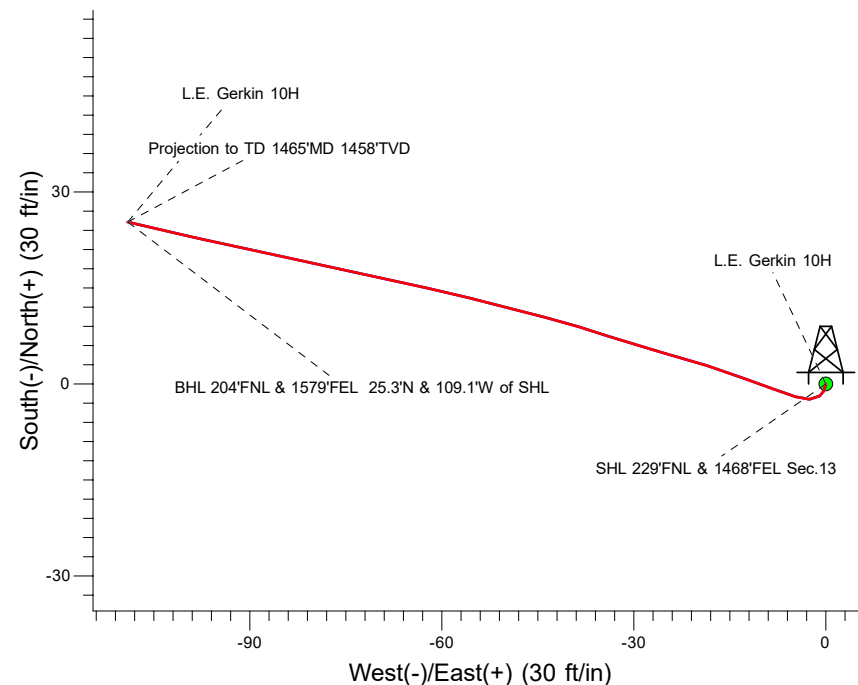


PETRO OPERATING COMPANY LLC



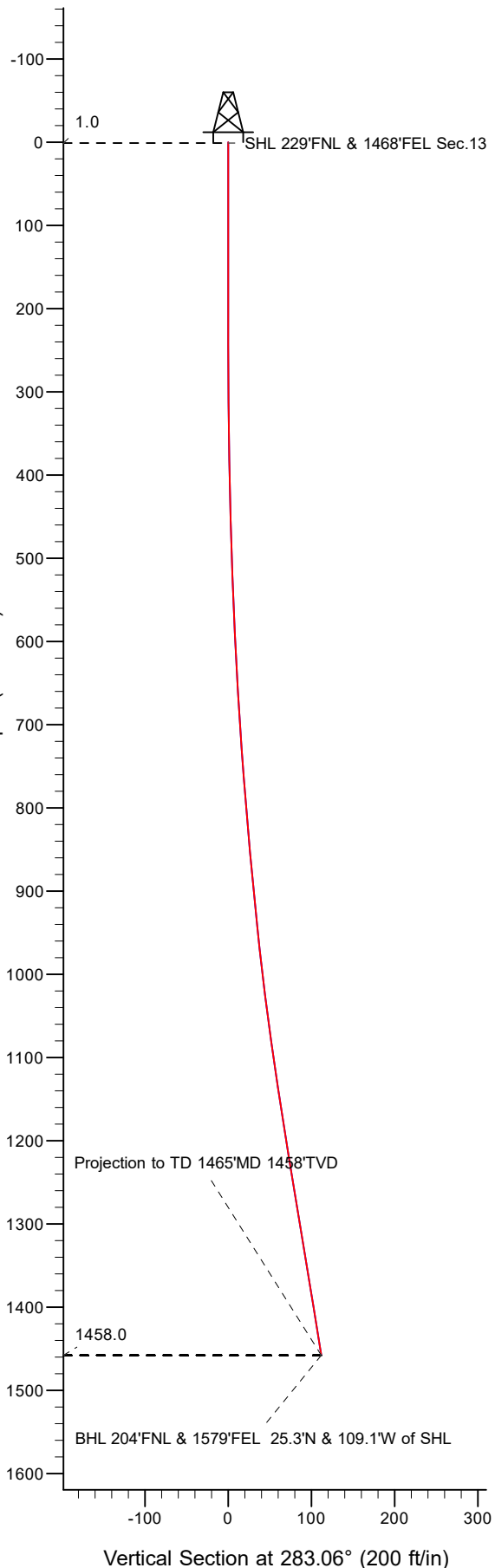
LEGEND

- L.E. Gerkin 10H Wellbore #1
- Survey #1

Final Survey

Surface Hole

Projection to TD
1465' MD 1458.' TVD 9.2 INC 283 AZ
25.3N & 109.1 W of SHL
204'FNL & 1579'FEL Sec.13





