

BONANZA CREEK ENERGY

WELD COUNTY

SEC 2-T5N-R62W

STATE ANTELOPE X-D-3HN

OWB

Design: FINAL SURVEY

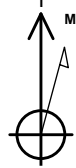
Standard Survey Report

03 November, 2022

Project: WELD COUNTY
Site: SEC 2-T5N-R62W
Well: STATE ANTELOPE X-D-3HN
Wellbore: OWB
Design: FINAL SURVEY

PROJECT DETAILS: WELD COUNTY

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level



Azimuths to True North
Magnetic North: 7.52°
Magnetic Field
Strength: 51932.0nT
Dip Angle: 66.71°
Date: 4/13/2022
Model: IGRF2020

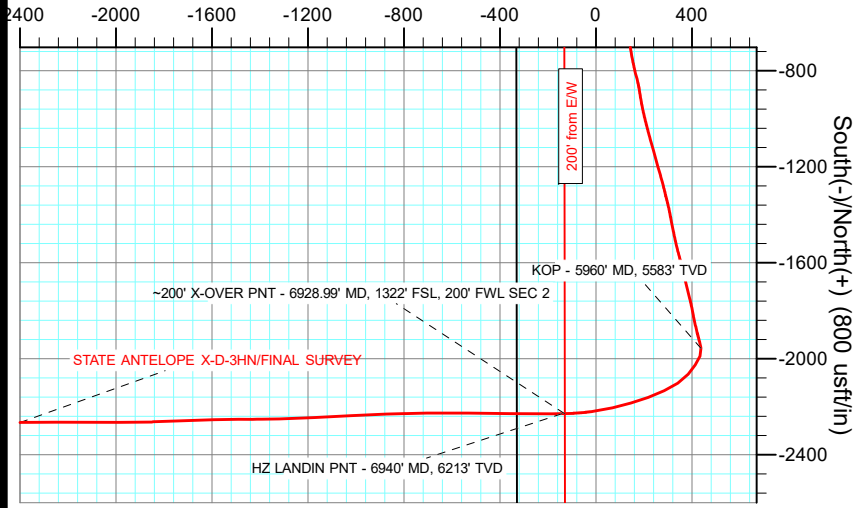
WELL DETAILS: STATE ANTELOPE X-D-3HN

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	1402387.87	3334368.65	40.431740°N	104.298840°W	

