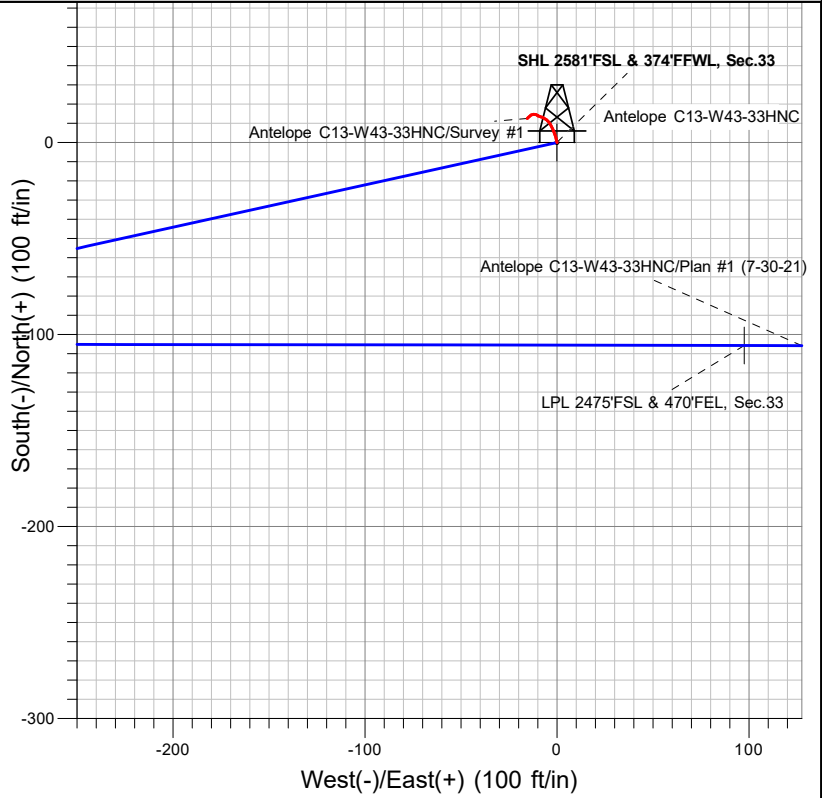


BONANZA CREEK ENERGY OPERATING

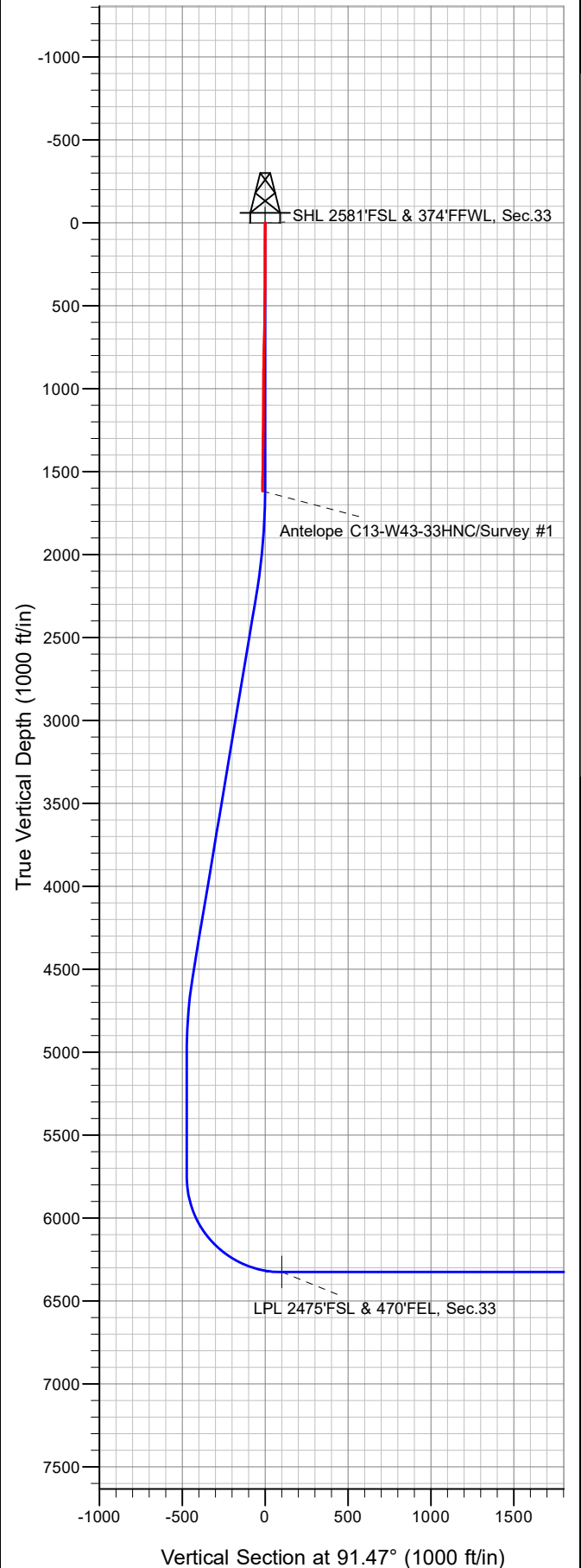


LEGEND

- ▲ Antelope C13-W43-33HNC, Antelope C13-W43-33HNC Wellbore #1, Plan #1 (7-30-21) VO
- Antelope C13-W43-33HNC Wellbore #1
- Survey #1

