

BONANZA CREEK ENERGY

WELD COUNTY

SEC 30-T5N-R61W

PRONGHORN FEDERAL F21-J24-31HNB

OWB

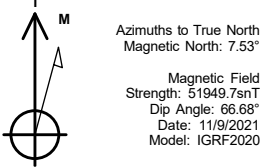
Design: FINAL SURVEY

Standard Survey Report

27 December, 2021

Project: WELD COUNTY
Site: SEC 30-T5N-R61W
Well: PRONGHORN FEDERAL F21-J24-31HNB
Wellbore: OWB
Design: FINAL SURVEY

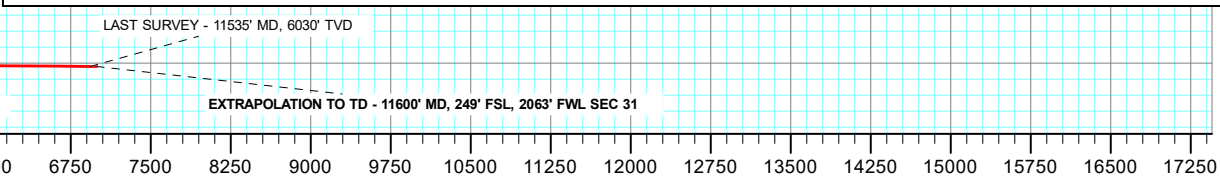
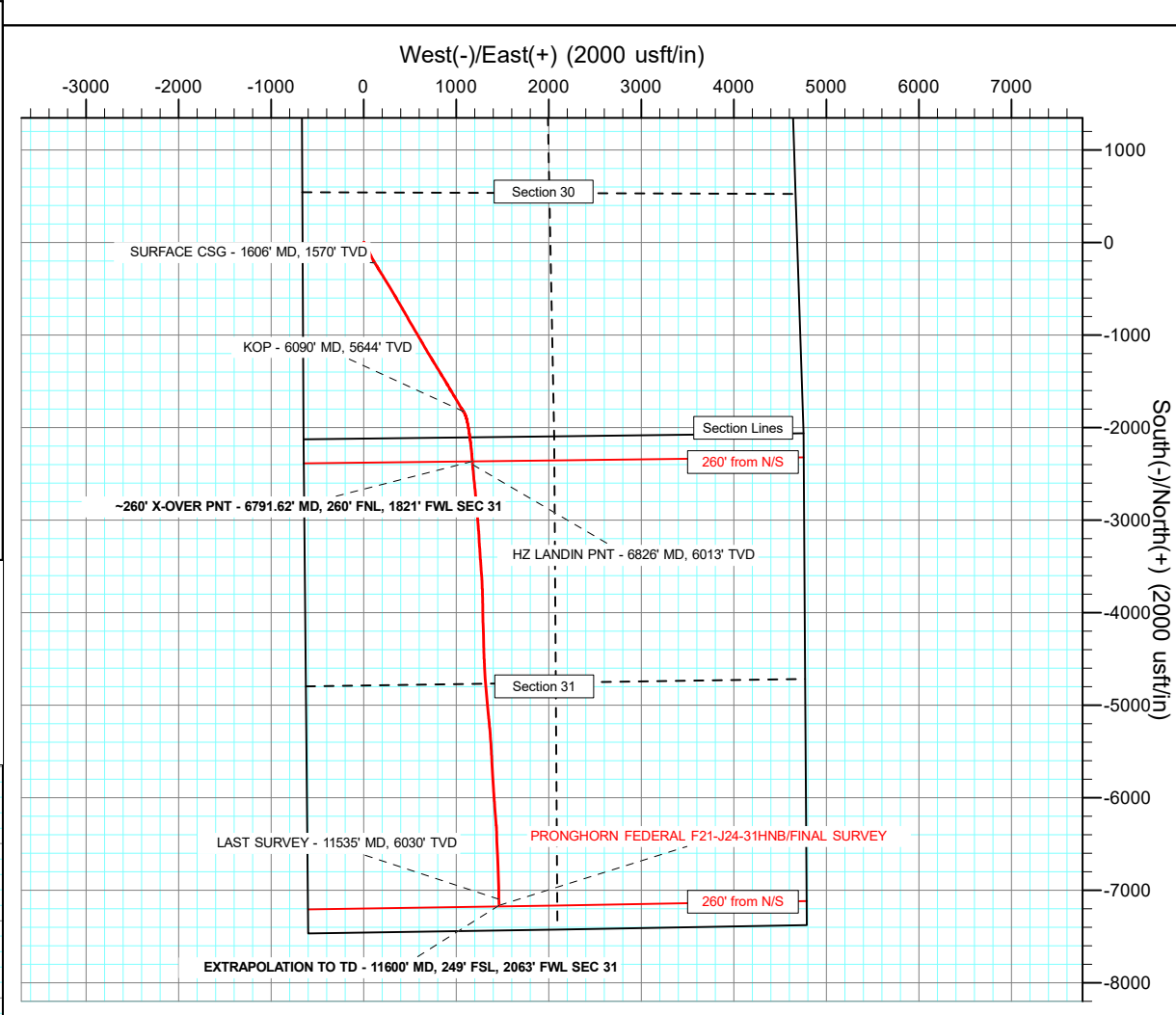
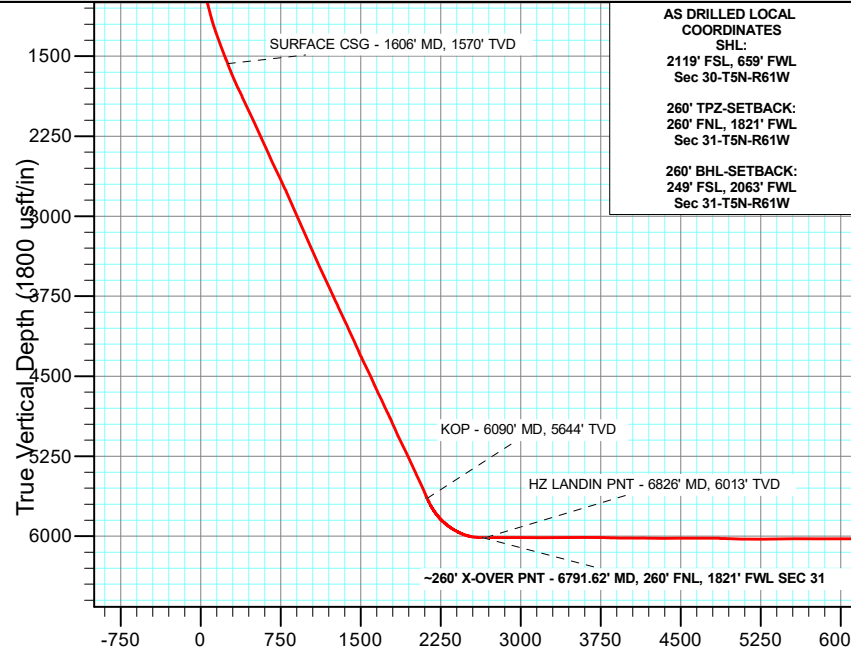
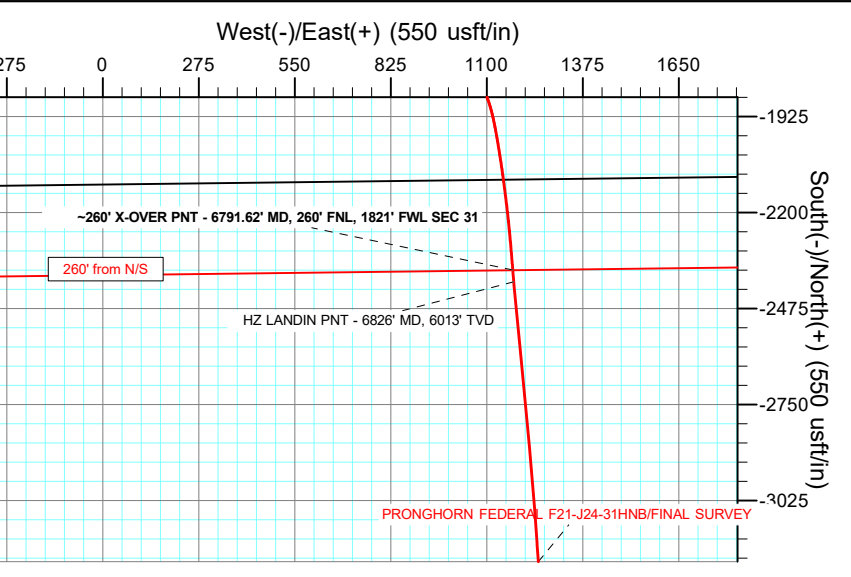
PROJECT DETAILS: WELD COUNTY
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level



