

BONANZA CREEK ENERGY OPERATING

Well Name: **Antelope B-V-33HNB**

Surface Location: Antelope B-33 Pad Sec.33-T5N-R62W

North American Datum 1983 , US State Plane 1983 , Colorado Northern Zone

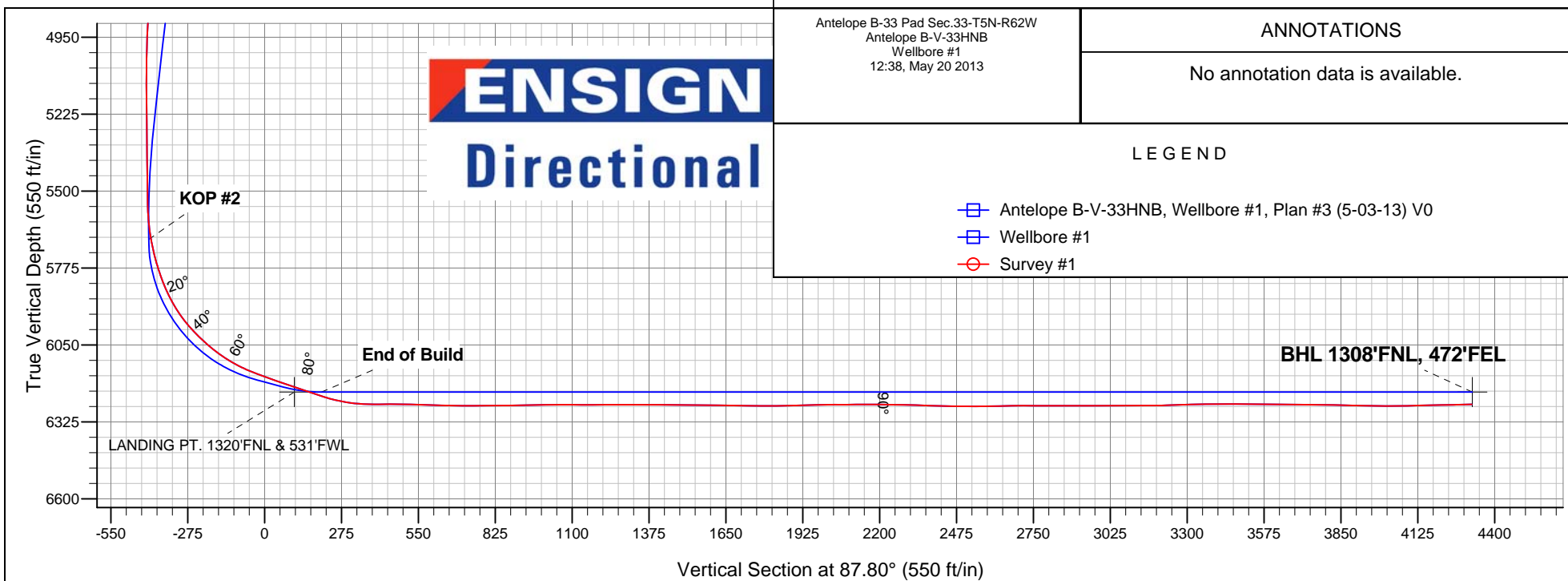
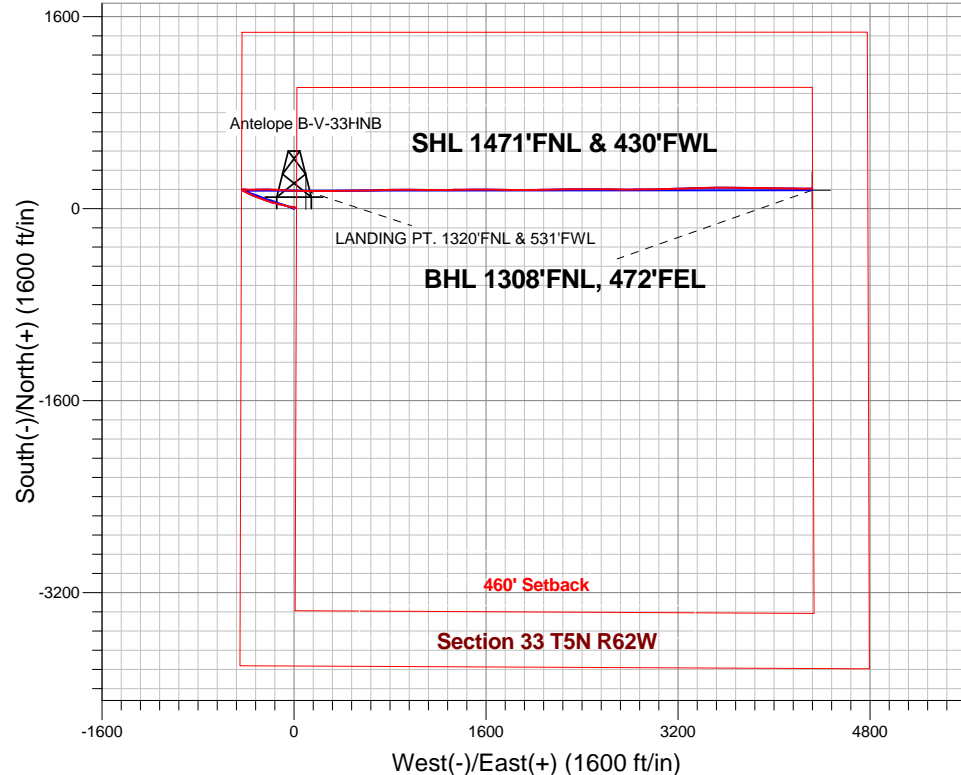
Ground Elevation: 4579.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	1375892.69	3324170.30	40.359390	-104.336720	