Final Survey Plot

Project: SEC.33-T5N-R62W
 Site: Antelope C-33 Pad Sec.33-T5N-R62W
 Well: Antelope C13-W43-33HNC
 Plan: Antelope C13-W43-33HNC Wellbore #1





BONANZA CREEK ENERGY OPERATING

SEC.33-T5N-R62W

Antelope C-33 Pad Sec.33-T5N-R62W

Antelope C13-W43-33HNC

Antelope C13-W43-33HNC Wellbore #1

Survey: Survey #1

Standard Survey Report

19 August, 2021

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well Antelope C13-W43-33HNC
Project:	SEC.33-T5N-R62W	TVD Reference:	WELL @ 4591.0ft (Ensign 122 RKB - 13')
Site:	Antelope C-33 Pad Sec.33-T5N-R62W	MD Reference:	WELL @ 4591.0ft (Ensign 122 RKB - 13')
Well:	Antelope C13-W43-33HNC	North Reference:	True
Wellbore:	Antelope C13-W43-33HNC Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Antelope C13-W43-33HNC Wellbore #1	Database:	US_EDM

Project	SEC.33-T5N-R62W, Weld County, Colorado		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Colorado Northern Zone		Using geodetic scale factor

Site	Antelope C-33 Pad Sec.33-T5N-R62W				
Site Position:		Northing:	1,374,665.01 usft	Latitude:	40.356021
From:	Lat/Long	Easting:	3,324,145.69 usft	Longitude:	-104.336866
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.75 °

Well	Antelope C13-W43-33HNC					
Well Position	+N/-S	0.0 ft	Northing:	1,374,664.33 usft	Latitude:	40.356020
	+E/-W	0.0 ft	Easting:	3,324,125.11 usft	Longitude:	-104.336940
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	4,578.0 ft

Wellbore	Antelope C13-W43-33HNC Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HRGM	08/04/2021	7.79	66.80	51,911.50129829

Design	Antelope C13-W43-33HNC Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.0	0.0	0.0	91.47	

Survey Program	Date	08/19/2021			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
148.0	1,617.0	Survey #1 (Antelope C13-W43-33HNC Wel	MWD	MWD - Standard	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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	
148.0	0.60	351.30	148.0	0.8	-0.1	-0.1	0.41	0.41	0.00	
239.0	0.70	343.20	239.0	1.8	-0.3	-0.4	0.15	0.11	-8.90	
330.0	0.80	344.80	330.0	2.9	-0.7	-0.8	0.11	0.11	1.76	
449.0	1.10	339.70	449.0	4.8	-1.3	-1.4	0.26	0.25	-4.29	
539.0	1.60	337.90	538.9	6.8	-2.1	-2.2	0.56	0.56	-2.00	
628.0	2.40	330.00	627.9	9.5	-3.5	-3.7	0.95	0.90	-8.88	
717.0	1.70	308.60	716.8	12.0	-5.4	-5.7	1.15	-0.79	-24.04	
806.0	1.50	288.30	805.8	13.2	-7.6	-7.9	0.67	-0.22	-22.81	
896.0	0.50	294.80	895.8	13.7	-9.0	-9.4	1.12	-1.11	7.22	

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well Antelope C13-W43-33HNC
Project:	SEC.33-T5N-R62W	TVD Reference:	WELL @ 4591.0ft (Ensign 122 RKB - 13')
Site:	Antelope C-33 Pad Sec.33-T5N-R62W	MD Reference:	WELL @ 4591.0ft (Ensign 122 RKB - 13')
Well:	Antelope C13-W43-33HNC	North Reference:	True
Wellbore:	Antelope C13-W43-33HNC Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Antelope C13-W43-33HNC Wellbore #1	Database:	US_EDM

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
985.0	0.20	256.30	984.8	13.8	-9.5	-9.9	0.41	-0.34	-43.26	
1,075.0	0.20	315.90	1,074.8	13.9	-9.8	-10.2	0.22	0.00	66.22	
1,165.0	0.40	297.80	1,164.8	14.1	-10.2	-10.6	0.24	0.22	-20.11	
1,254.0	0.60	299.20	1,253.8	14.5	-10.9	-11.2	0.23	0.22	1.57	
1,344.0	1.10	272.30	1,343.8	14.8	-12.1	-12.5	0.70	0.56	-29.89	
1,433.0	0.80	231.90	1,432.8	14.4	-13.5	-13.9	0.80	-0.34	-45.39	
1,522.0	0.80	219.80	1,521.7	13.6	-14.4	-14.7	0.19	0.00	-13.60	
1,557.0	0.90	228.00	1,556.7	13.2	-14.7	-15.1	0.45	0.29	23.43	
1,617.0	0.90	228.00	1,616.7	12.6	-15.4	-15.8	0.00	0.00	0.00	

Checked By: _____ Approved By: _____ Date: _____