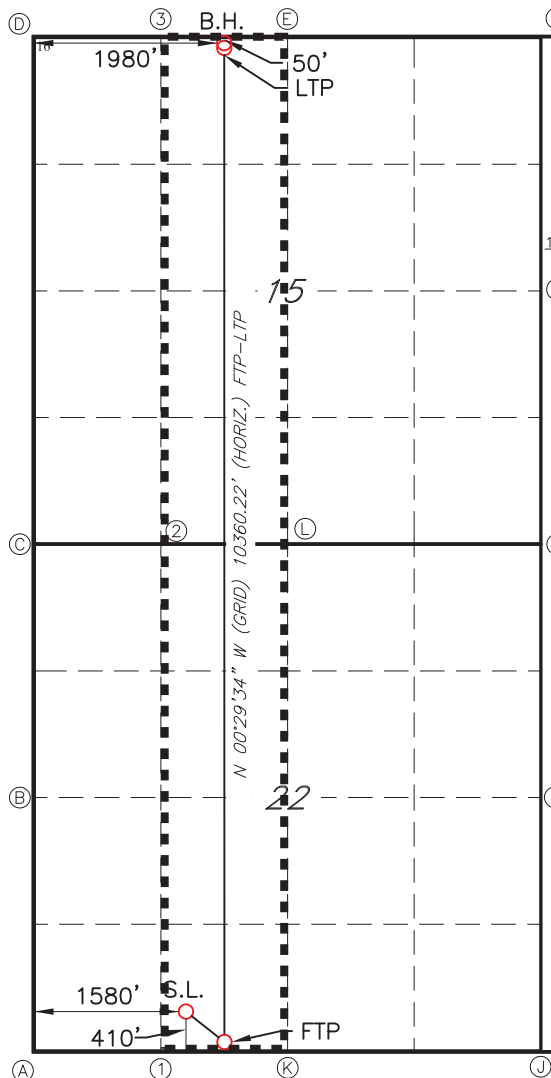
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
N	22	21S	34E		410	SOUTH	1580	WEST	LEA

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	15	21S	34E		50	NORTH	1980	WEST	LEA

¹² Dedicated Acres 320	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETTIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION (SL)
N: 531563.4 - E: 810340.9
LAT: 32.4583113° N
LONG: 103.4611952° W

LAST TAKE POINT (LTP)
100' FNL & 1980' FWL (Sec.15)
N: 541615.6 - E: 810654.3
LAT: 32.4859324° N
LONG: 103.4599124° W

FIRST TAKE POINT (FTP)
100' FSL & 1980' FWL (Sec.22)
N: 531257.6 - E: 810743.4
LAT: 32.4574617° N
LONG: 103.4598984° W

BOTTOM HOLE (BH)
N: 541665.6 - E: 810653.9
LAT: 32.4860698° N
LONG: 103.4599124° W

GEODETTIC DATA
NAD 83 GRID - NM EAST

A: FOUND 100D NAIL
N: 531137.0 - E: 808764.8

B: FOUND BRASS CAP "1913"
N: 533770.0 - E: 808742.2

C: FOUND BRASS CAP "1913"
N: 536410.0 - E: 808719.0

D: FOUND BRASS CAP "1913"
N: 541690.6 - E: 808674.0

E: FOUND BRASS CAP "1913"
N: 541723.9 - E: 811313.9

F: FOUND BRASS CAP "1913"
N: 541760.5 - E: 813954.0

G: FOUND BRASS CAP "1913"
N: 539115.7 - E: 813976.4

H: FOUND BRASS CAP "1913"
N: 536472.7 - E: 814000.1

I: FOUND BRASS CAP "1913"
N: 533832.2 - E: 814022.3

J: FOUND BRASS CAP "1913"
N: 531191.3 - E: 814045.0

K: FOUND BRASS CAP "1913"
N: 531164.5 - E: 811401.4

L: FOUND BRASS CAP "1913"
N: 536439.9 - E: 811359.9

CALCULATED POINTS

1: N: 531150.8 - E: 810083.1
2: N: 536425.0 - E: 810039.4
3: N: 541707.2 - E: 809994.0

¹⁷ OPERATOR CERTIFICATION

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

Signature: *[Signature]* Date: **10/09/19**
Printed Name: **Robyn M. Russell**
E-mail Address: **Russell@concho.com**

¹⁸ SURVEYOR CERTIFICATION

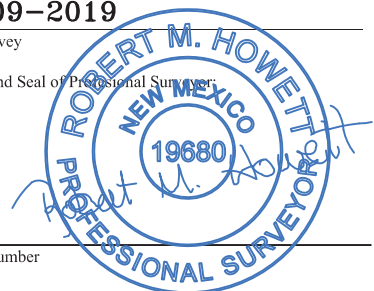
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

09-09-2019

Date of Survey: _____
Signature and Seal of Professional Surveyor: _____

19680

Certificate Number



Job No.: **LS19090864**

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GAS CAPTURE PLAN

Date: 10/11/2019

☒ Original

Operator & OGRID No.: [229137] COG OPERATING LLC

☐ Amended - Reason for
Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well(s)/Production Facility – Name of facility

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
LYCHEE STATE COM #503H	30-025-46423	N-22-21S-34E	0410S 1580W	2906	None	

Gathering System and Pipeline Notification

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to VERSADO GAS PROCESSORS,LLC and will be connected to VERSADO GAS PROCESSORS,LLC Low Pressure gathering system located in Lea County, New Mexico. It will require 0' of pipeline to connect the facility to Low Pressure gathering system. COG OPERATING LLC provides (periodically) to VERSADO GAS PROCESSORS,LLC a drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, COG OPERATING LLC and VERSADO GAS PROCESSORS,LLC have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at VERSADO GAS PROCESSORS,LLC Processing Plant located in Sec. 36, Twn. 19S, Rng. 36E, Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

Flowback Strategy

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

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

Alternatives to Reduce Flaring

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

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

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Form APD Comments

Permit 272633

PERMIT COMMENTS

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701		API Number: 30-025-46423
		Well: LYCHEE STATE COM #503H
Created By	Comment	Comment Date
rodom	H2S concentrations of wells in this area from surface to TD are low enough that a contingency plan is not required.	9/24/2019

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Form APD Conditions

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

Permit 272633

PERMIT CONDITIONS OF APPROVAL

Operator Name and Address: COG OPERATING LLC [229137] 600 W Illinois Ave Midland, TX 79701	API Number: 30-025-46423
	Well: LYCHEE STATE COM #503H

OCD Reviewer	Condition
pkautz	Will require a directional survey with the C-104
pkautz	1) SURFACE & INTERMEDIATE CASING - Cement must circulate to surface -- 2) PRODUCTION CASING - Cement must tie back into intermediate casing --
pkautz	If cement does not circulate to surface, must run temperature survey or other log to determine top of cement
pkautz	Surface casing must be set 25' below top of Rustler Anhydrite in order to seal off protectable water
pkautz	1)- The Operator is to notify NMOCD by sundry (Form C-103) within ten (10) days of the well being spud 2)- Drilling Sundries Form C-103 (Casing and Cement test are to be submitted within 10 days 3)- Completion Reports & Logs are to be submitted within 45 days 4)- Deviation / Directional Drill Survey are to be filed with or prior to C-104
pkautz	It is the operator's responsibility to monitor cancellation dates of approved APDs. APD's are good for 2 years and may be extended for one year. Only one 1 year extension will be granted if submitted by C-103 before expiration date. After expiration date or after a 1 year extension must submit new APD. If an APD expires and if site construction has occurred, site remediation is required.
pkautz	Stage Tool 1) Must notify OCD Hobbs Office prior to running Stage Tool at 5753703186 2) If using Stage Tool on Surface casing, Stage Tool must be set greater than 350' from surface and a minimum of 200 feet above surface shoe. 3) When using a Stage Tool on Intermediate or Production Casing Stage must be a minimum of 50 feet below previous casing shoe.