RKB - 12' WELL @ 4591.0ft (RKB - 12')

FINAL SURVEY

Projected Bottom Hole Location
10716' MD 6262' TVD 166' N & 4315' E of SHL
91.4 degree Incl @ 90.6 degree AZM



Antelope B-33 Pad Sec.33-T5N-R62W
Antelope B-V-33HNB
Wellbore #1
12:38, May 20 2013

ANNOTATIONS

No annotation data is available.

LEGEND

- Antelope B-V-33HNB, Wellbore #1, Plan #3 (5-03-13) V0
- Wellbore #1
- Survey #1



Directional

BONANZA CREEK ENERGY OPERATING

SEC.33-T5N-R62W

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

Antelope B-V-33HNB

Wellbore #1

Survey: Survey #1

Standard Survey Report

03 June, 2013

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well Antelope B-V-33HNB
Project:	SEC.33-T5N-R62W	TVD Reference:	WELL @ 4591.0ft (RKB - 12')
Site:	Antelope B-33 Pad Sec.33-T5N-R62W	MD Reference:	WELL @ 4591.0ft (RKB - 12')
Well:	Antelope B-V-33HNB	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,067.0	0.90	53.40	1,066.9	7.4	8.2	8.5	0.14	0.11	-5.65
1,158.0	0.40	60.00	1,157.9	8.0	9.0	9.3	0.55	-0.55	7.25
1,249.0	0.30	86.90	1,248.9	8.1	9.5	9.8	0.21	-0.11	29.56
1,339.0	0.20	136.30	1,338.9	8.0	9.9	10.2	0.25	-0.11	54.89
1,442.0	0.30	147.40	1,441.9	7.7	10.2	10.4	0.11	0.10	10.78
1,500.0	0.60	286.02	1,499.9	7.6	9.9	10.2	1.46	0.52	239.00
KOP #1									
1,569.0	1.60	294.50	1,568.9	8.1	8.7	9.0	1.46	1.45	12.29
1,696.0	3.10	288.70	1,695.8	10.0	3.9	4.2	1.19	1.18	-4.57
1,823.0	4.40	281.50	1,822.5	12.0	-4.2	-3.7	1.09	1.02	-5.67
1,950.0	6.20	277.30	1,949.0	13.9	-15.7	-15.2	1.45	1.42	-3.31
2,078.0	7.60	273.60	2,076.0	15.3	-31.1	-30.4	1.15	1.09	-2.89
2,205.0	7.50	283.30	2,201.9	17.7	-47.5	-46.8	1.01	-0.08	7.64
2,332.0	7.40	290.90	2,327.9	22.5	-63.2	-62.3	0.78	-0.08	5.98
2,459.0	8.50	285.60	2,453.7	28.0	-79.9	-78.8	1.04	0.87	-4.17
2,586.0	7.70	278.50	2,579.4	31.8	-97.3	-96.1	1.01	-0.63	-5.59
2,714.0	9.40	280.50	2,706.0	34.9	-116.1	-114.7	1.35	1.33	1.56
2,843.0	8.20	288.60	2,833.5	39.8	-135.2	-133.6	1.34	-0.93	6.28
2,971.0	8.00	283.30	2,960.2	44.8	-152.5	-150.7	0.60	-0.16	-4.14
3,099.0	8.30	285.20	3,086.9	49.2	-170.1	-168.1	0.31	0.23	1.48
3,228.0	9.20	280.10	3,214.4	53.5	-189.2	-187.0	0.92	0.70	-3.95
