

BONANZA CREEK ENERGY

WELD COUNTY

SEC 31-T5N-R62W

ORIGAMI STATE A-O31 6S-10-02

OWB

Design: FINAL SURVEY

Standard Survey Report

24 June, 2025

Project: WELD COUNTY
 Site: SEC 31-T5N-R62W
 Well: ORIGAMI STATE A-O31 6S-10-02
 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: 7.21°
 Magnetic Field
 Strength: 51547.5nT
 Dip Angle: 66.50°
 Date: 6/21/2025
 Model: IGRF2020

WELL DETAILS: ORIGAMI STATE A-O31 6S-10-02

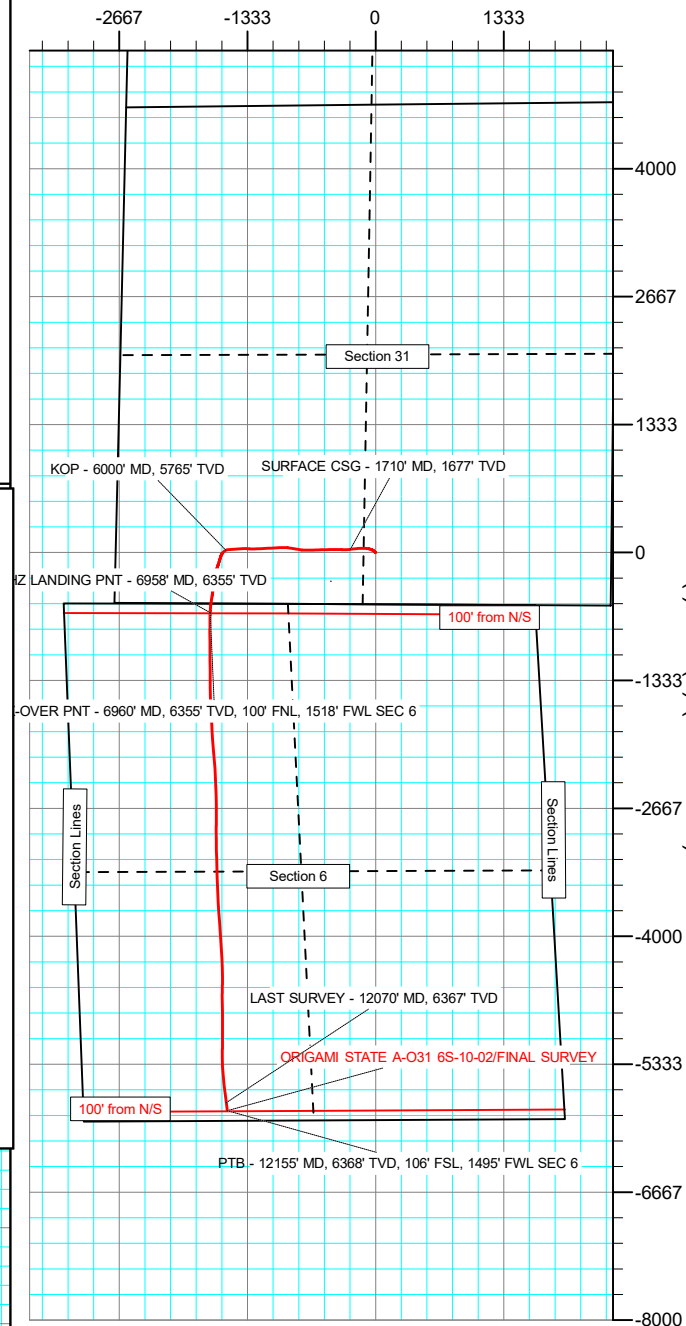
+N/-S	+E/-W	Northing	Easting	4553.00	Latitude	Longitude	Slot
0.00	0.00	1372563.99	3316080.41		40.350541°N	104.365900°W	