CONCHO

NORTHERN DELAWARE BASIN

LEA COUNTY, NM

ZEUS

LYCHEE STATE COM 503H

OWB

Plan: PWP1

Standard Survey Report

01 October, 2019

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

Project	LEA COUNTY, NM		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		ZEUS				
Site Position:		Northing:	597,166.40 usft	Latitude:	32° 38' 24.583 N	
From:	Map	Easting:	692,087.80 usft	Longitude:	103° 42' 33.536 W	
Position Uncertainty:		0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.34 °

Well	LYCHEE STATE COM 503H					
Well Position	+N/-S	0.0 usft	Northing:	531,502.00 usft	Latitude:	32° 27' 29.474 N
	+E/-W	0.0 usft	Easting:	769,158.30 usft	Longitude:	103° 27' 38.567 W
Position Uncertainty		3.0 usft	Wellhead Elevation:	usft	Ground Level:	3,713.0 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2015	9/3/2019	6.68	60.26	47,857.99996449

Design	PWP1				
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		0.00

Survey Tool Program	Date	10/1/2019			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
0.0	9,990.8	PWP1 (OWB)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
9,990.8	20,650.6	PWP1 (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	

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00
2,600.0	0.00	0.00	2,600.0	0.0	0.0	0.0	0.00	0.00	0.00
2,700.0	0.00	0.00	2,700.0	0.0	0.0	0.0	0.00	0.00	0.00
2,800.0	0.00	0.00	2,800.0	0.0	0.0	0.0	0.00	0.00	0.00
2,900.0	0.00	0.00	2,900.0	0.0	0.0	0.0	0.00	0.00	0.00
3,000.0	0.00	0.00	3,000.0	0.0	0.0	0.0	0.00	0.00	0.00
3,100.0	0.00	0.00	3,100.0	0.0	0.0	0.0	0.00	0.00	0.00
3,200.0	0.00	0.00	3,200.0	0.0	0.0	0.0	0.00	0.00	0.00
3,300.0	0.00	0.00	3,300.0	0.0	0.0	0.0	0.00	0.00	0.00
3,400.0	0.00	0.00	3,400.0	0.0	0.0	0.0	0.00	0.00	0.00
3,500.0	0.00	0.00	3,500.0	0.0	0.0	0.0	0.00	0.00	0.00
3,600.0	0.00	0.00	3,600.0	0.0	0.0	0.0	0.00	0.00	0.00
3,700.0	0.00	0.00	3,700.0	0.0	0.0	0.0	0.00	0.00	0.00
3,800.0	0.00	0.00	3,800.0	0.0	0.0	0.0	0.00	0.00	0.00
3,900.0	0.00	0.00	3,900.0	0.0	0.0	0.0	0.00	0.00	0.00
4,000.0	0.00	0.00	4,000.0	0.0	0.0	0.0	0.00	0.00	0.00
4,100.0	0.00	0.00	4,100.0	0.0	0.0	0.0	0.00	0.00	0.00
4,200.0	0.00	0.00	4,200.0	0.0	0.0	0.0	0.00	0.00	0.00
4,300.0	0.00	0.00	4,300.0	0.0	0.0	0.0	0.00	0.00	0.00
4,400.0	0.00	0.00	4,400.0	0.0	0.0	0.0	0.00	0.00	0.00
4,500.0	0.00	0.00	4,500.0	0.0	0.0	0.0	0.00	0.00	0.00
4,600.0	0.00	0.00	4,600.0	0.0	0.0	0.0	0.00	0.00	0.00
4,700.0	0.00	0.00	4,700.0	0.0	0.0	0.0	0.00	0.00	0.00
4,800.0	0.00	0.00	4,800.0	0.0	0.0	0.0	0.00	0.00	0.00
4,900.0	0.00	0.00	4,900.0	0.0	0.0	0.0	0.00	0.00	0.00
5,000.0	0.00	0.00	5,000.0	0.0	0.0	0.0	0.00	0.00	0.00
5,100.0	0.00	0.00	5,100.0	0.0	0.0	0.0	0.00	0.00	0.00
5,200.0	0.00	0.00	5,200.0	0.0	0.0	0.0	0.00	0.00	0.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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)
5,300.0	0.00	0.00	5,300.0	0.0	0.0	0.0	0.00	0.00	0.00
5,400.0	0.00	0.00	5,400.0	0.0	0.0	0.0	0.00	0.00	0.00
5,500.0	0.00	0.00	5,500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 2.00									
5,600.0	2.00	131.40	5,600.0	-1.2	1.3	-1.2	2.00	2.00	0.00
5,700.0	4.00	131.40	5,699.8	-4.6	5.2	-4.6	2.00	2.00	0.00
5,750.0	5.00	131.40	5,749.7	-7.2	8.2	-7.2	2.00	2.00	0.00
Start 4185.5 hold at 5750.0 MD									
5,800.0	5.00	131.40	5,799.5	-10.1	11.4	-10.1	0.00	0.00	0.00
5,900.0	5.00	131.40	5,899.1	-15.9	18.0	-15.9	0.00	0.00	0.00
6,000.0	5.00	131.40	5,998.7	-21.6	24.5	-21.6	0.00	0.00	0.00
6,100.0	5.00	131.40	6,098.4	-27.4	31.1	-27.4	0.00	0.00	0.00
6,200.0	5.00	131.40	6,198.0	-33.1	37.6	-33.1	0.00	0.00	0.00
6,300.0	5.00	131.40	6,297.6	-38.9	44.1	-38.9	0.00	0.00	0.00
6,400.0	5.00	131.40	6,397.2	-44.7	50.7	-44.7	0.00	0.00	0.00
6,500.0	5.00	131.40	6,496.8	-50.4	57.2	-50.4	0.00	0.00	0.00
6,600.0	5.00	131.40	6,596.4	-56.2	63.7	-56.2	0.00	0.00	0.00
6,700.0	5.00	131.40	6,696.1	-62.0	70.3	-62.0	0.00	0.00	0.00
6,800.0	5.00	131.40	6,795.7	-67.7	76.8	-67.7	0.00	0.00	0.00
6,900.0	5.00	131.40	6,895.3	-73.5	83.4	-73.5	0.00	0.00	0.00
7,000.0	5.00	131.40	6,994.9	-79.3	89.9	-79.3	0.00	0.00	0.00
7,100.0	5.00	131.40	7,094.5	-85.0	96.4	-85.0	0.00	0.00	0.00
7,200.0	5.00	131.40	7,194.2	-90.8	103.0	-90.8	0.00	0.00	0.00
7,300.0	5.00	131.40	7,293.8	-96.5	109.5	-96.5	0.00	0.00	0.00
7,400.0	5.00	131.40	7,393.4	-102.3	116.0	-102.3	0.00	0.00	0.00
7,500.0	5.00	131.40	7,493.0	-108.1	122.6	-108.1	0.00	0.00	0.00
7,600.0	5.00	131.40	7,592.6	-113.8	129.1	-113.8	0.00	0.00	0.00
7,700.0	5.00	131.40	7,692.3	-119.6	135.7	-119.6	0.00	0.00	0.00
7,800.0	5.00	131.40	7,791.9	-125.4	142.2	-125.4	0.00	0.00	0.00
7,900.0	5.00	131.40	7,891.5	-131.1	148.7	-131.1	0.00	0.00	0.00
8,000.0	5.00	131.40	7,991.1	-136.9	155.3	-136.9	0.00	0.00	0.00
8,100.0	5.00	131.40	8,090.7	-142.7	161.8	-142.7	0.00	0.00	0.00
8,200.0	5.00	131.40	8,190.4	-148.4	168.3	-148.4	0.00	0.00	0.00
8,300.0	5.00	131.40	8,290.0	-154.2	174.9	-154.2	0.00	0.00	0.00
8,400.0	5.00	131.40	8,389.6	-159.9	181.4	-159.9	0.00	0.00	0.00
8,500.0	5.00	131.40	8,489.2	-165.7	188.0	-165.7	0.00	0.00	0.00
8,600.0	5.00	131.40	8,588.8	-171.5	194.5	-171.5	0.00	0.00	0.00
8,700.0	5.00	131.40	8,688.5	-177.2	201.0	-177.2	0.00	0.00	0.00
8,800.0	5.00	131.40	8,788.1	-183.0	207.6	-183.0	0.00	0.00	0.00
8,900.0	5.00	131.40	8,887.7	-188.8	214.1	-188.8	0.00	0.00	0.00
9,000.0	5.00	131.40	8,987.3	-194.5	220.7	-194.5	0.00	0.00	0.00
9,100.0	5.00	131.40	9,086.9	-200.3	227.2	-200.3	0.00	0.00	0.00
9,200.0	5.00	131.40	9,186.6	-206.1	233.7	-206.1	0.00	0.00	0.00
9,300.0	5.00	131.40	9,286.2	-211.8	240.3	-211.8	0.00	0.00	0.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