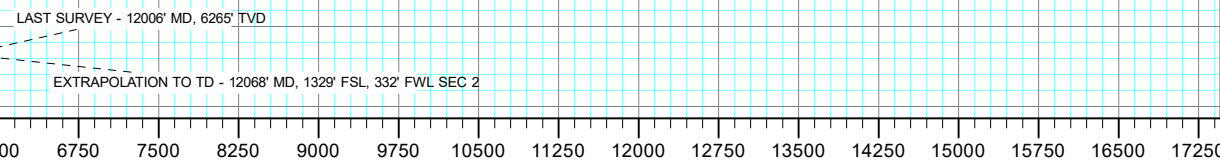
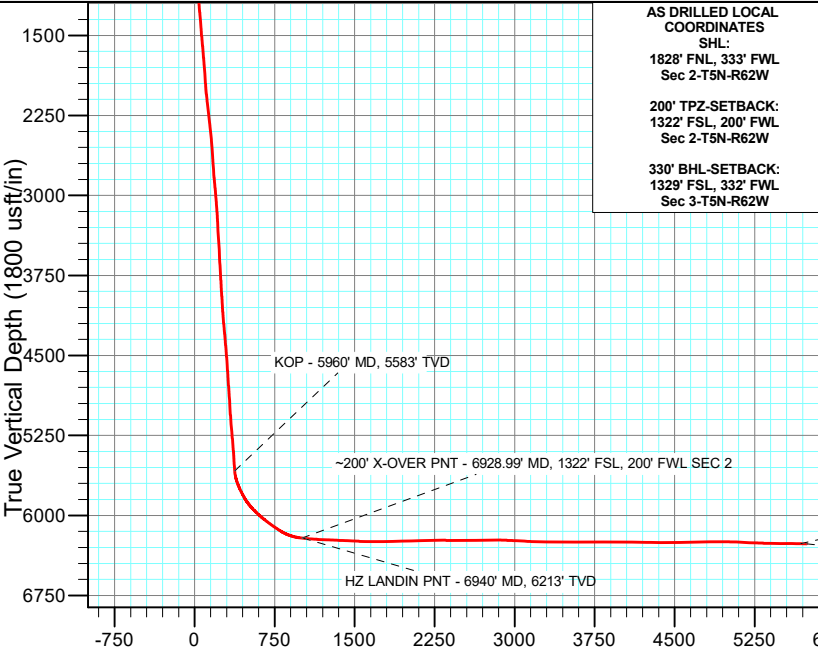
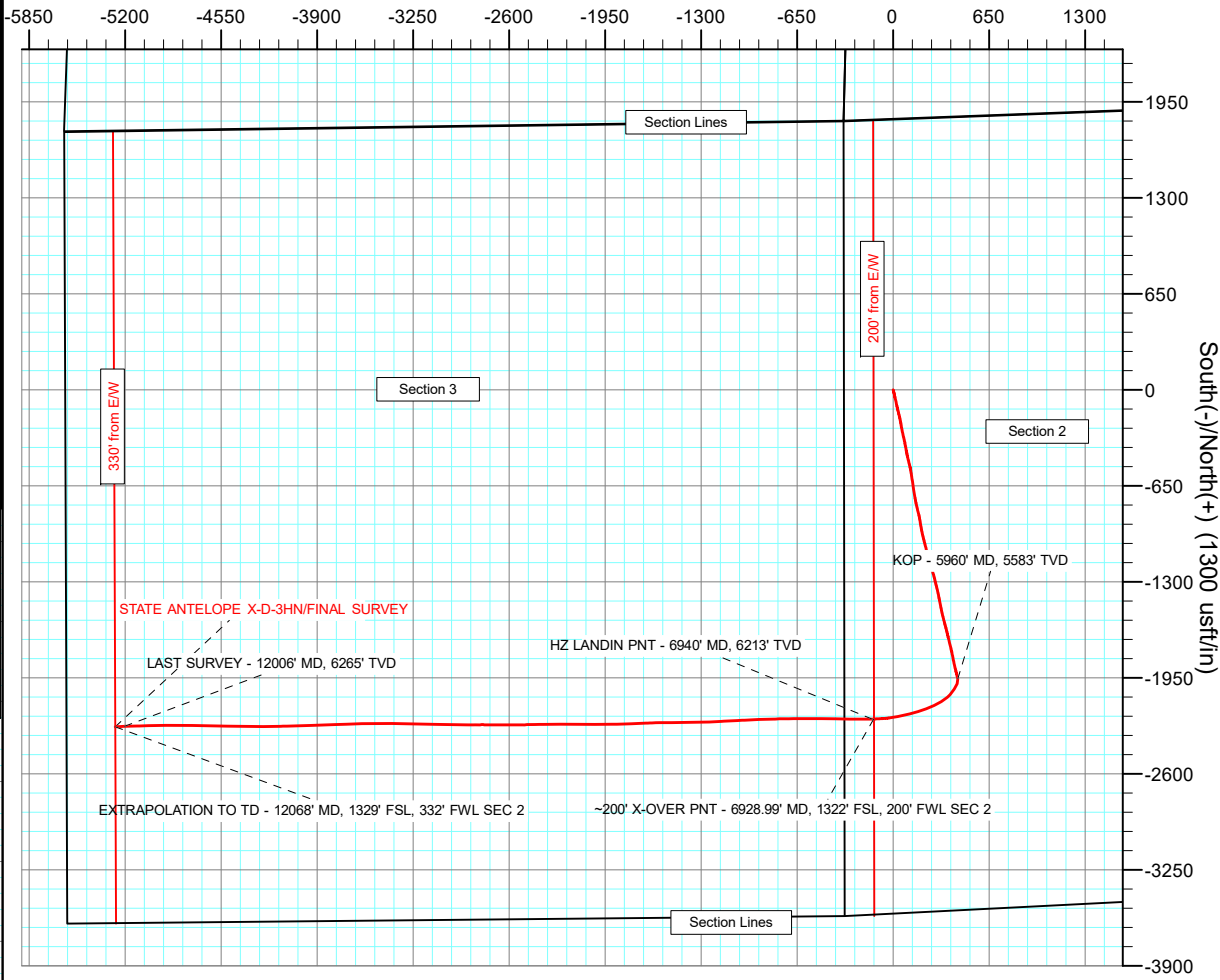
ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
5960.00	19.79	169.80	5582.91	-1956.19	437.90	375.57	2006.16	KOP - 5960' MD, 5583' TVD
6928.99	83.75	268.47	6211.72	-2228.56	-130.86	1005.73	2682.96	~200' X-OVER PNT - 6928.99' MD, 1322' FSL, 200' FWL SEC 2
6940.00	84.03	268.79	6212.89	-2228.82	-141.80	1015.88	2693.91	HZ LANDIN PNT - 6940' MD, 6213' TVD
12006.00	88.68	268.14	6264.84	-2278.76	-5204.49	5681.45	7758.00	LAST SURVEY - 12006' MD, 6265' TVD
12068.00	88.68	268.14	6266.27	-2280.77	-5266.44	5739.10	7819.98	EXTRAPOLATION TO TD - 12068' MD, 1329' FSL, 332' FWL SEC 2