WELL DETAILS: PRONGHORN FEDERAL F21-J24-31HNB

+N/-S	+E/-W	Northing	Easting	4527.00	Latitude	Longitude	Slot
0.00	0.00	1380112.04	3345702.50		40.370170°N	104.259250°W	

MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1606.00	21.66	148.15	1569.68	121.27	252.33	259.87	2131.81	SURFACE CSG - 1606' MD, 1570' TVD
6090.00	23.93	148.70	5644.08	-1827.65	1080.04	2121.57	2131.81	KOP - 6090' MD, 5644' TVD
6791.62	89.21	175.32	6012.95	-2364.33	1174.33	2638.09	2679.09	~260' X-OVER PNT - 6791.62' MD, 260' FNL, 1821' FWL SEC 31
6826.00	90.84	175.35	6012.89	-2398.59	1177.12	2669.53	2713.44	HZ LANDIN PNT - 6826' MD, 6013' TVD
11535.00	89.82	179.03	6029.98	-7097.07	1461.13	6932.88	7422.03	LAST SURVEY - 11535' MD, 6030' TVD
11600.00	89.82	179.03	6030.19	-7162.06	1462.23	6990.50	7487.03	EXTRAPOLATION TO TD - 11600' MD, 249' FSL, 2063' FWL SEC 31



Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well PRONGHORN FEDERAL F21-J24-31HNB
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4552.00usft
Site:	SEC 30-T5N-R61W	MD Reference:	KB 25' @ 4552.00usft
Well:	PRONGHORN FEDERAL F21-J24-31HNB	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 30-T5N-R61W			
Site Position:		Northing:	1,380,645.52 usft	Latitude:	40.371660°N
From:	Lat/Long	Easting:	3,345,031.84 usft	Longitude:	104.261630°W
Position Uncertainty:	0.00 usft	Slot Radius:	13.200 in	Grid Convergence:	0.80 °

Well		PRONGHORN FEDERAL F21-J24-31HNB				
Well Position	+N/-S	0.00 usft	Northing:	1,380,112.04 usft	Latitude:	40.370170°N
	+E/-W	0.00 usft	Easting:	3,345,702.50 usft	Longitude:	104.259250°W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	4,527.00 usft

Wellbore	OWB				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	11/9/2021	7.54	66.68	51,949.73839076

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	151.46	

Survey Program	Date	12/27/2021			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
158.00	1,569.00	SURFACE SURVEY (OWB)	MWD OWSG	OWSG MWD - Standard	
1,669.00	11,600.00	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	
158.00	0.44	12.71	158.00	0.59	0.13	-0.46	0.28	0.28	0.00	
249.00	0.62	48.57	248.99	1.26	0.58	-0.83	0.40	0.20	39.41	
341.00	0.88	33.98	340.99	2.17	1.35	-1.27	0.35	0.28	-15.86	
425.00	1.14	44.70	424.97	3.30	2.30	-1.80	0.38	0.31	12.76	
512.00	1.41	145.60	511.96	3.03	3.51	-0.99	2.27	0.31	115.98	
597.00	4.04	167.75	596.86	-0.76	4.74	2.93	3.28	3.09	26.06	
685.00	6.68	162.48	684.47	-8.67	6.93	10.93	3.05	3.00	-5.99	
770.00	8.27	153.69	768.74	-18.86	11.13	21.89	2.30	1.87	-10.34	
855.00	8.97	150.70	852.78	-30.12	17.09	34.62	0.98	0.82	-3.52	