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	5.00	131.40	9,385.8	-217.6	246.8	-217.6	0.00	0.00	0.00
9,500.0	5.00	131.40	9,485.4	-223.3	253.3	-223.3	0.00	0.00	0.00
9,600.0	5.00	131.40	9,585.0	-229.1	259.9	-229.1	0.00	0.00	0.00
9,700.0	5.00	131.40	9,684.7	-234.9	266.4	-234.9	0.00	0.00	0.00
9,800.0	5.00	131.40	9,784.3	-240.6	273.0	-240.6	0.00	0.00	0.00
9,900.0	5.00	131.40	9,883.9	-246.4	279.5	-246.4	0.00	0.00	0.00
9,935.5	5.00	131.40	9,919.3	-248.5	281.8	-248.5	0.00	0.00	0.00
Start DLS 10.00 TFO -125.70									
10,000.0	5.37	54.58	9,983.6	-248.6	286.4	-248.6	10.00	0.58	-119.18
10,100.0	14.11	22.00	10,082.1	-234.5	294.8	-234.5	10.00	8.74	-32.58
10,200.0	23.85	14.84	10,176.5	-203.6	304.6	-203.6	10.00	9.74	-7.16
10,300.0	33.74	11.70	10,264.1	-156.7	315.4	-156.7	10.00	9.89	-3.14
10,400.0	43.67	9.86	10,342.0	-95.4	327.0	-95.4	10.00	9.93	-1.84
10,500.0	53.63	8.60	10,408.0	-21.4	338.9	-21.4	10.00	9.96	-1.27
10,600.0	63.59	7.62	10,460.0	63.1	350.9	63.1	10.00	9.97	-0.98
10,700.0	73.57	6.80	10,496.5	155.3	362.6	155.3	10.00	9.97	-0.82
10,800.0	83.54	6.06	10,516.3	252.6	373.5	252.6	10.00	9.97	-0.74
10,864.8	90.00	5.60	10,520.0	316.9	380.1	316.9	10.00	9.97	-0.71
Start DLS 2.00 TFO -90.00									
10,900.0	90.00	4.90	10,520.0	352.0	383.3	352.0	2.00	0.00	-2.00
11,000.0	90.00	2.90	10,520.0	451.7	390.1	451.7	2.00	0.00	-2.00
11,100.0	90.00	0.90	10,520.0	551.7	393.4	551.7	2.00	0.00	-2.00
11,169.1	90.00	359.51	10,520.0	620.7	393.6	620.7	2.00	0.00	-2.00
Start 9481.5 hold at 11169.1 MD									
11,200.0	90.00	359.51	10,520.0	651.7	393.4	651.7	0.00	0.00	0.00
11,300.0	90.00	359.51	10,520.0	751.7	392.5	751.7	0.00	0.00	0.00
11,400.0	90.00	359.51	10,520.0	851.6	391.7	851.6	0.00	0.00	0.00
11,500.0	90.00	359.51	10,520.0	951.6	390.8	951.6	0.00	0.00	0.00
11,600.0	90.00	359.51	10,520.0	1,051.6	390.0	1,051.6	0.00	0.00	0.00
11,700.0	90.00	359.51	10,520.0	1,151.6	389.1	1,151.6	0.00	0.00	0.00
11,800.0	90.00	359.51	10,520.0	1,251.6	388.3	1,251.6	0.00	0.00	0.00
11,900.0	90.00	359.51	10,520.0	1,351.6	387.4	1,351.6	0.00	0.00	0.00
12,000.0	90.00	359.51	10,520.0	1,451.6	386.6	1,451.6	0.00	0.00	0.00
12,100.0	90.00	359.51	10,520.0	1,551.6	385.7	1,551.6	0.00	0.00	0.00
12,200.0	90.00	359.51	10,520.0	1,651.6	384.9	1,651.6	0.00	0.00	0.00
12,300.0	90.00	359.51	10,520.0	1,751.6	384.0	1,751.6	0.00	0.00	0.00
12,400.0	90.00	359.51	10,520.0	1,851.6	383.2	1,851.6	0.00	0.00	0.00
12,500.0	90.00	359.51	10,520.0	1,951.6	382.3	1,951.6	0.00	0.00	0.00
12,600.0	90.00	359.51	10,520.0	2,051.6	381.5	2,051.6	0.00	0.00	0.00
12,700.0	90.00	359.51	10,520.0	2,151.6	380.7	2,151.6	0.00	0.00	0.00
12,800.0	90.00	359.51	10,520.0	2,251.6	379.8	2,251.6	0.00	0.00	0.00
12,900.0	90.00	359.51	10,520.0	2,351.6	379.0	2,351.6	0.00	0.00	0.00
13,000.0	90.00	359.51	10,520.0	2,451.6	378.1	2,451.6	0.00	0.00	0.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,100.0	90.00	359.51	10,520.0	2,551.6	377.3	2,551.6	0.00	0.00	0.00
13,200.0	90.00	359.51	10,520.0	2,651.6	376.4	2,651.6	0.00	0.00	0.00
13,300.0	90.00	359.51	10,520.0	2,751.6	375.6	2,751.6	0.00	0.00	0.00
13,400.0	90.00	359.51	10,520.0	2,851.6	374.7	2,851.6	0.00	0.00	0.00
13,500.0	90.00	359.51	10,520.0	2,951.6	373.9	2,951.6	0.00	0.00	0.00
13,600.0	90.00	359.51	10,520.0	3,051.6	373.0	3,051.6	0.00	0.00	0.00
13,700.0	90.00	359.51	10,520.0	3,151.6	372.2	3,151.6	0.00	0.00	0.00
13,800.0	90.00	359.51	10,520.0	3,251.6	371.3	3,251.6	0.00	0.00	0.00
13,900.0	90.00	359.51	10,520.0	3,351.6	370.5	3,351.6	0.00	0.00	0.00
14,000.0	90.00	359.51	10,520.0	3,451.6	369.6	3,451.6	0.00	0.00	0.00
14,100.0	90.00	359.51	10,520.0	3,551.6	368.8	3,551.6	0.00	0.00	0.00
14,200.0	90.00	359.51	10,520.0	3,651.5	367.9	3,651.5	0.00	0.00	0.00
14,300.0	90.00	359.51	10,520.0	3,751.5	367.1	3,751.5	0.00	0.00	0.00
14,400.0	90.00	359.51	10,520.0	3,851.5	366.2	3,851.5	0.00	0.00	0.00
14,500.0	90.00	359.51	10,520.0	3,951.5	365.4	3,951.5	0.00	0.00	0.00
14,600.0	90.00	359.51	10,520.0	4,051.5	364.5	4,051.5	0.00	0.00	0.00
14,700.0	90.00	359.51	10,520.0	4,151.5	363.7	4,151.5	0.00	0.00	0.00
14,800.0	90.00	359.51	10,520.0	4,251.5	362.8	4,251.5	0.00	0.00	0.00
14,900.0	90.00	359.51	10,520.0	4,351.5	362.0	4,351.5	0.00	0.00	0.00
15,000.0	90.00	359.51	10,520.0	4,451.5	361.1	4,451.5	0.00	0.00	0.00
15,100.0	90.00	359.51	10,520.0	4,551.5	360.3	4,551.5	0.00	0.00	0.00
15,200.0	90.00	359.51	10,520.0	4,651.5	359.4	4,651.5	0.00	0.00	0.00
15,300.0	90.00	359.51	10,520.0	4,751.5	358.6	4,751.5	0.00	0.00	0.00
15,400.0	90.00	359.51	10,520.0	4,851.5	357.7	4,851.5	0.00	0.00	0.00
15,500.0	90.00	359.51	10,520.0	4,951.5	356.9	4,951.5	0.00	0.00	0.00
15,600.0	90.00	359.51	10,520.0	5,051.5	356.0	5,051.5	0.00	0.00	0.00
15,700.0	90.00	359.51	10,520.0	5,151.5	355.2	5,151.5	0.00	0.00	0.00
15,800.0	90.00	359.51	10,520.0	5,251.5	354.4	5,251.5	0.00	0.00	0.00
15,900.0	90.00	359.51	10,520.0	5,351.5	353.5	5,351.5	0.00	0.00	0.00
16,000.0	90.00	359.51	10,520.0	5,451.5	352.7	5,451.5	0.00	0.00	0.00
16,100.0	90.00	359.51	10,520.0	5,551.5	351.8	5,551.5	0.00	0.00	0.00
16,200.0	90.00	359.51	10,520.0	5,651.5	351.0	5,651.5	0.00	0.00	0.00
16,300.0	90.00	359.51	10,520.0	5,751.5	350.1	5,751.5	0.00	0.00	0.00
16,400.0	90.00	359.51	10,520.0	5,851.5	349.3	5,851.5	0.00	0.00	0.00
16,500.0	90.00	359.51	10,520.0	5,951.5	348.4	5,951.5	0.00	0.00	0.00
16,600.0	90.00	359.51	10,520.0	6,051.5	347.6	6,051.5	0.00	0.00	0.00
16,700.0	90.00	359.51	10,520.0	6,151.5	346.7	6,151.5	0.00	0.00	0.00
16,800.0	90.00	359.51	10,520.0	6,251.5	345.9	6,251.5	0.00	0.00	0.00
16,900.0	90.00	359.51	10,520.0	6,351.5	345.0	6,351.5	0.00	0.00	0.00
17,000.0	90.00	359.51	10,520.0	6,451.4	344.2	6,451.4	0.00	0.00	0.00
17,100.0	90.00	359.51	10,520.0	6,551.4	343.3	6,551.4	0.00	0.00	0.00
17,200.0	90.00	359.51	10,520.0	6,651.4	342.5	6,651.4	0.00	0.00	0.00
17,300.0	90.00	359.51	10,520.0	6,751.4	341.6	6,751.4	0.00	0.00	0.00
17,400.0	90.00	359.51	10,520.0	6,851.4	340.8	6,851.4	0.00	0.00	0.00