West(-)/East(+) (800 usft/in)



West(-)/East(+) (1300 usft/in)



AS DRILLED LOCAL
COORDINATES
SHL:
1828' FNL, 333' FWL
Sec 2-T5N-R62W
200' TPZ-SETBACK:
1322' FSL, 200' FWL
Sec 2-T5N-R62W
330' BHL-SETBACK:
1329' FSL, 332' FWL
Sec 3-T5N-R62W

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE ANTELOPE X-D-3HN
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4672.00usft
Site:	SEC 2-T5N-R62W	MD Reference:	KB 25' @ 4672.00usft
Well:	STATE ANTELOPE X-D-3HN	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Project	WELD COUNTY		
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		SEC 2-T5N-R62W			
Site Position:		Northing:	1,404,201.39 usft	Latitude:	40.436731°N
From:	Lat/Long	Easting:	3,334,009.19 usft	Longitude:	104.300043°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.78 °

Well	STATE ANTELOPE X-D-3HN					
Well Position	+N/-S	0.00 usft	Northing:	1,402,387.87 usft	Latitude:	40.431740°N
	+E/-W	0.00 usft	Easting:	3,334,368.65 usft	Longitude:	104.298840°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,647.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	4/13/2022	7.52	66.71	51,931.97757364

Design	FINAL SURVEY				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	246.58	

Survey Program	Date	11/3/2022			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
210.00	1,616.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	
1,767.00	12,068.00	FINAL SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
210.00	2.06	161.81	209.95	-3.59	1.18	0.34	0.98	0.98	0.00	
302.00	4.60	159.60	301.79	-8.62	2.98	0.69	2.76	2.76	-2.40	
376.00	6.40	168.40	375.45	-15.44	4.84	1.69	2.68	2.43	11.89	
463.00	9.10	167.00	461.65	-26.89	7.37	3.93	3.11	3.10	-1.61	
550.00	11.00	168.20	547.31	-41.72	10.61	6.84	2.20	2.18	1.38	
637.00	13.00	167.30	632.40	-59.40	14.46	10.33	2.31	2.30	-1.03	
725.00	14.63	167.40	717.85	-79.90	19.06	14.26	1.85	1.85	0.11	
812.00	13.30	167.50	802.28	-100.39	23.63	18.22	1.53	-1.53	0.11	
899.00	15.20	166.80	886.60	-121.27	28.40	22.14	2.19	2.18	-0.80	