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Site:	SEC 30-T5N-R61W	MD Reference:	KB 25' @ 4552.00usft
Well:	PRONGHORN FEDERAL F21-J24-31HNB	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)
939.00	10.99	148.77	935.51	-42.68	24.44	49.17	2.44	2.40	-2.30
1,024.00	13.63	148.77	1,018.55	-58.17	33.84	67.27	3.11	3.11	0.00
1,112.00	14.86	150.17	1,103.84	-76.83	44.83	88.91	1.45	1.40	1.59
1,197.00	16.88	154.04	1,185.60	-97.38	55.65	112.14	2.68	2.38	4.55
1,284.00	19.17	154.39	1,268.32	-121.62	67.36	139.03	2.64	2.63	0.40
1,370.00	20.14	152.46	1,349.31	-147.49	80.31	167.93	1.36	1.13	-2.24
1,455.00	20.66	152.81	1,428.98	-173.80	93.92	197.55	0.63	0.61	0.41
1,540.00	21.28	150.00	1,508.35	-200.50	108.49	227.97	1.39	0.73	-3.31
1,569.00	21.90	147.89	1,535.32	-209.63	113.99	238.62	3.43	2.14	-7.28
1,606.00	21.66	148.15	1,569.68	-221.28	121.27	252.33	0.69	-0.64	0.71
SURFACE CSG - 1606' MD, 1570' TVD									
1,669.00	21.26	148.61	1,628.31	-240.91	133.35	275.35	0.69	-0.64	0.73
1,763.00	23.48	149.30	1,715.23	-271.56	151.79	311.08	2.38	2.36	0.73
1,857.00	25.50	148.92	1,800.77	-305.00	171.80	350.01	2.16	2.15	-0.40
1,952.00	25.38	147.90	1,886.56	-339.76	193.17	390.76	0.48	-0.13	-1.07
2,047.00	25.40	147.63	1,972.38	-374.21	214.90	431.41	0.12	0.02	-0.28
2,142.00	25.11	148.24	2,058.30	-408.56	236.42	471.87	0.41	-0.31	0.64
2,238.00	24.99	148.52	2,145.27	-443.17	257.73	512.46	0.18	-0.12	0.29
2,333.00	24.79	148.66	2,231.45	-477.30	278.57	552.39	0.22	-0.21	0.15
2,428.00	24.60	149.01	2,317.76	-511.26	299.11	592.04	0.25	-0.20	0.37
2,523.00	24.24	148.87	2,404.26	-544.90	319.37	631.27	0.38	-0.38	-0.15
2,618.00	23.99	149.47	2,490.97	-578.23	339.26	670.06	0.37	-0.26	0.63
2,714.00	25.88	150.05	2,578.02	-613.20	359.64	710.51	1.99	1.97	0.60
2,808.00	25.78	149.77	2,662.63	-648.63	380.17	751.45	0.17	-0.11	-0.30
2,903.00	24.99	149.90	2,748.45	-683.85	400.64	792.16	0.83	-0.83	0.14
2,998.00	24.11	150.06	2,834.86	-718.02	420.39	831.62	0.93	-0.93	0.17
3,119.00	22.65	149.76	2,945.93	-759.57	444.46	879.61	1.21	-1.21	-0.25
3,214.00	23.35	150.69	3,033.37	-791.79	462.88	916.72	0.83	0.74	0.98
3,309.00	24.19	149.85	3,120.31	-825.03	481.88	955.00	0.95	0.88	-0.88
3,404.00	23.94	149.81	3,207.06	-858.53	501.35	993.73	0.26	-0.26	-0.04
3,499.00	24.06	150.00	3,293.84	-891.96	520.72	1,032.35	0.15	0.13	0.20
3,594.00	24.62	149.59	3,380.40	-925.79	540.42	1,071.49	0.62	0.59	-0.43
3,689.00	25.13	149.79	3,466.59	-960.29	560.59	1,111.43	0.54	0.54	0.21
3,784.00	24.97	149.38	3,552.65	-994.98	580.95	1,151.63	0.25	-0.17	-0.43
3,879.00	24.82	149.83	3,638.82	-1,029.47	601.18	1,191.60	0.25	-0.16	0.47
3,974.00	24.05	149.59	3,725.31	-1,063.41	621.00	1,230.88	0.82	-0.81	-0.25
4,069.00	25.51	149.99	3,811.56	-1,097.82	641.04	1,270.68	1.55	1.54	0.42
4,164.00	24.52	149.91	3,897.65	-1,132.59	661.15	1,310.84	1.04	-1.04	-0.08
4,260.00	25.35	149.59	3,984.70	-1,167.55	681.54	1,351.29	0.88	0.86	-0.33
4,355.00	24.40	149.20	4,070.89	-1,201.95	701.88	1,391.23	1.01	-1.00	-0.41
4,450.00	25.22	148.40	4,157.12	-1,236.04	722.54	1,431.05	0.93	0.86	-0.84
4,545.00	23.38	148.75	4,243.70	-1,269.40	742.92	1,470.09	1.94	-1.94	0.37
4,640.00	25.54	148.92	4,330.17	-1,303.05	763.27	1,509.38	2.27	2.27	0.18