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
17,500.0	90.00	359.51	10,520.0	6,951.4	339.9	6,951.4	0.00	0.00	0.00
17,600.0	90.00	359.51	10,520.0	7,051.4	339.1	7,051.4	0.00	0.00	0.00
17,700.0	90.00	359.51	10,520.0	7,151.4	338.2	7,151.4	0.00	0.00	0.00
17,800.0	90.00	359.51	10,520.0	7,251.4	337.4	7,251.4	0.00	0.00	0.00
17,900.0	90.00	359.51	10,520.0	7,351.4	336.5	7,351.4	0.00	0.00	0.00
18,000.0	90.00	359.51	10,520.0	7,451.4	335.7	7,451.4	0.00	0.00	0.00
18,100.0	90.00	359.51	10,520.0	7,551.4	334.8	7,551.4	0.00	0.00	0.00
18,200.0	90.00	359.51	10,520.0	7,651.4	334.0	7,651.4	0.00	0.00	0.00
18,300.0	90.00	359.51	10,520.0	7,751.4	333.1	7,751.4	0.00	0.00	0.00
18,400.0	90.00	359.51	10,520.0	7,851.4	332.3	7,851.4	0.00	0.00	0.00
18,500.0	90.00	359.51	10,520.0	7,951.4	331.4	7,951.4	0.00	0.00	0.00
18,600.0	90.00	359.51	10,520.0	8,051.4	330.6	8,051.4	0.00	0.00	0.00
18,700.0	90.00	359.51	10,520.0	8,151.4	329.7	8,151.4	0.00	0.00	0.00
18,800.0	90.00	359.51	10,520.0	8,251.4	328.9	8,251.4	0.00	0.00	0.00
18,900.0	90.00	359.51	10,520.0	8,351.4	328.1	8,351.4	0.00	0.00	0.00
19,000.0	90.00	359.51	10,520.0	8,451.4	327.2	8,451.4	0.00	0.00	0.00
19,100.0	90.00	359.51	10,520.0	8,551.4	326.4	8,551.4	0.00	0.00	0.00
19,200.0	90.00	359.51	10,520.0	8,651.4	325.5	8,651.4	0.00	0.00	0.00
19,300.0	90.00	359.51	10,520.0	8,751.4	324.7	8,751.4	0.00	0.00	0.00
19,400.0	90.00	359.51	10,520.0	8,851.4	323.8	8,851.4	0.00	0.00	0.00
19,500.0	90.00	359.51	10,520.0	8,951.4	323.0	8,951.4	0.00	0.00	0.00
19,600.0	90.00	359.51	10,520.0	9,051.4	322.1	9,051.4	0.00	0.00	0.00
19,700.0	90.00	359.51	10,520.0	9,151.3	321.3	9,151.3	0.00	0.00	0.00
19,800.0	90.00	359.51	10,520.0	9,251.3	320.4	9,251.3	0.00	0.00	0.00
19,900.0	90.00	359.51	10,520.0	9,351.3	319.6	9,351.3	0.00	0.00	0.00
20,000.0	90.00	359.51	10,520.0	9,451.3	318.7	9,451.3	0.00	0.00	0.00
20,100.0	90.00	359.51	10,520.0	9,551.3	317.9	9,551.3	0.00	0.00	0.00
20,200.0	90.00	359.51	10,520.0	9,651.3	317.0	9,651.3	0.00	0.00	0.00
20,300.0	90.00	359.51	10,520.0	9,751.3	316.2	9,751.3	0.00	0.00	0.00
20,400.0	90.00	359.51	10,520.0	9,851.3	315.3	9,851.3	0.00	0.00	0.00
20,500.0	90.00	359.51	10,520.0	9,951.3	314.5	9,951.3	0.00	0.00	0.00
20,600.0	90.00	359.51	10,520.0	10,051.3	313.6	10,051.3	0.00	0.00	0.00
20,650.6	90.00	359.51	10,520.0	10,101.9	313.2	10,101.9	0.00	0.00	0.00

TD at 20650.6

Survey Report

Company:	NORTHERN DELAWARE BASIN	Local Co-ordinate Reference:	Well LYCHEE STATE COM503H
Project:	LEA COUNTY, NM	TVD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Site:	ZEUS	MD Reference:	KB=25' @ 3738.0usft (Lattshaw 44)
Well:	LYCHEE STATE COM 503H	North Reference:	Grid
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	PWP1	Database:	EDM_Users