3,356.0	9.30	291.00	3,340.7	59.0	-209.0	-206.5	1.37	0.08	8.52
3,485.0	9.90	288.70	3,467.9	66.3	-229.2	-226.5	0.55	0.47	-1.78
3,613.0	10.50	294.70	3,593.9	74.7	-250.2	-247.2	0.95	0.47	4.69
3,741.0	9.80	292.40	3,719.9	83.7	-270.9	-267.5	0.63	-0.55	-1.80
3,870.0	9.10	291.60	3,847.1	91.6	-290.5	-286.8	0.55	-0.54	-0.62
3,998.0	8.70	286.60	3,973.6	98.1	-309.2	-305.2	0.68	-0.31	-3.91
4,126.0	9.00	286.60	4,100.1	103.8	-328.1	-323.8	0.23	0.23	0.00
4,255.0	8.20	294.00	4,227.6	110.4	-346.1	-341.7	1.06	-0.62	5.74
4,383.0	8.70	290.50	4,354.2	117.5	-363.6	-358.8	0.56	0.39	-2.73
4,511.0	8.40	299.10	4,480.8	125.4	-380.8	-375.7	1.02	-0.23	6.72
4,639.0	8.00	303.20	4,607.5	134.8	-396.4	-390.9	0.55	-0.31	3.20
4,768.0	7.20	301.20	4,735.4	143.9	-410.8	-405.0	0.65	-0.62	-1.55
4,896.0	4.20	295.80	4,862.7	150.1	-421.9	-415.8	2.38	-2.34	-4.22
5,024.0	2.30	320.90	4,990.5	154.2	-427.8	-421.5	1.82	-1.48	19.61
5,152.0	0.40	15.00	5,118.5	156.6	-429.3	-422.9	1.63	-1.48	42.27
KOP #2									
5,281.0	0.60	44.20	5,247.5	157.5	-428.7	-422.3	0.25	0.16	22.64
5,409.0	1.00	42.30	5,375.5	158.8	-427.5	-421.1	0.31	0.31	-1.48
5,538.0	1.00	60.80	5,504.5	160.2	-425.7	-419.3	0.25	0.00	14.34
5,580.0	1.10	77.50	5,546.5	160.5	-425.0	-418.5	0.76	0.24	39.76
5,623.0	3.90	89.20	5,589.4	160.6	-423.1	-416.7	6.59	6.51	27.21
5,666.0	7.20	92.90	5,632.2	160.5	-419.0	-412.5	7.72	7.67	8.60
5,709.0	10.50	97.70	5,674.7	159.8	-412.4	-406.0	7.86	7.67	11.16
5,752.0	13.40	97.00	5,716.7	158.7	-403.6	-397.2	6.75	6.74	-1.63
5,794.0	15.80	93.30	5,757.4	157.8	-393.0	-386.7	6.13	5.71	-8.81
5,837.0	19.30	90.80	5,798.4	157.3	-380.1	-373.8	8.32	8.14	-5.81
5,880.0	22.70	90.50	5,838.5	157.1	-364.7	-358.4	7.91	7.91	-0.70
5,923.0	26.60	89.80	5,877.6	157.1	-346.8	-340.5	9.10	9.07	-1.63
5,965.0	31.00	89.10	5,914.4	157.3	-326.5	-320.2	10.51	10.48	-1.67
6,008.0	36.20	89.20	5,950.2	157.7	-302.7	-296.5	12.09	12.09	0.23
6,051.0	41.30	88.70	5,983.7	158.2	-275.8	-269.6	11.88	11.86	-1.16
6,094.0	45.10	89.60	6,015.1	158.6	-246.4	-240.1	8.95	8.84	2.09
6,137.0	48.10	90.50	6,044.6	158.6	-215.2	-208.9	7.14	6.98	2.09