ANNOTATIONS

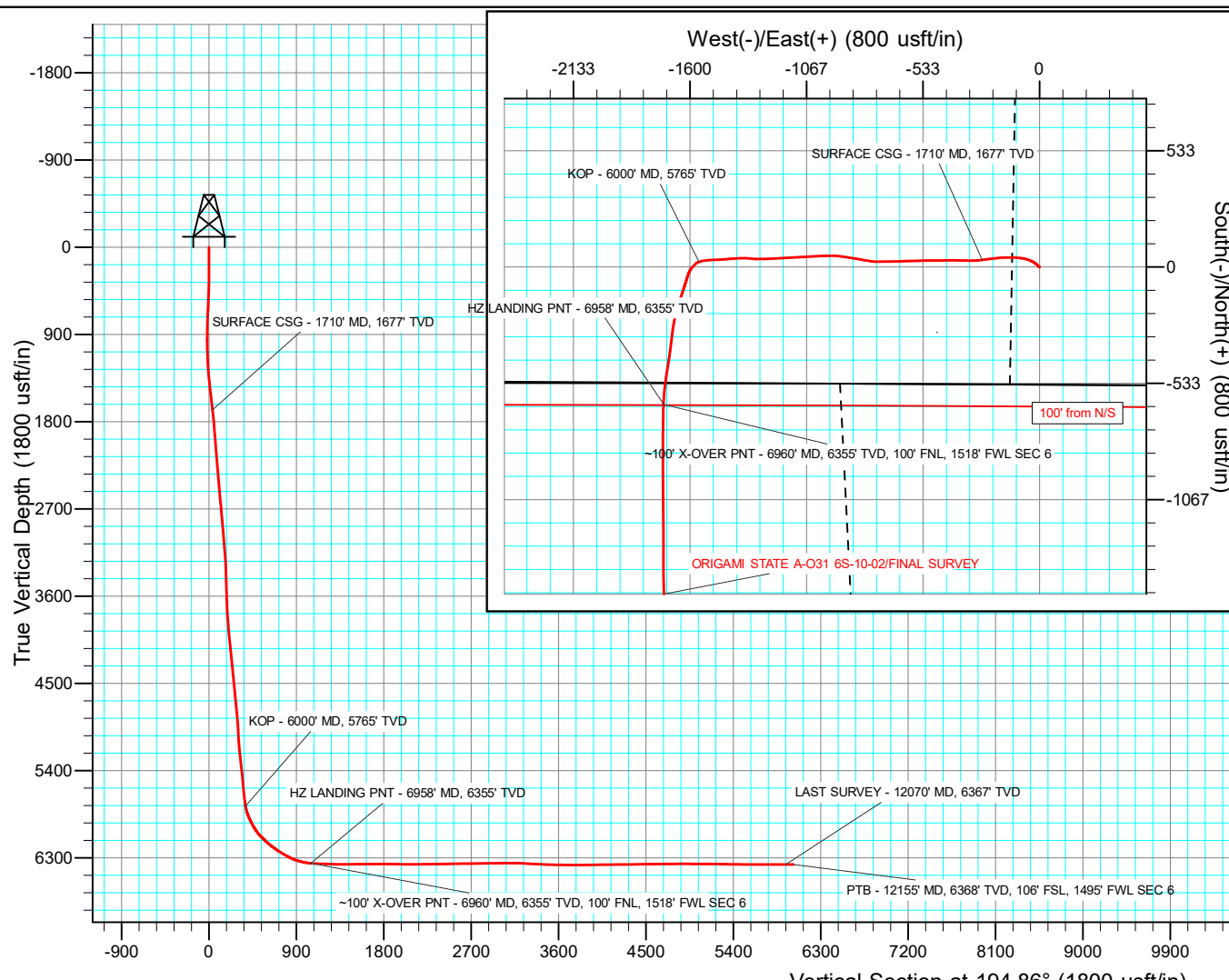
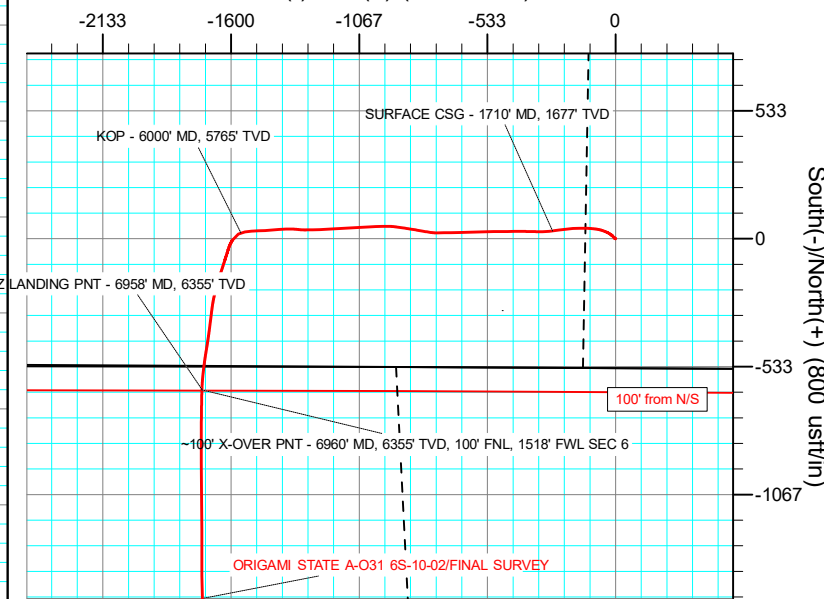
MD	Inc	Azi	TVD	+N/-S	+E/-W	Vsect	Departure	Annotation
1710.00	16.85	262.19	1677.30	32.69	-262.65	35.76	275.97	SURFACE CSG - 1710' MD, 1677' TVD
6000.00	17.76	248.46	5765.30	24.72	-1558.84	375.84	1576.79	KOP - 6000' MD, 5765' TVD
6958.00	84.84	182.37	6355.28	-627.83	-1721.34	1048.24	2263.33	HZ LANDING PNT - 6958' MD, 6355' TVD
6960.00	85.00	182.26	6355.46	-629.82	-1721.42	1050.18	2265.31	~100' X-OVER PNT - 6960' MD, 6355' TVD, 100' FNL, 1518' FWL SEC 6
12070.00	89.40	173.04	6367.46	-5732.94	-1553.63	5939.64	7374.31	LAST SURVEY - 12070' MD, 6367' TVD
12155.00	89.40	173.04	6368.35	-5817.31	-1543.33	6018.55	7459.31	PTB - 12155' MD, 6368' TVD, 106' FSL, 1495' FWL SEC 6