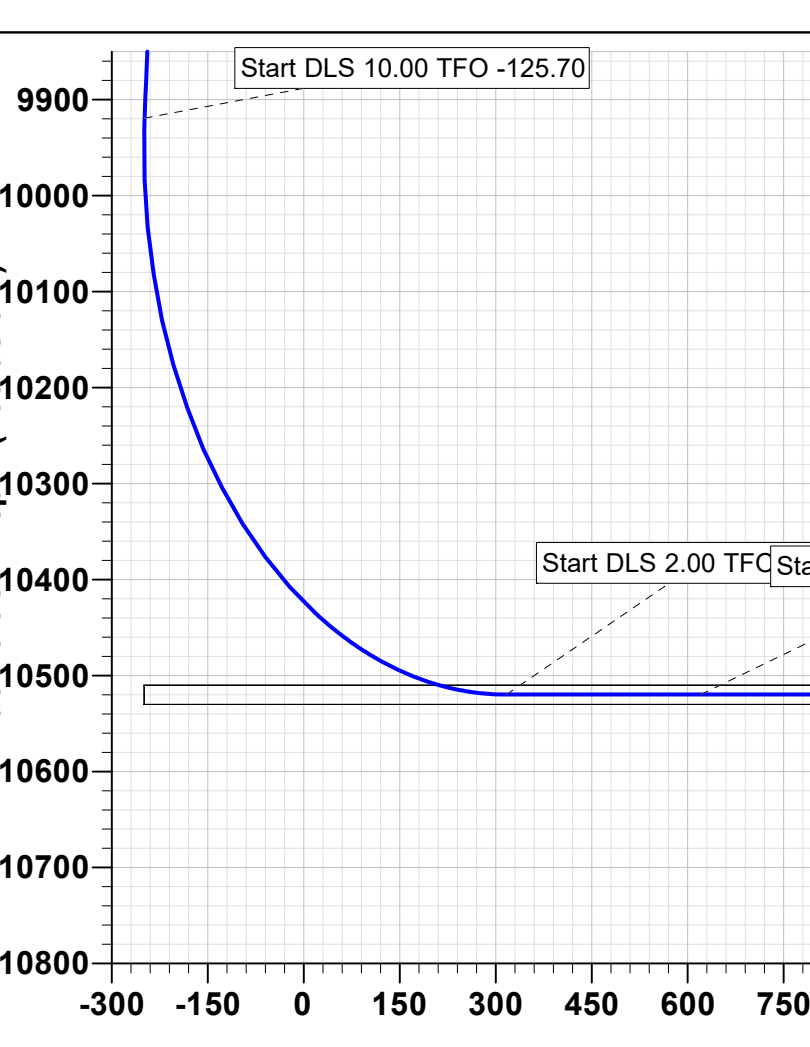
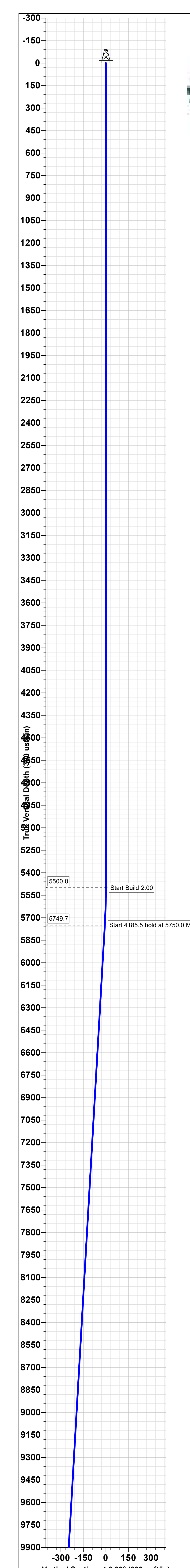
Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL (LYCHEE STAT - plan hits target center - Rectangle (sides W100.0 H10,351.0 D20.0)	0.00	179.51	10,520.0	10,101.9	313.2	541,603.90	769,471.50	32° 29' 9.405 N	103° 27' 33.947 W
LTP (LYCHEE STATE - plan misses target center by 0.6usft at 20600.0usft MD (10520.0 TVD, 10051.3 N, 313.6 E) - Point	0.00	0.00	10,520.0	10,051.9	313.7	541,553.90	769,472.00	32° 29' 8.910 N	103° 27' 33.946 W
FTP (LYCHEE STATE - plan misses target center by 285.8usft at 10400.0usft MD (10342.0 TVD, -95.4 N, 327.0 E) - Point	0.00	0.00	10,520.0	-305.8	402.5	531,196.20	769,560.80	32° 27' 26.416 N	103° 27' 33.899 W

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
5500	5500	0	0	Start Build 2.00
5750	5750	-7	8	Start 4185.5 hold at 5750.0 MD
9936	9919	-248	282	Start DLS 10.00 TFO -125.70
10,865	10,520	317	380	Start DLS 2.00 TFO -90.00
11,169	10,520	621	394	Start 9481.5 hold at 11169.1 MD
20,651	10,520	10,102	313	TD at 20650.6

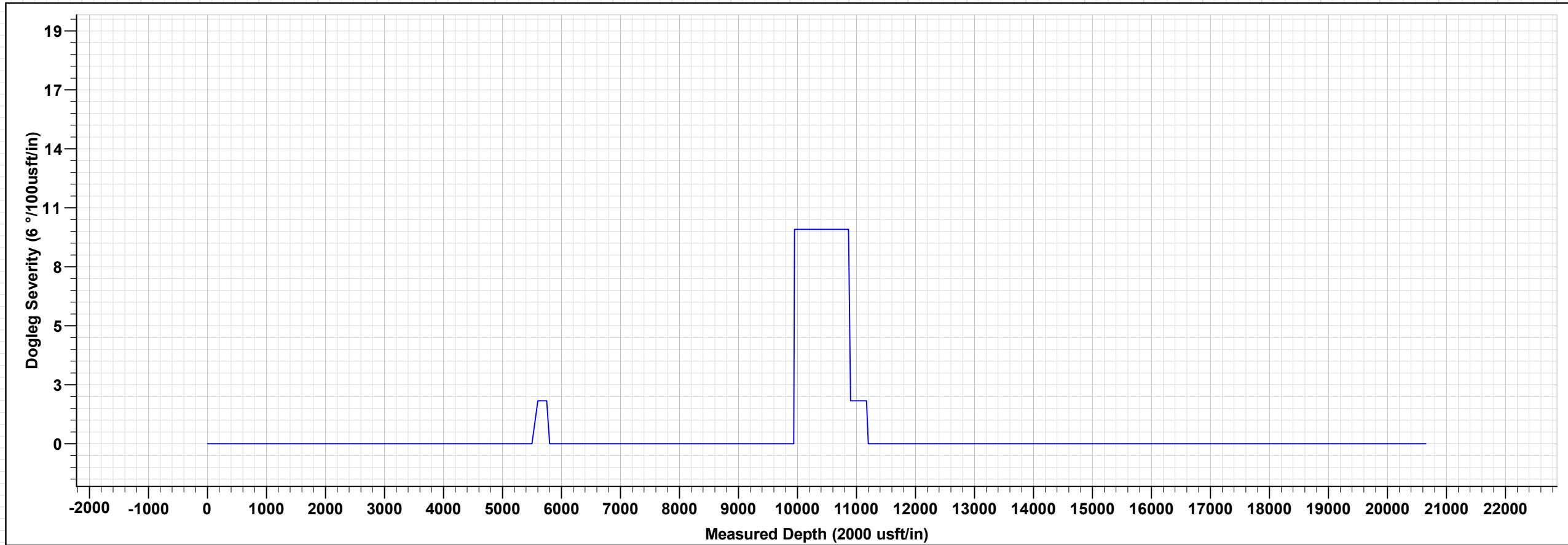
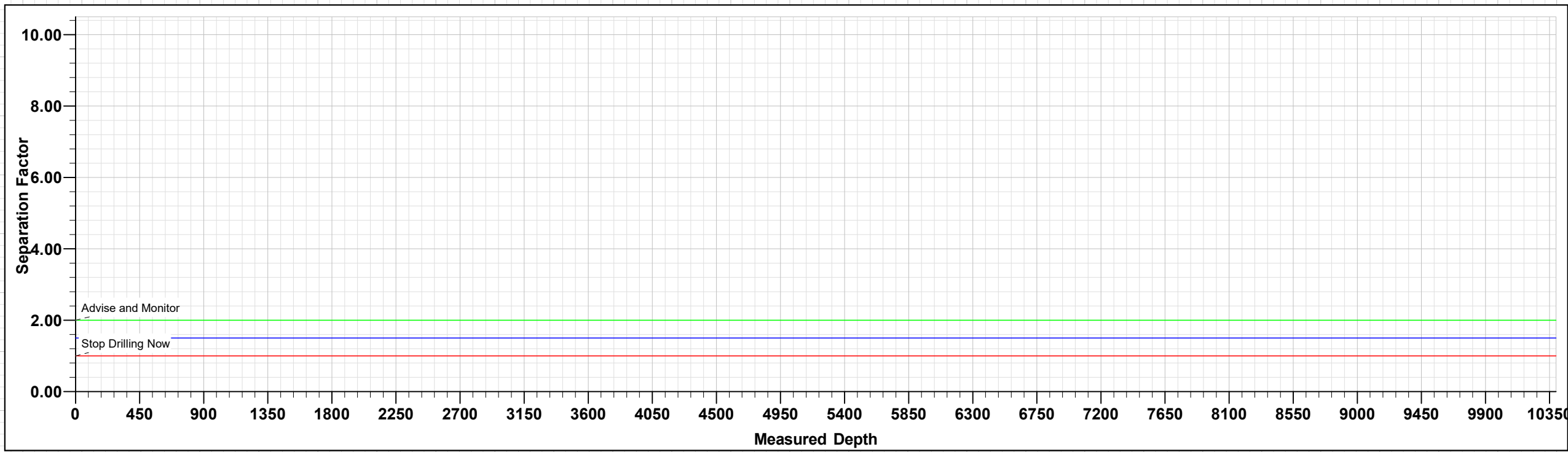
Checked By: _____ Approved By: _____ Date: _____