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE ANTELOPE X-D-3HN
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4672.00usft
Site:	SEC 2-T5N-R62W	MD Reference:	KB 25' @ 4672.00usft
Well:	STATE ANTELOPE X-D-3HN	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
986.00	17.50	165.70	970.08	-145.05	34.23	26.23	2.67	2.64	-1.26
1,074.00	19.50	166.30	1,053.52	-172.14	40.98	30.81	2.28	2.27	0.68
1,161.00	17.53	168.30	1,136.02	-199.08	47.08	35.92	2.38	-2.26	2.30
1,248.00	19.50	170.00	1,218.51	-226.22	52.26	41.95	2.35	2.26	1.95
1,335.00	21.80	170.70	1,299.92	-256.46	57.39	49.26	2.66	2.64	0.80
1,423.00	22.10	167.00	1,381.54	-288.72	63.75	56.24	1.61	0.34	-4.20
1,510.00	23.00	166.60	1,461.89	-321.20	71.37	62.15	1.05	1.03	-0.46
1,597.00	24.50	169.10	1,541.52	-355.45	78.72	69.02	2.08	1.72	2.87
1,616.00	23.50	168.80	1,558.88	-363.04	80.21	70.67	5.30	-5.26	-1.58
1,767.00	19.81	169.56	1,699.20	-417.75	90.69	82.79	2.45	-2.44	0.50
1,861.00	22.96	167.90	1,786.72	-451.35	97.42	89.97	3.41	3.35	-1.77
1,955.00	22.37	166.12	1,873.46	-486.64	105.56	96.53	0.96	-0.63	-1.89
2,050.00	21.16	165.52	1,961.68	-520.80	114.18	102.19	1.30	-1.27	-0.63
2,146.00	24.23	171.65	2,050.25	-557.08	121.38	110.01	4.03	3.20	6.39
2,241.00	22.93	171.44	2,137.32	-594.67	126.96	119.82	1.37	-1.37	-0.22
2,429.00	24.60	171.33	2,309.37	-669.57	138.31	139.17	0.89	0.89	-0.06
2,524.00	23.43	170.68	2,396.15	-707.76	144.35	148.80	1.26	-1.23	-0.68
2,619.00	21.89	169.29	2,483.81	-743.80	150.70	157.30	1.72	-1.62	-1.46
2,714.00	20.80	167.34	2,572.29	-777.66	157.69	164.34	1.37	-1.15	-2.05
2,809.00	21.73	166.54	2,660.82	-811.22	165.48	170.53	1.03	0.98	-0.84
2,904.00	20.85	165.47	2,749.34	-844.69	173.82	176.18	1.01	-0.93	-1.13
2,998.00	20.09	171.17	2,837.41	-876.84	180.49	182.83	2.27	-0.81	6.06
3,117.00	22.04	170.16	2,948.46	-919.04	187.45	193.22	1.67	1.64	-0.85
3,212.00	20.43	168.90	3,037.00	-952.87	193.69	200.95	1.76	-1.69	-1.33
3,306.00	21.59	166.67	3,124.75	-985.80	200.83	207.47	1.50	1.23	-2.37
3,401.00	20.07	165.62	3,213.54	-1,018.60	208.91	213.10	1.65	-1.60	-1.11
3,496.00	21.94	165.49	3,302.23	-1,051.58	217.41	218.40	1.97	1.97	-0.14
3,591.00	21.94	164.57	3,390.35	-1,085.87	226.58	223.62	0.36	0.00	-0.97
3,686.00	22.07	163.91	3,478.43	-1,120.12	236.24	228.36	0.29	0.14	-0.69
3,781.00	22.38	164.49	3,566.37	-1,154.70	246.03	233.12	0.40	0.33	0.61
3,876.00	22.11	164.19	3,654.30	-1,189.33	255.73	237.98	0.31	-0.28	-0.32
3,970.00	22.38	163.93	3,741.30	-1,223.54	265.51	242.61	0.31	0.29	-0.28
4,065.00	21.03	164.57	3,829.56	-1,257.35	275.05	247.29	1.44	-1.42	0.67
4,159.00	22.06	166.45	3,917.00	-1,290.78	283.67	252.66	1.32	1.10	2.00
4,254.00	20.04	165.64	4,005.65	-1,323.89	291.89	258.28	2.15	-2.13	-0.85
4,349.00	21.81	166.36	4,094.38	-1,356.81	300.09	263.83	1.88	1.86	0.76
4,444.00	22.39	169.08	4,182.40	-1,391.73	307.68	270.75	1.24	0.61	2.86
4,538.00	24.40	168.80	4,268.67	-1,428.36	314.84	278.73	2.14	2.14	-0.30
4,632.00	21.65	168.80	4,355.18	-1,464.42	321.98	286.51	2.93	-2.93	0.00
4,727.00	22.84	168.10	4,443.10	-1,499.65	329.19	293.90	1.28	1.25	-0.74
4,822.00	24.02	166.02	4,530.27	-1,536.46	337.66	300.75	1.52	1.24	-2.19
4,916.00	24.21	165.00	4,616.07	-1,573.64	347.27	306.71	0.49	0.20	-1.09
5,009.00	21.77	164.71	4,701.67	-1,608.70	356.76	311.94	2.63	-2.62	-0.31