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Site:	Antelope B-33 Pad Sec.33-T5N-R62W	MD Reference:	WELL @ 4591.0ft (RKB - 12')
Well:	Antelope B-V-33HNB	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
6,179.0	52.50	91.70	6,071.4	157.9	-182.9	-176.7	10.70	10.48	2.86	
6,222.0	57.20	93.10	6,096.2	156.4	-147.8	-141.6	11.25	10.93	3.26	
6,265.0	61.40	93.80	6,118.1	154.2	-110.9	-104.9	9.87	9.77	1.63	
6,308.0	65.80	93.10	6,137.2	151.9	-72.4	-66.5	10.34	10.23	-1.63	
6,350.0	69.90	92.00	6,153.1	150.2	-33.6	-27.8	10.06	9.76	-2.62	
6,393.0	70.50	91.30	6,167.6	149.0	6.9	12.6	2.07	1.40	-1.63	
6,436.0	70.80	90.80	6,181.9	148.3	47.4	53.1	1.30	0.70	-1.16	
6,479.0	71.00	91.00	6,196.0	147.6	88.1	93.7	0.64	0.47	0.47	
6,497.7	71.22	90.69	6,202.0	147.4	105.7	111.3	1.98	1.19	-1.67	
LANDING PT. 1320'FNL & 531'FWL										
6,521.0	71.50	90.30	6,209.5	147.2	127.8	133.4	1.98	1.19	-1.66	
6,564.0	71.80	90.10	6,223.0	147.0	168.6	174.2	0.83	0.70	-0.47	
6,607.0	72.60	90.10	6,236.1	147.0	209.6	215.1	1.86	1.86	0.00	
6,613.0	73.20	89.97	6,237.9	147.0	215.3	220.8	10.20	10.00	-2.13	
4 - 1/2"										
6,650.0	76.90	89.20	6,247.4	147.2	251.1	256.5	10.20	10.00	-2.09	
6,693.0	81.30	89.90	6,255.6	147.5	293.3	298.7	10.36	10.23	1.63	
6,748.0	87.60	89.80	6,260.9	147.7	348.0	353.4	11.46	11.45	-0.18	
6,781.0	89.11	89.51	6,261.8	147.9	381.0	386.4	4.64	4.56	-0.88	
7"										
6,805.0	90.20	89.30	6,262.0	148.1	405.0	410.4	4.64	4.56	-0.88	
6,847.0	90.40	88.70	6,261.8	148.9	447.0	452.3	1.51	0.48	-1.43	
6,889.0	89.10	89.80	6,261.9	149.4	489.0	494.3	4.05	-3.10	2.62	
6,932.0	88.90	89.40	6,262.7	149.7	531.9	537.3	1.04	-0.47	-0.93	
6,974.0	87.80	89.10	6,263.9	150.3	573.9	579.3	2.71	-2.62	-0.71	
7,017.0	88.10	89.10	6,265.4	150.9	616.9	622.2	0.70	0.70	0.00	
7,059.0	89.10	88.40	6,266.5	151.9	658.9	664.2	2.91	2.38	-1.67	
7,102.0	89.40	88.20	6,267.0	153.1	701.8	707.2	0.84	0.70	-0.47	
7,144.0	90.60	88.00	6,267.0	154.5	743.8	749.2	2.90	2.86	-0.48	
7,186.0	90.40	89.10	6,266.7	155.6	785.8	791.2	2.66	-0.48	2.62	
7,229.0	90.40	89.10	6,266.4	156.3	828.8	834.2	0.00	0.00	0.00	
7,271.0	90.70	90.30	6,266.0	156.5	870.8	876.2	2.94	0.71	2.86	
7,314.0	91.10	89.90	6,265.3	156.4	913.8	919.1	1.32	0.93	-0.93	
7,356.0	91.60	89.90	6,264.3	156.5	955.8	961.1	1.19	1.19	0.00	
7,399.0	90.40	90.10	6,263.5	156.5	998.8	1,004.0	2.83	-2.79	0.47	
7,442.0	90.60	89.80	6,263.2	156.5	1,041.8	1,047.0	0.84	0.47	-0.70	
7,485.0	89.20	90.60	6,263.2	156.4	1,084.8	1,090.0	3.75	-3.26	1.86	
7,527.0	89.90	90.60	6,263.6	155.9	1,126.8	1,131.9	1.67	1.67	0.00	
7,570.0	90.30	90.60	6,263.5	155.5	1,169.8	1,174.9	0.93	0.93	0.00	
7,613.0	90.60	90.80	6,263.2	155.0	1,212.8	1,217.8	0.84	0.70	0.47	
7,656.0	89.70	89.80	6,263.1	154.7	1,255.8	1,260.8	3.13	-2.09	-2.33	
7,699.0	89.90	88.50	6,263.2	155.4	1,298.7	1,303.8	3.06	0.47	-3.02	
7,741.0	89.90	88.70	6,263.3	156.4	1,340.7	1,345.8	0.48	0.00	0.48	
7,784.0	89.80	89.60	6,263.4	157.0	1,383.7	1,388.7	2.11	-0.23	2.09	
7,827.0	89.40	89.60	6,263.7	157.3	1,426.7	1,431.7	0.93	-0.93	0.00	
7,870.0	89.30	89.40	6,264.2	157.7	1,469.7	1,474.7	0.52	-0.23	-0.47	
7,913.0	89.90	90.50	6,264.5	157.7	1,512.7	1,517.7	2.91	1.40	2.56	
7,955.0	89.70	90.50	6,264.6	157.4	1,554.7	1,559.6	0.48	-0.48	0.00	
7,998.0	89.20	89.40	6,265.0	157.4	1,597.7	1,602.6	2.81	-1.16	-2.56	
8,041.0	89.00	90.10	6,265.7	157.6	1,640.7	1,645.6	1.69	-0.47	1.63	
8,084.0	88.90	90.50	6,266.5	157.4	1,683.7	1,688.5	0.96	-0.23	0.93	
8,127.0	89.30	90.10	6,267.2	157.2	1,726.7	1,731.5	1.32	0.93	-0.93	
8,169.0	89.50	90.80	6,267.6	156.8	1,768.7	1,773.4	1.73	0.48	1.67	
8,212.0	90.70	91.00	6,267.5	156.1	1,811.7	1,816.3	2.83	2.79	0.47	