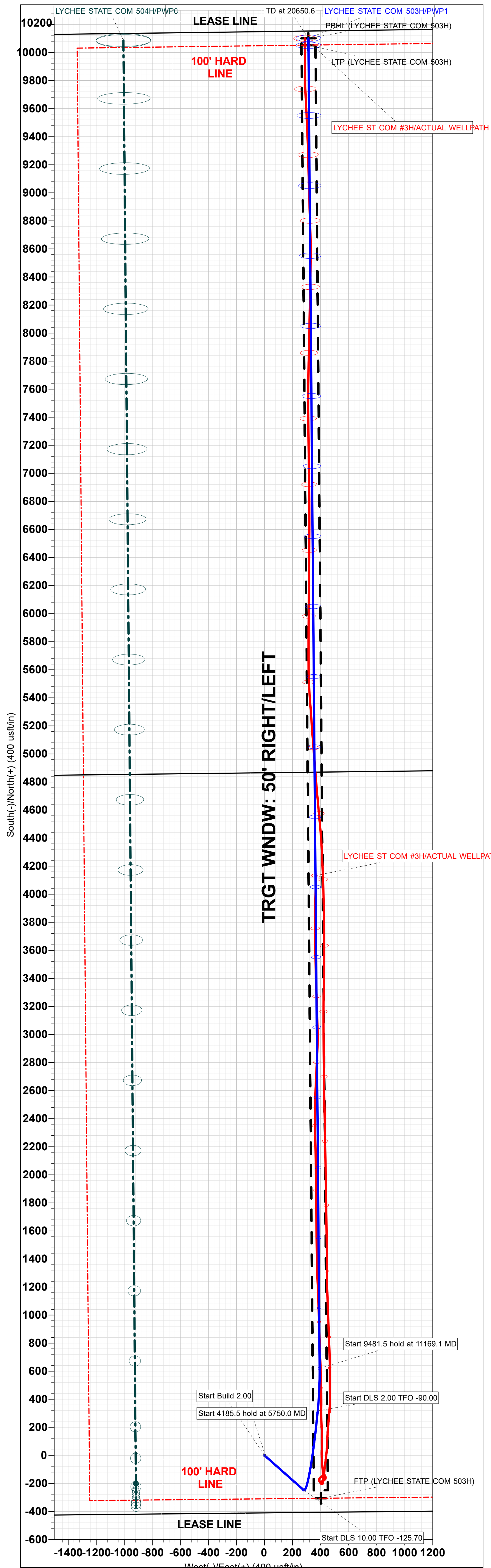
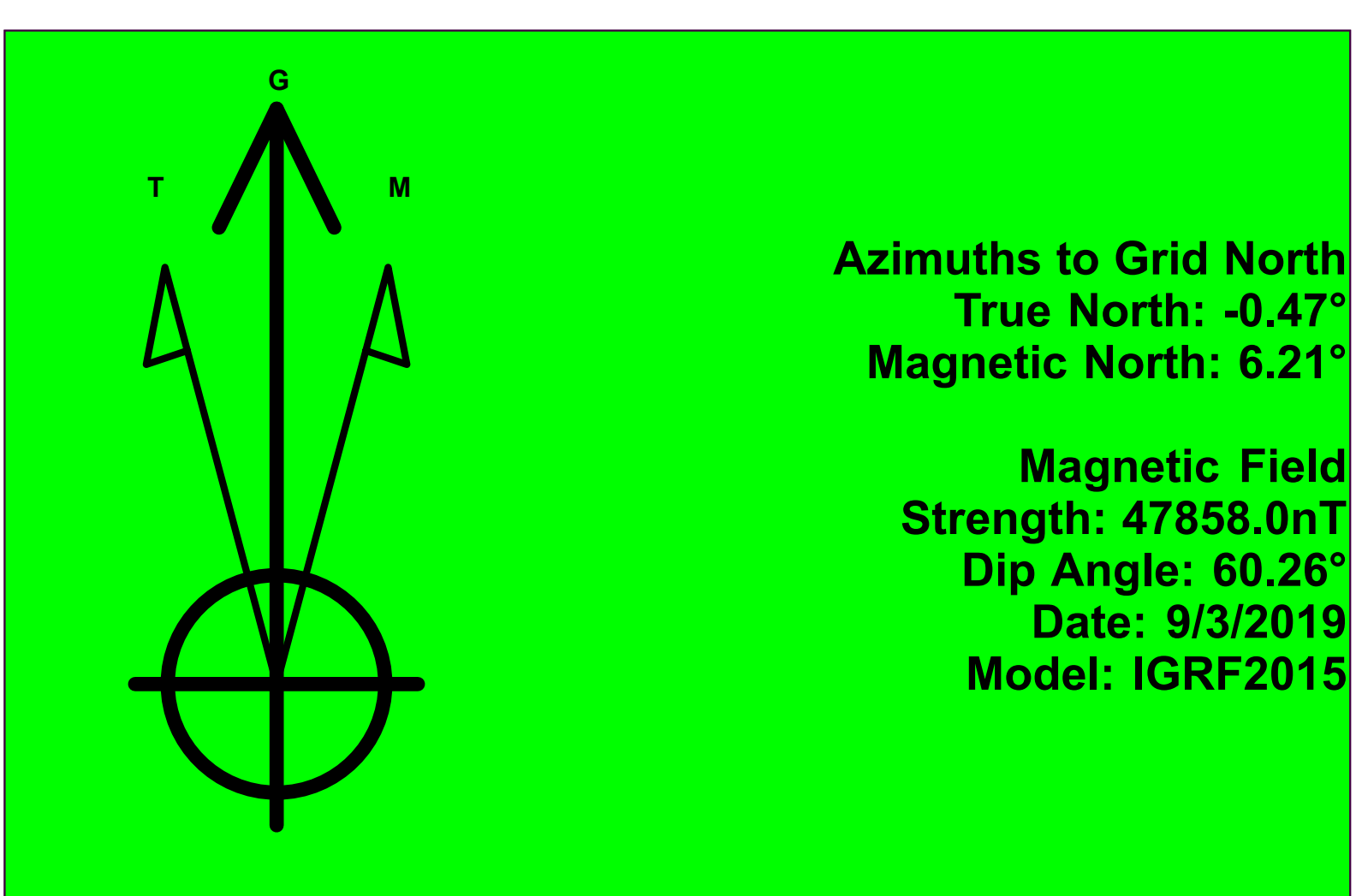
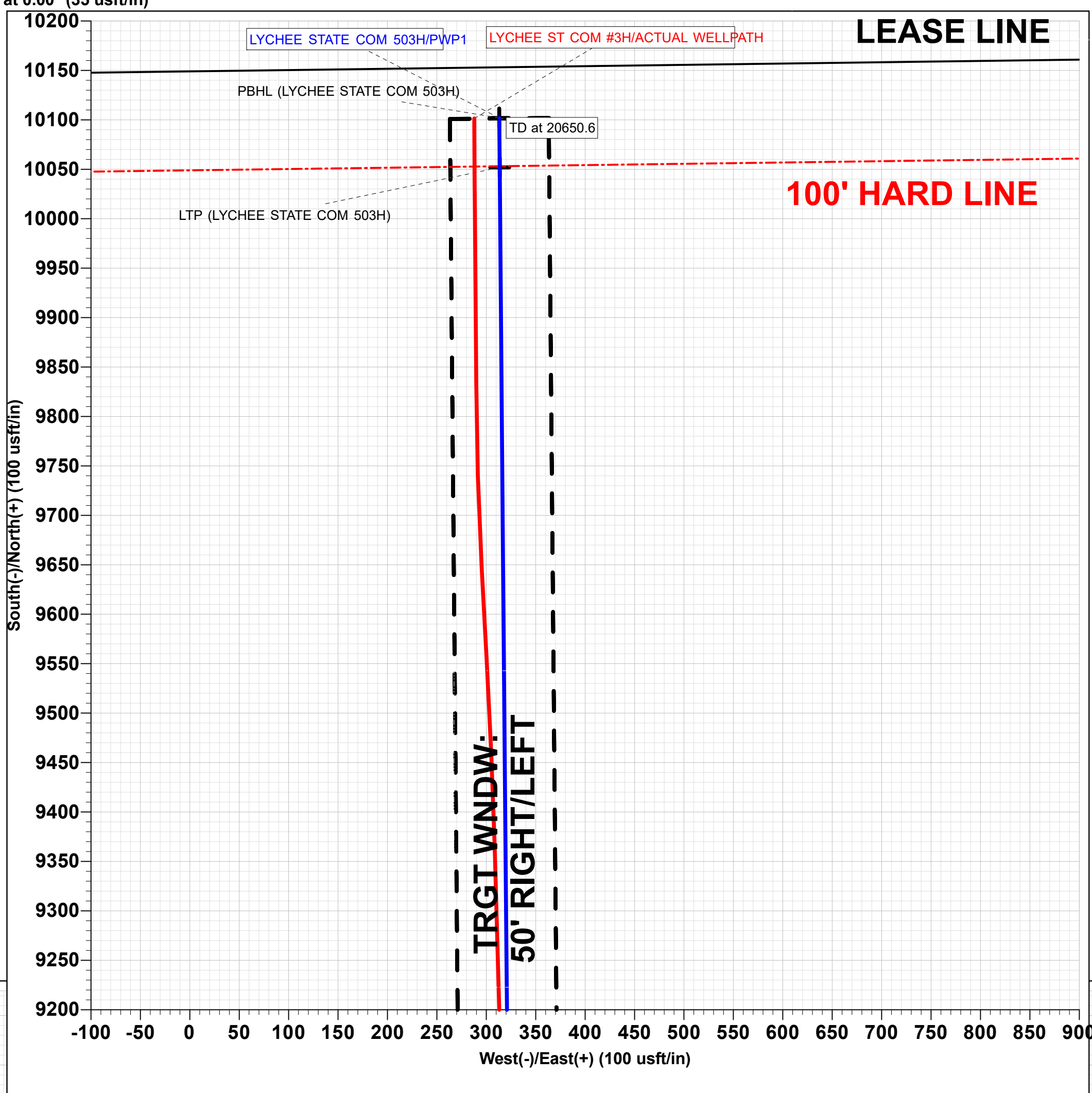
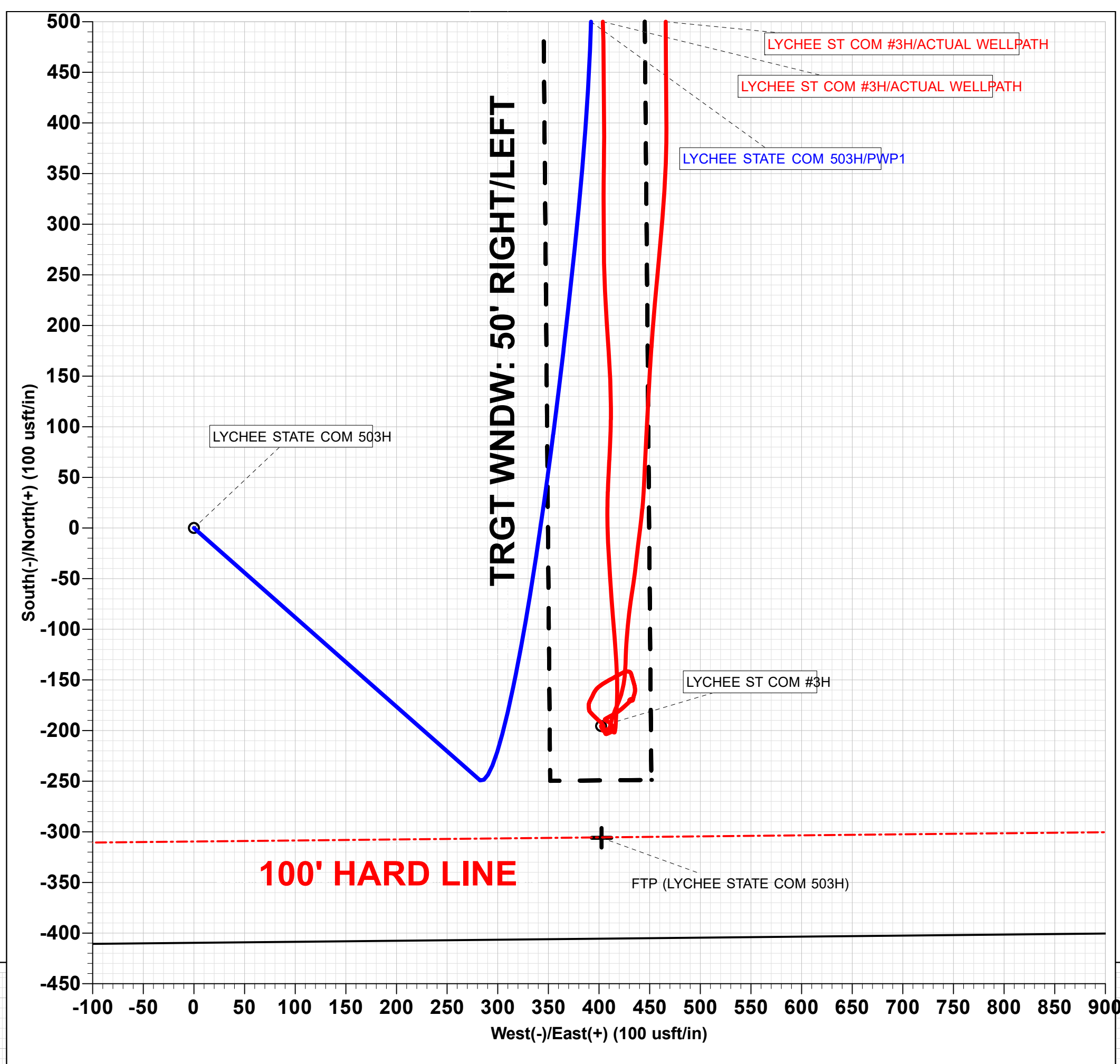