Survey Report

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Site:	SEC 30-T5N-R61W	MD Reference:	KB 25' @ 4552.00usft
Well:	PRONGHORN FEDERAL F21-J24-31HNB	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)
4,736.00	26.43	148.77	4,416.46	-1,339.05	785.04	1,551.40	0.93	0.93	-0.16
4,831.00	25.09	149.04	4,502.02	-1,374.40	806.36	1,592.64	1.42	-1.41	0.28
4,925.00	23.57	149.04	4,587.67	-1,407.61	826.28	1,631.33	1.62	-1.62	0.00
5,020.00	25.39	147.83	4,674.13	-1,441.14	846.90	1,670.64	1.99	1.92	-1.27
5,115.00	25.40	147.81	4,759.95	-1,475.62	868.60	1,711.30	0.01	0.01	-0.02
5,210.00	26.27	149.82	4,845.45	-1,511.04	890.02	1,752.65	1.30	0.92	2.12
5,305.00	23.43	149.02	4,931.65	-1,545.41	910.32	1,792.54	3.01	-2.99	-0.84
5,400.00	23.89	149.36	5,018.66	-1,578.16	929.84	1,830.63	0.51	0.48	0.36
5,494.00	26.08	149.65	5,103.86	-1,612.37	949.99	1,870.31	2.33	2.33	0.31
5,589.00	26.50	149.12	5,189.03	-1,648.58	971.42	1,912.36	0.51	0.44	-0.56
5,684.00	24.84	148.69	5,274.65	-1,683.82	992.66	1,953.47	1.76	-1.75	-0.45
5,780.00	24.84	149.81	5,361.77	-1,718.48	1,013.28	1,993.77	0.49	0.00	1.17
5,875.00	25.20	150.00	5,447.86	-1,753.24	1,033.43	2,033.93	0.39	0.38	0.20
5,969.00	24.70	148.02	5,533.09	-1,787.23	1,053.84	2,073.54	1.04	-0.53	-2.11
6,065.00	22.39	145.84	5,621.09	-1,819.38	1,074.73	2,111.77	2.57	-2.41	-2.27
6,090.00	23.93	148.70	5,644.08	-1,827.65	1,080.04	2,121.57	7.63	6.16	11.44
KOP - 6090' MD, 5644' TVD									
6,160.00	28.47	155.10	5,706.88	-1,854.94	1,094.45	2,152.42	7.63	6.48	9.14
6,254.00	37.18	164.70	5,785.85	-1,902.78	1,111.42	2,202.56	10.77	9.27	10.21
6,349.00	47.46	169.64	5,856.02	-1,965.08	1,125.33	2,263.94	11.37	10.82	5.20
6,443.00	56.50	171.11	5,913.86	-2,038.02	1,137.64	2,333.90	9.70	9.62	1.56
6,538.00	64.59	172.51	5,960.53	-2,119.83	1,149.38	2,411.38	8.61	8.52	1.47
6,633.00	74.24	173.69	5,993.90	-2,208.02	1,160.02	2,493.94	10.22	10.16	1.24
6,728.00	85.91	175.17	6,010.24	-2,300.99	1,169.06	2,579.94	12.38	12.28	1.56
6,791.62	89.21	175.32	6,012.95	-2,364.33	1,174.33	2,638.09	5.19	5.19	0.23
~260' X-OVER PNT - 6791.62' MD, 260' FNL, 1821' FWL SEC 31									
6,823.00	90.84	175.39	6,012.94	-2,395.60	1,176.87	2,666.78	5.19	5.19	0.23
6,826.00	90.84	175.35	6,012.89	-2,398.59	1,177.12	2,669.53	1.29	-0.14	-1.28
HZ LANDIN PNT - 6826' MD, 6013' TVD									
6,918.00	90.71	174.17	6,011.65	-2,490.20	1,185.52	2,754.02	1.29	-0.14	-1.28
7,013.00	89.32	174.77	6,011.63	-2,584.75	1,194.67	2,841.46	1.59	-1.46	0.63
7,108.00	89.72	173.73	6,012.42	-2,679.27	1,204.19	2,929.04	1.17	0.42	-1.09
7,203.00	89.49	175.22	6,013.08	-2,773.83	1,213.34	3,016.48	1.59	-0.24	1.57
7,298.00	90.29	174.54	6,013.26	-2,868.45	1,221.81	3,103.65	1.11	0.84	-0.72
7,392.00	89.99	175.77	6,013.03	-2,962.11	1,229.75	3,189.73	1.35	-0.32	1.31
7,487.00	90.63	175.12	6,012.52	-3,056.80	1,237.30	3,276.52	0.96	0.67	-0.68
7,582.00	89.40	176.58	6,012.49	-3,151.55	1,244.17	3,363.04	2.01	-1.29	1.54
7,677.00	90.05	176.63	6,012.95	-3,246.38	1,249.80	3,449.04	0.69	0.68	0.05
7,772.00	91.27	176.04	6,011.85	-3,341.18	1,255.87	3,535.22	1.43	1.28	-0.62
7,867.00	89.60	175.70	6,011.13	-3,435.93	1,262.71	3,621.73	1.79	-1.76	-0.36
7,962.00	90.21	175.84	6,011.29	-3,530.67	1,269.72	3,708.31	0.66	0.64	0.15
8,058.00	87.64	175.94	6,013.09	-3,626.40	1,276.60	3,795.69	2.68	-2.68	0.10
8,153.00	88.47	178.29	6,016.32	-3,721.21	1,281.37	3,881.27	2.62	0.87	2.47
8,249.00	90.38	178.46	6,017.28	-3,817.17	1,284.10	3,966.87	2.00	1.99	0.18