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Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
8,255.0	91.30	90.60	6,266.8	155.5	1,854.7	1,859.3	1.68	1.40	-0.93
8,298.0	91.30	90.30	6,265.8	155.2	1,897.7	1,902.2	0.70	0.00	-0.70
8,340.0	92.00	90.30	6,264.6	155.0	1,939.6	1,944.2	1.67	1.67	0.00
8,383.0	91.40	89.40	6,263.3	155.1	1,982.6	1,987.1	2.51	-1.40	-2.09
8,426.0	89.30	88.40	6,263.1	155.9	2,025.6	2,030.1	5.41	-4.88	-2.33
8,469.0	90.50	89.20	6,263.1	156.8	2,068.6	2,073.1	3.35	2.79	1.86
8,512.0	90.70	89.60	6,262.7	157.3	2,111.6	2,116.1	1.04	0.47	0.93
8,554.0	90.10	89.20	6,262.4	157.7	2,153.6	2,158.1	1.72	-1.43	-0.95
8,597.0	89.50	88.50	6,262.5	158.6	2,196.6	2,201.1	2.14	-1.40	-1.63
8,640.0	89.40	88.50	6,263.0	159.7	2,239.6	2,244.1	0.23	-0.23	0.00
8,683.0	88.50	89.40	6,263.7	160.5	2,282.6	2,287.0	2.96	-2.09	2.09
8,725.0	88.60	88.70	6,264.8	161.2	2,324.5	2,329.0	1.68	0.24	-1.67
8,768.0	88.10	89.10	6,266.0	162.0	2,367.5	2,372.0	1.49	-1.16	0.93
8,811.0	88.50	88.50	6,267.3	162.9	2,410.5	2,415.0	1.68	0.93	-1.40
8,854.0	88.50	90.10	6,268.4	163.4	2,453.5	2,457.9	3.72	0.00	3.72
8,896.0	89.20	90.50	6,269.3	163.2	2,495.5	2,499.9	1.92	1.67	0.95
8,939.0	90.40	91.50	6,269.4	162.5	2,538.4	2,542.8	3.63	2.79	2.33
8,982.0	91.70	91.90	6,268.7	161.2	2,581.4	2,585.7	3.16	3.02	0.93
9,025.0	91.00	91.20	6,267.6	160.0	2,624.4	2,628.6	2.30	-1.63	-1.63
9,068.0	90.60	91.20	6,267.0	159.1	2,667.4	2,671.5	0.93	-0.93	0.00
9,110.0	90.20	90.80	6,266.7	158.4	2,709.4	2,713.5	1.35	-0.95	-0.95
9,153.0	89.60	89.60	6,266.8	158.3	2,752.4	2,756.4	3.12	-1.40	-2.79
9,196.0	89.50	89.60	6,267.2	158.6	2,795.4	2,799.4	0.23	-0.23	0.00
9,239.0	90.00	88.40	6,267.3	159.3	2,838.4	2,842.4	3.02	1.16	-2.79
9,281.0	90.20	88.90	6,267.3	160.3	2,880.3	2,884.4	1.28	0.48	1.19
9,324.0	90.60	89.90	6,267.0	160.7	2,923.3	2,927.4	2.50	0.93	2.33