PETRO OPERATING COMPANY LLC

SEC.13-T2N-R64W

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

L.E. Gerkin 10H

L.E. Gerkin 10H Wellbore #1

Survey: Survey #1

Standard Survey Report

15 March, 2022

Company:	PETRO OPERATING COMPANY LLC	Local Co-ordinate Reference:	Well L.E. Gerkin 10H
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 10H	North Reference:	True
Wellbore:	L.E. Gerkin 10H Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	L.E. Gerkin 10H 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 10H				
Well Position	+N/-S	0.0 ft	Northing:	1,297,246.01 usft	Latitude: 40.144970
	+E/-W	0.0 ft	Easting:	3,280,762.54 usft	Longitude: -104.495670
Position Uncertainty		0.0 ft	Wellhead Elevation:	0.0 ft	Ground Level: 4,870.0 ft

Wellbore	L.E. Gerkin 10H Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM_FILE	12/31/2020	7.95	66.50	51,915.50000000

Design	L.E. Gerkin 10H 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	283.06	

Survey Program		Date	03/15/2022	
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
116.0	1,465.0	Survey #1 (L.E. Gerkin 10H 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, 1468'FEL, Sec.13									
	1.0	0.00	194.40	1.0	0.0	0.0	0.0	0.00	0.00	0.00
	SHL 229'FNL & 1468'FEL Sec.13									
	116.0	0.40	194.40	116.0	-0.4	-0.1	0.0	0.35	0.35	0.00
	208.0	0.50	198.60	208.0	-1.1	-0.3	0.1	0.11	0.11	4.57
	300.0	0.80	232.70	300.0	-1.9	-0.9	0.5	0.52	0.33	37.07
	406.0	1.10	265.40	406.0	-2.4	-2.6	1.9	0.57	0.28	30.85
495.0	1.80	289.70	494.9	-2.0	-4.7	4.1	1.03	0.79	27.30	
584.0	2.80	289.20	583.9	-0.8	-8.1	7.7	1.12	1.12	-0.56	

Company:	PETRO OPERATING COMPANY LLC	Local Co-ordinate Reference:	Well L.E. Gerkin 10H
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 10H	North Reference:	True
Wellbore:	L.E. Gerkin 10H Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	L.E. Gerkin 10H 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	3.50	290.40	673.7	0.9	-12.7	12.6	0.78	0.78	1.33	
764.0	4.40	287.80	763.5	2.9	-18.6	18.8	1.02	1.00	-2.89	
854.0	5.20	284.80	853.2	5.0	-25.8	26.3	0.93	0.89	-3.33	
943.0	5.80	288.80	941.8	7.5	-34.0	34.8	0.80	0.67	4.49	
1,032.0	7.50	285.00	1,030.2	10.4	-43.9	45.1	1.97	1.91	-4.27	
1,122.0	8.20	283.70	1,119.4	13.5	-55.8	57.4	0.80	0.78	-1.44	
1,211.0	9.40	282.00	1,207.3	16.5	-69.0	71.0	1.38	1.35	-1.91	
1,300.0	9.30	282.30	1,295.1	19.5	-83.2	85.4	0.12	-0.11	0.34	
1,390.0	9.30	282.30	1,383.9	22.6	-97.4	100.0	0.00	0.00	0.00	
1,403.0	9.20	283.00	1,396.8	23.1	-99.4	102.1	1.16	-0.77	5.38	
1,465.0	9.20	283.00	1,458.0	25.3	-109.1	112.0	0.00	0.00	0.00	
Projection to TD 1465'MD 1458'TVD - BHL 204'FNL & 1579'FEL 25.3'N & 109.1'W of SHL - BHL 500'FSL, 2176'FEL, Sec.24 - LPL 623'FNL, 2										

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1.0	1.0	0.0	0.0	SHL 229'FNL & 1468'FEL Sec.13	
1,465.0	1,458.0	25.3	-109.1	Projection to TD 1465'MD 1458'TVD	
1,465.0	1,458.0	25.3	-109.1	BHL 204'FNL & 1579'FEL 25.3'N & 109.1'W of SHL	

Checked By: _____	Approved By: _____	Date: _____
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