SHL:
 540' FSL, 2453' FEL
 Sec 31-T5N-R62W
 ~100' TPZ X-OVER PNT:
 100' FNL, 1518' FWL
 Sec 6-T5N-R62W
 ~100' BHL X-OVER PNT:
 106' FSL, 1495' FWL
 Sec 6-T5N-R62W

West(-)/East(+) (2000 usft/in)



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



Vertical Section at 194.86° (1800 usft/in)

Civitas Resources

Survey Report

Company: BONANZA CREEK ENERGY	Local Co-ordinate Reference: Well ORIGAMI STATE A-O31 6S-10-02
Project: WELD COUNTY	TVD Reference: KB 25' @ 4578.00usft
Site: SEC 31-T5N-R62W	MD Reference: KB 25' @ 4578.00usft
Well: ORIGAMI STATE A-O31 6S-10-02	North Reference: True
Wellbore: OWB	Survey Calculation Method: Minimum Curvature
Design: FINAL SURVEY	Database: EDM

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 31-T5N-R62W			
Site Position:	Northing: 1,377,287.48 usft	Latitude: 40.363420°N	
From: Lat/Long	Easting: 3,318,522.58 usft	Longitude: 104.356920°W	
Position Uncertainty: 0.00 usft	Slot Radius: 13.200 in	Grid Convergence: 0.74 °	

Well ORIGAMI STATE A-O31 6S-10-02					
Well Position	+N/-S 0.00 usft	Northing: 1,372,563.99 usft	Latitude: 40.350541°N		
	+E/-W 0.00 usft	Easting: 3,316,080.42 usft	Longitude: 104.365900°W		
Position Uncertainty	0.00 usft	Wellhead Elevation: usft	Ground Level: 4,553.00 usft		

Wellbore OWB					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2020	6/21/2025	7.21	66.50	51,547.47329074

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	194.86	

Survey Program		Date 6/24/2025
From (usft)	To (usft)	Survey (Wellbore)
124.00	1,614.00	SURFACE SURVEY (OWB)
1,760.00	12,155.00	FINAL SURVEY (OWB)
		Tool Name
		MWD OWSG
		MWD OWSG
		Description
		OWSG MWD - Standard
		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	
124.00	0.31	176.17	124.00	-0.33	0.02	0.32	0.25	0.25	0.00	
215.00	0.88	298.06	215.00	-0.25	-0.58	0.39	1.18	0.63	133.94	
305.00	1.64	300.31	304.97	0.72	-2.30	-0.11	0.85	0.84	2.50	
394.00	2.56	322.08	393.91	2.93	-4.62	-1.65	1.35	1.03	24.46	
484.00	3.67	316.35	483.78	6.60	-7.84	-4.37	1.28	1.23	-6.37	
578.00	5.79	313.66	577.45	12.06	-13.35	-8.23	2.27	2.26	-2.86	
672.00	7.20	303.88	670.85	18.61	-21.67	-12.43	1.90	1.50	-10.40	
766.00	8.35	297.53	763.99	25.05	-32.62	-15.85	1.53	1.22	-6.76	
861.00	9.72	291.01	857.81	31.12	-46.22	-18.22	1.80	1.44	-6.86	