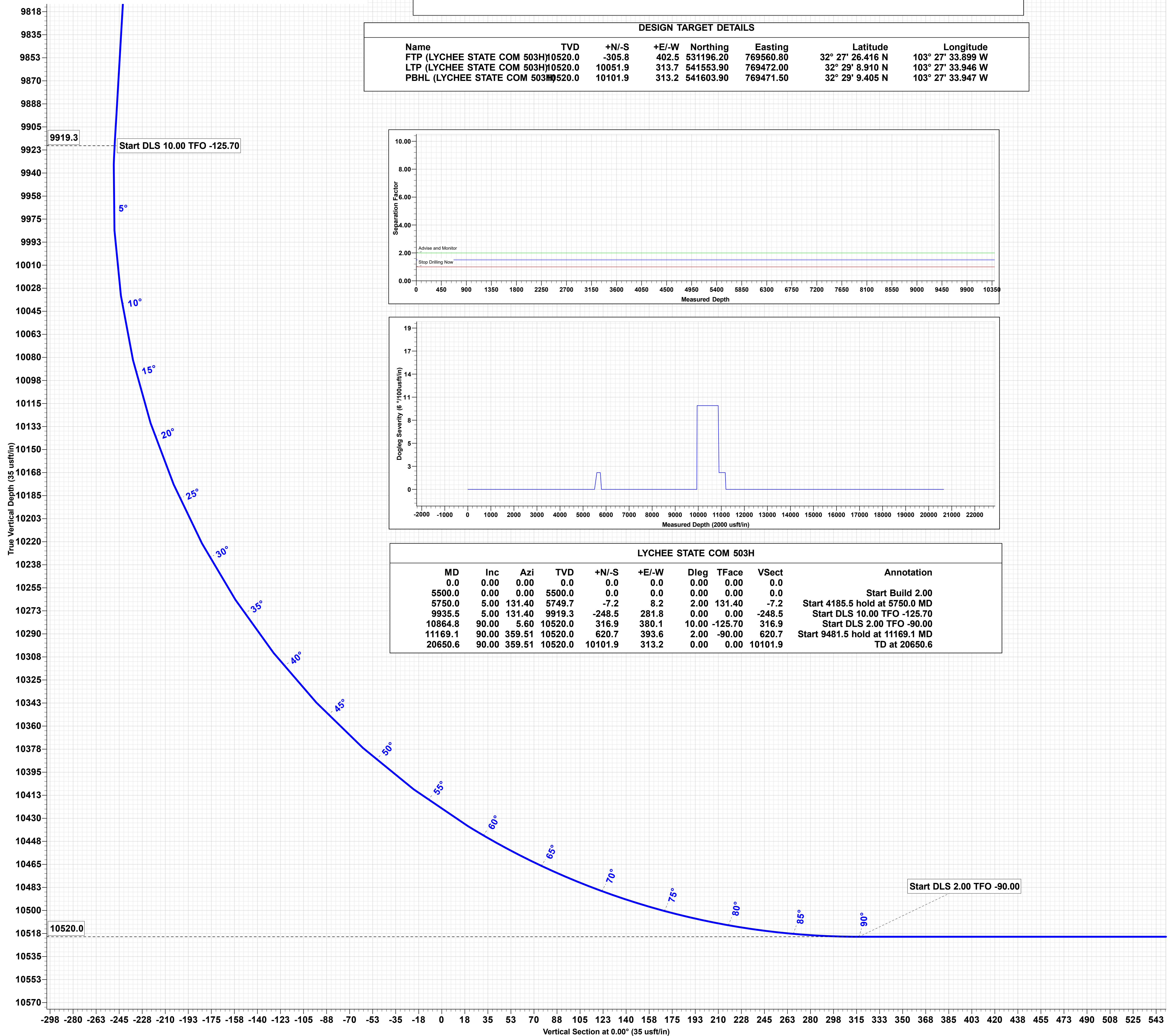
Project: LEA COUNTY, NM
Site: ZEUS
Well: LYCHEE STATE COM 503H
Wellbore: OWB
Design: PWP1
GL: 3713.0
KB=25' @ 3738.0usft (Lattshaw 44)