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well PRONGHORN FEDERAL F21-J24-31HNB
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4552.00usft
Site:	SEC 30-T5N-R61W	MD Reference:	KB 25' @ 4552.00usft
Well:	PRONGHORN FEDERAL F21-J24-31HNB	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)
8,344.00	88.88	178.83	6,017.89	-3,912.13	1,286.34	4,051.37	1.63	-1.58	0.39
8,438.00	90.43	179.30	6,018.46	-4,006.12	1,287.88	4,134.67	1.72	1.65	0.50
8,533.00	88.84	178.31	6,019.06	-4,101.09	1,289.86	4,219.05	1.97	-1.67	-1.04
8,628.00	89.41	178.09	6,020.51	-4,196.03	1,292.84	4,303.88	0.64	0.60	-0.23
8,722.00	91.03	178.28	6,020.15	-4,289.98	1,295.82	4,387.84	1.74	1.72	0.20
8,817.00	90.32	178.87	6,019.03	-4,384.94	1,298.18	4,472.40	0.97	-0.75	0.62
8,912.00	89.31	177.52	6,019.34	-4,479.89	1,301.17	4,557.24	1.77	-1.06	-1.42
9,006.00	90.79	177.67	6,019.26	-4,573.81	1,305.12	4,641.63	1.58	1.57	0.16
9,101.00	89.19	176.05	6,019.28	-4,668.66	1,310.32	4,727.44	2.40	-1.68	-1.71
9,196.00	90.14	175.41	6,019.83	-4,763.39	1,317.39	4,814.05	1.21	1.00	-0.67
9,291.00	88.16	175.43	6,021.24	-4,858.07	1,324.98	4,900.85	2.08	-2.08	0.02
9,386.00	87.73	174.68	6,024.65	-4,952.66	1,333.16	4,987.85	0.91	-0.45	-0.79
9,480.00	88.78	174.19	6,027.51	-5,046.17	1,342.27	5,074.36	1.23	1.12	-0.52
9,576.00	89.78	174.67	6,028.72	-5,141.71	1,351.59	5,162.74	1.16	1.04	0.50
9,671.00	90.24	174.10	6,028.70	-5,236.25	1,360.89	5,250.24	0.77	0.48	-0.60
9,766.00	90.69	176.18	6,027.93	-5,330.90	1,368.93	5,337.23	2.24	0.47	2.19
9,861.00	91.91	175.96	6,025.77	-5,425.65	1,375.44	5,423.58	1.30	1.28	-0.23
9,955.00	90.46	177.26	6,023.83	-5,519.46	1,381.00	5,508.65	2.07	-1.54	1.38
10,051.00	89.83	177.38	6,023.59	-5,615.36	1,385.49	5,595.04	0.67	-0.66	0.12
10,145.00	89.59	176.56	6,024.06	-5,709.22	1,390.46	5,679.88	0.91	-0.26	-0.87
10,240.00	89.38	176.48	6,024.92	-5,804.04	1,396.22	5,765.93	0.24	-0.22	-0.08
10,335.00	90.22	176.43	6,025.25	-5,898.86	1,402.10	5,852.04	0.89	0.88	-0.05
10,430.00	91.29	175.59	6,024.00	-5,993.62	1,408.71	5,938.44	1.43	1.13	-0.88
10,525.00	89.40	176.00	6,023.42	-6,088.36	1,415.67	6,025.00	2.04	-1.99	0.43
10,619.00	89.61	175.70	6,024.24	-6,182.11	1,422.47	6,110.61	0.39	0.22	-0.32
10,715.00	89.88	174.60	6,024.66	-6,277.76	1,430.59	6,198.52	1.18	0.28	-1.15
10,810.00	89.35	178.21	6,025.30	-6,372.56	1,436.55	6,284.64	3.84	-0.56	3.80
10,905.00	89.03	177.63	6,026.64	-6,467.48	1,439.99	6,369.68	0.70	-0.34	-0.61
11,000.00	89.47	177.62	6,027.89	-6,562.39	1,443.93	6,454.94	0.46	0.46	-0.01
11,096.00	89.42	177.35	6,028.82	-6,658.30	1,448.14	6,541.21	0.29	-0.05	-0.28
11,191.00	90.12	177.86	6,029.20	-6,753.21	1,452.11	6,626.49	0.91	0.74	0.54
11,286.00	90.43	177.76	6,028.74	-6,848.14	1,455.74	6,711.62	0.34	0.33	-0.11
11,381.00	89.41	178.81	6,028.88	-6,943.10	1,458.59	6,796.40	1.54	-1.07	1.11
11,476.00	89.61	179.21	6,029.69	-7,038.08	1,460.23	6,880.63	0.47	0.21	0.42
11,535.00	89.82	179.03	6,029.98	-7,097.07	1,461.13	6,932.88	0.47	0.36	-0.31
LAST SURVEY - 11535' MD, 6030' TVD									
11,600.00	89.82	179.03	6,030.19	-7,162.06	1,462.23	6,990.50	0.00	0.00	0.00
EXTRAPOLATION TO TD - 11600' MD, 249' FSL, 2063' FWL SEC 31									