9,367.0	90.40	89.40	6,266.6	161.0	2,966.3	2,970.3	1.25	-0.47	-1.16
9,410.0	90.00	89.40	6,266.4	161.5	3,009.3	3,013.3	0.93	-0.93	0.00
9,453.0	90.30	88.90	6,266.3	162.1	3,052.3	3,056.3	1.36	0.70	-1.16
9,495.0	90.00	88.00	6,266.2	163.2	3,094.3	3,098.3	2.26	-0.71	-2.14
9,538.0	90.30	88.70	6,266.1	164.5	3,137.3	3,141.3	1.77	0.70	1.63
9,581.0	90.30	88.40	6,265.9	165.6	3,180.3	3,184.3	0.70	0.00	-0.70
9,624.0	91.50	87.80	6,265.2	167.0	3,223.3	3,227.3	3.12	2.79	-1.40
9,667.0	91.80	88.40	6,264.0	168.4	3,266.2	3,270.3	1.56	0.70	1.40
9,709.0	91.70	88.50	6,262.7	169.5	3,308.2	3,312.2	0.34	-0.24	0.24
9,752.0	91.20	88.90	6,261.6	170.5	3,351.1	3,355.2	1.49	-1.16	0.93
9,795.0	90.70	88.00	6,260.9	171.7	3,394.1	3,398.2	2.39	-1.16	-2.09
9,838.0	90.00	88.50	6,260.6	173.0	3,437.1	3,441.2	2.00	-1.63	1.16
9,880.0	89.30	88.90	6,260.9	173.9	3,479.1	3,483.2	1.92	-1.67	0.95
9,923.0	89.00	89.80	6,261.5	174.4	3,522.1	3,526.2	2.21	-0.70	2.09
9,966.0	89.40	90.30	6,262.1	174.4	3,565.1	3,569.1	1.49	0.93	1.16
10,009.0	90.00	90.60	6,262.3	174.1	3,608.1	3,612.1	1.56	1.40	0.70
10,051.0	89.90	90.10	6,262.4	173.8	3,650.1	3,654.1	1.21	-0.24	-1.19
10,094.0	89.00	89.20	6,262.8	174.1	3,693.1	3,697.0	2.96	-2.09	-2.09
10,137.0	89.50	91.20	6,263.4	173.9	3,736.1	3,740.0	4.79	1.16	4.65
10,180.0	89.30	91.50	6,263.8	172.9	3,779.1	3,782.9	0.84	-0.47	0.70
10,223.0	89.40	91.90	6,264.3	171.6	3,822.0	3,825.8	0.96	0.23	0.93
10,265.0	88.10	89.40	6,265.2	171.1	3,864.0	3,867.7	6.71	-3.10	-5.95
10,308.0	88.50	89.60	6,266.5	171.5	3,907.0	3,910.7	1.04	0.93	0.47
10,351.0	88.90	89.90	6,267.5	171.7	3,950.0	3,953.7	1.16	0.93	0.70
10,394.0	89.30	90.80	6,268.1	171.4	3,993.0	3,996.6	2.29	0.93	2.09
10,436.0	91.00	91.70	6,268.0	170.5	4,035.0	4,038.5	4.58	4.05	2.14
10,479.0	91.70	92.00	6,267.0	169.1	4,077.9	4,081.4	1.77	1.63	0.70
10,522.0	91.20	91.30	6,265.9	167.9	4,120.9	4,124.3	2.00	-1.16	-1.63