WELL DETAILS: LYCHEE STATE COM 503H					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.0	0.0	531502.00	769158.30	32° 27' 29.474 N	103° 27' 38.567 W

DESIGN TARGET DETAILS					
Name	TVD	+N/-S	+E/-W	Northing	Easting
FTP (LYCHEE STATE COM 503H)	10520.0	-305.8	402.5	531196.20	769560.80
LTP (LYCHEE STATE COM 503H)	10520.0	10051.9	313.7	541553.90	769472.00
PBHL (LYCHEE STATE COM 503H)	10520.0	10101.9	313.2	541603.90	769471.50



LYCHEE STATE COM 503H										
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		
5500.0	0.00	0.00	5500.0	0.0	0.0	0.00	0.00	0.0	Start Build 2.00	
5750.0	5.00	131.40	5749.7	-7.2	8.2	2.00	131.40	-7.2	Start 4185.5 hold at 5750.0 MD	
9935.5	5.00	131.40	9919.3	-248.5	281.8	0.00	0.00	-248.5	Start DLS 10.00 TFO -125.70	
10864.8	90.00	5.60	10520.0	316.9	380.1	10.00	-125.70	316.9	Start DLS 2.00 TFO -90.00	
11169.1	90.00	359.51	10520.0	620.7	393.6	2.00	-90.00	620.7	Start 9481.5 hold at 11169.1 MD	
20650.6	90.00	359.51	10520.0	10101.9	313.2	0.00	0.00	10101.9	TD at 20650.6	



TRGT WNDW: 10' ABOVE/BELOW

Intent ☒ As Drilled ☐

API #			
Operator Name: COG Operating LLC		Property Name: Lychee State Com	Well Number 503H

Kick Off Point (KOP)

UL N	Section 22	Township 21S	Range 34E	Lot	Feet 410	From N/S FSL	Feet 1580	From E/W FWL	County Lea
Latitude 32.4583113					Longitude -103.4611952				NAD 83

First Take Point (FTP)

UL N	Section 22	Township 21S	Range 34E	Lot	Feet 100	From N/S FSL	Feet 1980	From E/W FWL	County Lea
Latitude 32.4574617					Longitude -103.4598984				NAD 83

Last Take Point (LTP)

UL C	Section 15	Township 21S	Range 34E	Lot	Feet 100	From N/S FNL	Feet 1980	From E/W FWL	County Lea
Latitude 32.4859324					Longitude -103.4599124				NAD 83

Is this well the defining well for the Horizontal Spacing Unit? ☐ Y

Is this well an infill well? ☐ N

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

API #			
Operator Name:		Property Name:	Well Number

KZ 06/29/2018