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE ANTELOPE X-D-3HN
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4672.00usft
Site:	SEC 2-T5N-R62W	MD Reference:	KB 25' @ 4672.00usft
Well:	STATE ANTELOPE X-D-3HN	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,104.00	23.91	167.12	4,789.22	-1,644.47	365.70	317.95	2.46	2.25	2.54
5,199.00	20.89	166.21	4,877.04	-1,679.69	374.03	324.30	3.20	-3.18	-0.96
5,294.00	20.73	166.35	4,965.85	-1,712.48	382.03	329.99	0.18	-0.17	0.15
5,389.00	20.82	165.93	5,054.67	-1,745.19	390.10	335.58	0.18	0.09	-0.44
5,484.00	22.14	168.06	5,143.07	-1,779.09	397.91	341.88	1.61	1.39	2.24
5,578.00	22.89	169.14	5,229.91	-1,814.37	405.02	349.38	0.91	0.80	1.15
5,768.00	24.34	165.99	5,404.00	-1,888.66	421.46	363.82	1.01	0.76	-1.66
5,863.00	20.45	165.14	5,491.82	-1,923.71	430.46	369.49	4.11	-4.09	-0.89
5,958.00	19.77	169.04	5,581.03	-1,955.52	437.77	375.42	1.58	-0.72	4.11
5,960.00	19.79	169.80	5,582.91	-1,956.19	437.90	375.57	12.97	0.94	38.24
KOP - 5960' MD, 5583' TVD									
6,053.00	23.85	200.83	5,669.51	-1,989.38	433.98	392.35	12.97	4.37	33.36
6,147.00	28.63	214.79	5,753.88	-2,025.69	414.35	424.81	8.27	5.09	14.85
6,243.00	33.12	220.23	5,836.27	-2,064.63	384.26	467.89	5.50	4.68	5.67
6,338.00	41.05	236.63	5,912.19	-2,101.75	341.28	522.09	13.28	8.35	17.26
6,432.00	46.80	244.39	5,979.91	-2,133.59	284.52	586.83	8.37	6.12	8.26
6,527.00	51.82	250.46	6,041.86	-2,161.08	218.02	658.76	7.16	5.28	6.39
6,621.00	54.69	253.61	6,098.10	-2,184.26	146.39	733.72	4.07	3.05	3.35
6,716.00	59.61	257.06	6,149.63	-2,204.39	69.20	812.54	6.01	5.18	3.63
6,811.00	71.83	262.13	6,188.64	-2,219.82	-15.81	896.68	13.75	12.86	5.34
6,905.00	83.15	267.77	6,208.98	-2,227.78	-107.04	983.56	13.39	12.04	6.00
6,928.99	83.75	268.47	6,211.72	-2,228.56	-130.86	1,005.73	3.83	2.52	2.90
~200' X-OVER PNT - 6928.99' MD, 1322' FSL, 200' FWL SEC 2									
6,940.00	84.03	268.79	6,212.89	-2,228.82	-141.80	1,015.88	3.83	2.52	2.90
HZ LANDIN PNT - 6940' MD, 6213' TVD									
6,999.00	85.52	270.49	6,218.26	-2,229.19	-200.55	1,069.94	3.83	2.52	2.89
7,094.00	87.48	270.51	6,224.06	-2,228.37	-295.37	1,156.61	2.06	2.06	0.02
7,189.00	87.55	270.62	6,228.18	-2,227.43	-390.27	1,243.33	0.14	0.07	0.12
7,284.00	87.70	270.19	6,232.12	-2,226.76	-485.19	1,330.16	0.48	0.16	-0.45
7,379.00	87.86	269.97	6,235.80	-2,226.63	-580.12	1,417.22	0.29	0.17	-0.23
7,473.00	87.19	269.89	6,239.86	-2,226.74	-674.03	1,503.45	0.72	-0.71	-0.09
7,568.00	88.23	268.81	6,243.65	-2,227.82	-768.94	1,590.97	1.58	1.09	-1.14
7,663.00	90.20	268.03	6,244.95	-2,230.44	-863.89	1,679.14	2.23	2.07	-0.82
7,758.00	90.38	267.41	6,244.47	-2,234.22	-958.82	1,767.75	0.68	0.19	-0.65
7,852.00	90.77	267.07	6,243.53	-2,238.74	-1,052.70	1,855.70	0.55	0.41	-0.36
7,946.00	91.48	267.07	6,241.68	-2,243.55	-1,146.56	1,943.74	0.76	0.76	0.00
8,041.00	92.19	267.43	6,238.64	-2,248.10	-1,241.40	2,032.58	0.84	0.75	0.38
8,136.00	91.19	269.21	6,235.84	-2,250.89	-1,336.32	2,120.78	2.15	-1.05	1.87
8,230.00	91.66	269.10	6,233.50	-2,252.27	-1,430.28	2,207.55	0.51	0.50	-0.12
8,325.00	89.70	270.08	6,232.37	-2,252.95	-1,525.26	2,294.99	2.31	-2.06	1.03
8,419.00	89.45	268.08	6,233.07	-2,254.46	-1,619.24	2,381.83	2.14	-0.27	-2.13
8,513.00	89.63	267.47	6,233.83	-2,258.11	-1,713.17	2,469.47	0.68	0.19	-0.65
8,607.00	90.12	267.83	6,234.03	-2,261.96	-1,807.09	2,557.18	0.65	0.52	0.38
8,702.00	90.59	269.77	6,233.44	-2,263.95	-1,902.06	2,645.13	2.10	0.49	2.04