Company:	BONANZA CREEK ENERGY OPERATING	Local Co-ordinate Reference:	Well Antelope B-V-33HNB
Project:	SEC.33-T5N-R62W	TVD Reference:	WELL @ 4591.0ft (RKB - 12')
Site:	Antelope B-33 Pad Sec.33-T5N-R62W	MD Reference:	WELL @ 4591.0ft (RKB - 12')
Well:	Antelope B-V-33HNB	North Reference:	True
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	Landmark

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
10,565.0	91.00	90.50	6,265.1	167.2	4,163.9	4,167.2	1.92	-0.47	-1.86
10,608.0	90.80	90.50	6,264.4	166.9	4,206.9	4,210.2	0.47	-0.47	0.00
10,650.0	91.30	90.50	6,263.7	166.5	4,248.9	4,252.1	1.19	1.19	0.00
10,661.0	91.40	90.60	6,263.4	166.4	4,259.9	4,263.1	1.29	0.91	0.91
10,710.0	91.40	90.60	6,262.2	165.9	4,308.8	4,312.0	0.00	0.00	0.00
4 - 1/2"									
10,716.0	91.40	90.60	6,262.1	165.8	4,314.8	4,318.0	0.00	0.00	0.00
TD at 10716' MD - BHL 1320'FNL, 470'FEL									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
LANDING PT. 1320'F	0.00	0.00	6,218.0	149.4	100.3	1,376,043.37	3,324,268.66	40.359800	-104.336360
- survey misses target center by 17.0ft at 6497.7ft MD (6202.0 TVD, 147.4 N, 105.7 E)									
- Point									
BHL 1320'FNL, 470'FI	0.00	0.00	6,218.0	153.4	4,316.9	1,376,102.69	3,328,484.60	40.359810	-104.321230
- survey misses target center by 45.8ft at 10716.0ft MD (6262.1 TVD, 165.8 N, 4314.8 E)									
- Point									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
485.0	485.0	9 5/8"	9-5/8	12-1/4	
6,781.0	6,261.8	7"	7	7-1/2	
6,613.0	6,237.9	4 - 1/2"	4	6	
10,710.0	6,262.2	4 - 1/2"	4	6	

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
1,500.0	1,499.9	7.6	9.9	KOP #1	
5,152.0	5,118.5	156.6	-429.3	KOP #2	
10,716.0	6,262.1	165.8	4,314.8	TD at 10716' MD	

Checked By: _____ Approved By: _____ Date: _____