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well PRONGHORN FEDERAL F21-J24-31HNB
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4552.00usft
Site:	SEC 30-T5N-R61W	MD Reference:	KB 25' @ 4552.00usft
Well:	PRONGHORN FEDERAL F21-J24-31HNB	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									
PRONGHORN FED F21	0.00	0.00	6,015.00	-2,364.33	1,192.71	1,377,764.73	3,346,928.13	40.363680°N	104.254970°W
- actual wellpath misses target center by 18.43usft at 6793.11usft MD (6012.97 TVD, -2365.81 N, 1174.45 E)									
- Point									
PRONGHORN FED F21	0.00	0.00	6,035.00	-7,173.19	1,460.52	1,372,960.28	3,347,263.18	40.350480°N	104.254010°W
- actual wellpath misses target center by 12.24usft at 11600.00usft MD (6030.19 TVD, -7162.06 N, 1462.23 E)									
- Point									

Design Annotations					
Measured Depth	Vertical Depth	Local Coordinates			
(usft)	(usft)	+N/-S	+E/-W		
(usft)	(usft)	(usft)	(usft)	Comment	
1,606.00	1,569.68	-221.28	121.27	SURFACE CSG - 1606' MD, 1570' TVD	
6,090.00	5,644.08	-1,827.65	1,080.04	KOP - 6090' MD, 5644' TVD	
6,791.62	6,012.95	-2,364.33	1,174.33	~260' X-OVER PNT - 6791.62' MD, 260' FNL, 1821' FWL SEC 31	
6,826.00	6,012.89	-2,398.59	1,177.12	HZ LANDIN PNT - 6826' MD, 6013' TVD	
11,535.00	6,029.98	-7,097.07	1,461.13	LAST SURVEY - 11535' MD, 6030' TVD	
11,600.00	6,030.19	-7,162.06	1,462.23	EXTRAPOLATION TO TD - 11600' MD, 249' FSL, 2063' FWL SEC 31	

Checked By: _____ Approved By: _____ Date: _____