Survey Report

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Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4672.00usft
Site:	SEC 2-T5N-R62W	MD Reference:	KB 25' @ 4672.00usft
Well:	STATE ANTELOPE X-D-3HN	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,796.00	91.79	269.37	6,231.49	-2,264.66	-1,996.04	2,731.64	1.35	1.28	-0.43
8,891.00	89.74	270.03	6,230.22	-2,265.16	-2,091.02	2,819.00	2.27	-2.16	0.69
8,986.00	88.20	271.29	6,231.93	-2,264.06	-2,185.99	2,905.72	2.09	-1.62	1.33
9,081.00	87.95	268.97	6,235.12	-2,263.85	-2,280.93	2,992.75	2.45	-0.26	-2.44
9,175.00	86.50	269.29	6,239.67	-2,265.27	-2,374.81	3,079.46	1.58	-1.54	0.34
9,269.00	87.68	268.73	6,244.44	-2,266.90	-2,468.67	3,166.24	1.39	1.26	-0.60
9,364.00	89.05	270.21	6,247.15	-2,267.77	-2,563.62	3,253.72	2.12	1.44	1.56
9,458.00	89.26	269.95	6,248.54	-2,267.64	-2,657.61	3,339.92	0.36	0.22	-0.28
9,553.00	89.98	270.46	6,249.17	-2,267.30	-2,752.61	3,426.96	0.93	0.76	0.54
9,648.00	89.38	268.91	6,249.70	-2,267.82	-2,847.60	3,514.33	1.75	-0.63	-1.63
9,743.00	90.29	270.53	6,249.98	-2,268.29	-2,942.60	3,601.69	1.96	0.96	1.71
9,838.00	91.76	271.46	6,248.28	-2,266.64	-3,037.57	3,688.18	1.83	1.55	0.98
9,933.00	88.51	271.85	6,248.05	-2,263.90	-3,132.51	3,774.22	3.45	-3.42	0.41
10,027.00	89.26	270.76	6,249.88	-2,261.76	-3,226.47	3,859.58	1.41	0.80	-1.16
10,122.00	89.98	270.84	6,250.51	-2,260.43	-3,321.46	3,946.22	0.76	0.76	0.08
10,216.00	90.45	270.87	6,250.16	-2,259.03	-3,415.44	4,031.91	0.50	0.50	0.03
10,311.00	89.39	269.13	6,250.29	-2,259.03	-3,510.44	4,119.08	2.14	-1.12	-1.83
10,406.00	89.65	268.68	6,251.09	-2,260.84	-3,605.42	4,206.96	0.55	0.27	-0.47
10,500.00	89.36	267.85	6,251.90	-2,263.69	-3,699.37	4,294.31	0.94	-0.31	-0.88
10,689.00	89.72	268.14	6,253.42	-2,270.30	-3,888.25	4,470.26	0.24	0.19	0.15
10,783.00	90.57	268.30	6,253.18	-2,273.22	-3,982.20	4,557.63	0.92	0.90	0.17
10,878.00	91.36	268.43	6,251.58	-2,275.93	-4,077.15	4,645.84	0.84	0.83	0.14
10,973.00	92.02	268.32	6,248.78	-2,278.62	-4,172.07	4,734.01	0.70	0.69	-0.12
11,067.00	91.07	270.00	6,246.24	-2,280.00	-4,266.02	4,820.77	2.05	-1.01	1.79
11,162.00	89.16	270.30	6,246.05	-2,279.75	-4,361.02	4,907.84	2.04	-2.01	0.32
11,256.00	89.72	270.26	6,246.97	-2,279.29	-4,455.01	4,993.91	0.60	0.60	-0.04
11,350.00	87.68	271.91	6,249.10	-2,277.51	-4,548.96	5,079.42	2.79	-2.17	1.76
11,445.00	87.77	271.68	6,252.87	-2,274.54	-4,643.84	5,165.30	0.26	0.09	-0.24
11,539.00	87.62	271.75	6,256.65	-2,271.73	-4,737.72	5,250.34	0.18	-0.16	0.07
11,728.00	89.31	268.57	6,261.72	-2,271.20	-4,926.62	5,423.47	1.90	0.89	-1.68
11,823.00	90.18	268.78	6,262.14	-2,273.40	-5,021.59	5,511.49	0.94	0.92	0.22
11,918.00	88.85	268.17	6,262.95	-2,275.93	-5,116.55	5,599.64	1.54	-1.40	-0.64
12,006.00	88.68	268.14	6,264.84	-2,278.76	-5,204.49	5,681.45	0.20	-0.19	-0.03
LAST SURVEY - 12006' MD, 6265' TVD									
12,068.00	88.68	268.14	6,266.27	-2,280.77	-5,266.44	5,739.10	0.00	0.00	0.00
EXTRAPOLATION TO TD - 12068' MD, 1329' FSL, 332' FWL SEC 2									

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well STATE ANTELOPE X-D-3HN
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4672.00usft
Site:	SEC 2-T5N-R62W	MD Reference:	KB 25' @ 4672.00usft
Well:	STATE ANTELOPE X-D-3HN	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDT_32Bit_ODBC

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
LP-STATE ANTELOPE >	0.00	0.00	6,225.00	-2,229.59	-130.86	1,400,156.80	3,334,268.01	40.425620°N	104.299310°W
- actual wellpath misses target center by 13.24usft at 6930.42usft MD (6211.87 TVD, -2228.60 N, -132.28 E)									
- Point									
PBHL-STATE ANTELOP	0.00	0.00	6,259.00	-2,265.49	-5,268.43	1,400,051.31	3,329,131.59	40.425520°N	104.317763°W
- actual wellpath misses target center by 17.04usft at 12068.00usft MD (6266.27 TVD, -2280.77 N, -5266.44 E)									
- Point									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W	Comment	
(usft)	(usft)	(usft)	(usft)		
5,960.00	5,582.91	-1,956.19	437.90	KOP - 5960' MD, 5583' TVD	
6,928.99	6,211.72	-2,228.56	-130.86	~200' X-OVER PNT - 6928.99' MD, 1322' FSL, 200' FWL SEC 2	
6,940.00	6,212.89	-2,228.82	-141.80	HZ LANDIN PNT - 6940' MD, 6213' TVD	
12,006.00	6,264.84	-2,278.76	-5,204.49	LAST SURVEY - 12006' MD, 6265' TVD	
12,068.00	6,266.27	-2,280.77	-5,266.44	EXTRAPOLATION TO TD - 12068' MD, 1329' FSL, 332' FWL SEC 2	

Checked By: _____	Approved By: _____	Date: _____
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