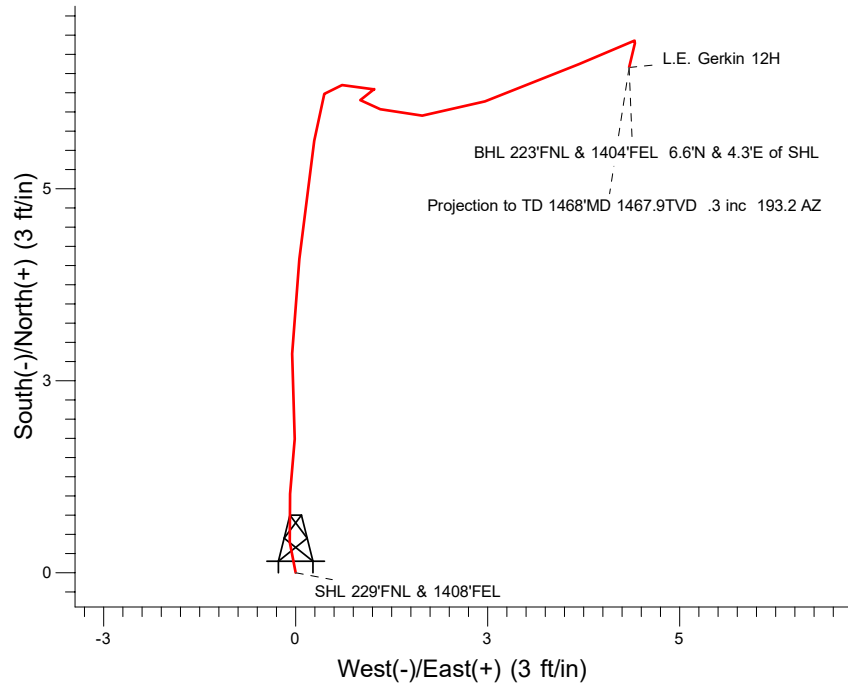


PETRO OPERATING COMPANY LLC



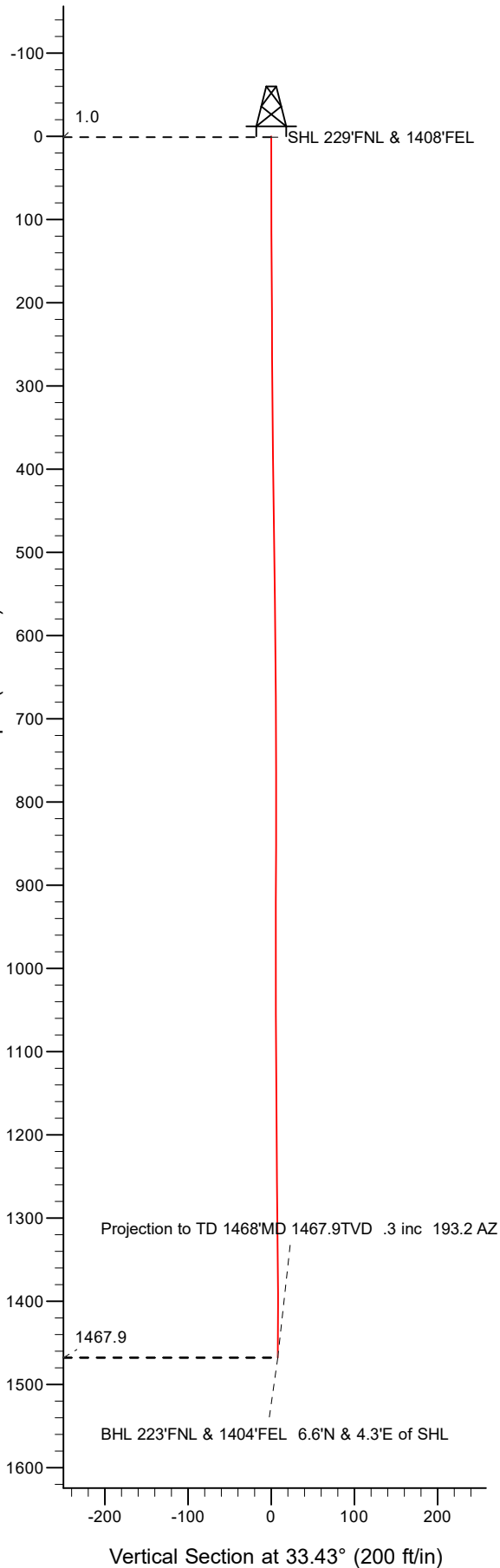
LEGEND

- L.E. Gerkin 12H Wellbore #1
- Survey #1

Final Survey

Surface Hole

Projection to TD
 1468' MD 1467.9' TVD .3 INC 193.2 AZ
 6.6'N & 4.3 E of SHL
 223FNL & 1404'FEL Sec.13





PETRO OPERATING COMPANY LLC

SEC.13-T2N-R64W

L.E. Gerkin 9H Pad Sec.13-T2N-R64W

L.E. Gerkin 12H

L.E. Gerkin 12H Wellbore #1

Survey: Survey #1

Standard Survey Report

15 March, 2022

Company:	PETRO OPERATING COMPANY LLC	Local Co-ordinate Reference:	Well L.E. Gerkin 12H
Project:	SEC.13-T2N-R64W	TVD Reference:	RKB @ 4883.0ft (E122)
Site:	L.E. Gerkin 9H Pad Sec.13-T2N-R64W	MD Reference:	RKB @ 4883.0ft (E122)
Well:	L.E. Gerkin 12H	North Reference:	True
Wellbore:	L.E. Gerkin 12H Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	L.E. Gerkin 12H Wellbore #1	Database:	US_EDM

Project	SEC.13-T2N-R64W, Weld County, CO		
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	L.E. Gerkin 9H Pad Sec.13-T2N-R64W				
Site Position:		Northing:	1,297,234.77 usft	Latitude:	40.144940
From:	Lat/Long	Easting:	3,280,734.71 usft	Longitude:	-104.495770
Position Uncertainty:	0.0 ft	Slot Radius:	13-3/16 "	Grid Convergence:	0.65 °

Well	L.E. Gerkin 12H				
Well Position	+N/-S	0.0 ft	Northing:	1,297,246.71 usft	Latitude: 40.144970
	+E/-W	0.0 ft	Easting:	3,280,824.04 usft	Longitude: -104.495450
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level: 4,870.0 ft

Wellbore	L.E. Gerkin 12H Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/31/2020	7.95	66.50	51,915.70000000

Design	L.E. Gerkin 12H 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	33.43	

Survey Program		Date	03/15/2022	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
116.0	1,468.0	Survey #1 (L.E. Gerkin 12H Wellbore #1)	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
	SHL 229'FNL, 1408'FEL, Sec.13									
	1.0	0.00	349.10	1.0	0.0	0.0	0.0	0.00	0.00	0.00
	SHL 229'FNL & 1408'FEL									
	116.0	0.40	349.10	116.0	0.4	-0.1	0.3	0.35	0.35	0.00
	208.0	0.40	11.60	208.0	1.0	-0.1	0.8	0.17	0.00	24.46
	300.0	0.50	359.50	300.0	1.7	0.0	1.4	0.15	0.11	-13.15
	406.0	0.70	357.50	406.0	2.9	0.0	2.4	0.19	0.19	-1.89
495.0	0.90	9.50	495.0	4.1	0.0	3.4	0.29	0.22	13.48	
584.0	1.10	5.30	584.0	5.6	0.2	4.8	0.24	0.22	-4.72	

Company:	PETRO OPERATING COMPANY LLC	Local Co-ordinate Reference:	Well L.E. Gerkin 12H
Project:	SEC.13-T2N-R64W	TVD Reference:	RKB @ 4883.0ft (E122)
Site:	L.E. Gerkin 9H Pad Sec.13-T2N-R64W	MD Reference:	RKB @ 4883.0ft (E122)
Well:	L.E. Gerkin 12H	North Reference:	True
Wellbore:	L.E. Gerkin 12H Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	L.E. Gerkin 12H 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)
674.0	0.40	115.50	674.0	6.4	0.6	5.6	1.44	-0.78	122.44
764.0	0.20	58.90	764.0	6.3	1.0	5.8	0.37	-0.22	-62.89
854.0	0.20	239.95	854.0	6.3	1.0	5.8	0.44	0.00	-198.83
943.0	0.10	214.80	943.0	6.2	0.8	5.6	0.13	-0.11	-28.26
1,032.0	0.40	100.60	1,032.0	6.0	1.1	5.6	0.51	0.34	-128.31
1,122.0	0.30	95.80	1,122.0	6.0	1.6	5.9	0.12	-0.11	-5.33
1,211.0	0.80	70.50	1,211.0	6.1	2.5	6.5	0.61	0.56	-28.43
1,300.0	0.90	66.50	1,299.9	6.6	3.7	7.6	0.13	0.11	-4.49
1,390.0	0.10	70.70	1,389.9	6.9	4.4	8.2	0.89	-0.89	4.67
1,406.0	0.30	193.20	1,405.9	6.9	4.4	8.2	2.27	1.25	765.63
1,468.0	0.30	193.20	1,467.9	6.6	4.3	7.9	0.00	0.00	0.00
Projection to TD 1468'MD 1467.9TVD .3 inc 193.2 AZ - BHL 223'FNL & 1404'FEL 6.6'N & 4.3'E of SHL - LPL 623'FNL, 1560'FEL, Sec.13 - I									

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
1.0	1.0	0.0	0.0	SHL 229'FNL & 1408'FEL
1,468.0	1,467.9	6.6	4.3	Projection to TD 1468'MD 1467.9TVD .3 inc 193.2 AZ
1,468.0	1,467.9	6.6	4.3	BHL 223'FNL & 1404'FEL 6.6'N & 4.3'E of SHL

Checked By: _____ Approved By: _____ Date: _____