Civitas Resources

Survey Report

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Site:	SEC 31-T5N-R62W	MD Reference:	KB 25' @ 4578.00usft
Well:	ORIGAMI STATE A-O31 6S-10-02	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

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)
955.00	10.74	285.90	950.32	36.36	-62.05	-19.23	1.45	1.09	-5.44
1,049.00	12.37	277.79	1,042.41	40.13	-80.45	-18.15	2.44	1.73	-8.63
1,143.00	13.70	274.97	1,133.99	42.45	-101.52	-15.00	1.57	1.41	-3.00
1,237.00	15.16	271.36	1,225.02	43.71	-124.90	-10.22	1.82	1.55	-3.84
1,331.00	16.92	269.64	1,315.36	43.92	-150.87	-3.76	1.94	1.87	-1.83
1,425.00	17.59	265.05	1,405.14	42.60	-178.70	4.64	1.61	0.71	-4.88
1,519.00	17.68	263.60	1,494.72	39.79	-207.03	14.63	0.48	0.10	-1.54
1,614.00	16.88	262.54	1,585.43	36.39	-235.05	25.10	0.90	-0.84	-1.12
1,710.00	16.85	262.19	1,677.30	32.69	-262.65	35.76	0.11	-0.03	-0.36
SURFACE CSG - 1710' MD, 1677' TVD									
1,760.00	16.84	262.01	1,725.15	30.70	-277.01	41.36	0.11	-0.03	-0.36
1,853.00	18.16	271.44	1,813.87	29.19	-304.84	49.96	3.36	1.42	10.14
1,948.00	17.32	270.21	1,904.35	29.61	-333.78	56.97	0.97	-0.88	-1.29
2,041.00	19.22	271.71	1,992.66	30.12	-362.93	63.95	2.10	2.04	1.61
2,135.00	18.03	270.34	2,081.73	30.67	-392.94	71.12	1.35	-1.27	-1.46
2,229.00	17.15	268.67	2,171.34	30.43	-421.35	78.63	1.08	-0.94	-1.78
2,323.00	18.78	270.78	2,260.75	30.32	-450.33	86.18	1.87	1.73	2.24
2,417.00	17.63	269.28	2,350.05	30.34	-479.70	93.68	1.32	-1.22	-1.60
2,511.00	16.66	268.54	2,439.87	29.82	-507.40	101.29	1.06	-1.03	-0.79
2,605.00	18.21	269.33	2,529.55	29.31	-535.56	109.01	1.67	1.65	0.84
2,699.00	17.99	268.23	2,618.90	28.69	-564.76	117.09	0.43	-0.23	-1.17
2,793.00	17.68	268.23	2,708.38	27.80	-593.53	125.33	0.33	-0.33	0.00
2,888.00	16.57	267.43	2,799.16	26.74	-621.49	133.52	1.19	-1.17	-0.84
2,983.00	17.41	268.76	2,890.02	25.83	-649.23	141.51	0.97	0.88	1.40
3,110.00	16.08	269.28	3,011.63	25.20	-685.81	151.51	1.05	-1.05	0.41
3,204.00	17.94	269.64	3,101.51	24.94	-713.31	158.80	1.98	1.98	0.38
3,299.00	16.31	268.54	3,192.30	24.51	-741.28	166.39	1.75	-1.72	-1.16
3,394.00	18.16	278.36	3,283.05	26.32	-769.27	171.82	3.62	1.95	10.34
3,489.00	17.68	279.99	3,373.44	30.98	-798.12	174.72	0.73	-0.51	1.72
3,583.00	17.90	279.73	3,462.95	35.90	-826.42	177.22	0.25	0.23	-0.28
3,678.00	18.29	279.16	3,553.25	40.74	-855.52	180.01	0.45	0.41	-0.60
3,773.00	18.47	278.14	3,643.40	45.24	-885.14	183.25	0.39	0.19	-1.07
3,868.00	17.19	278.23	3,733.84	49.38	-913.93	186.63	1.35	-1.35	0.09
3,962.00	17.99	270.39	3,823.45	51.47	-942.20	191.86	2.66	0.85	-8.34
4,057.00	16.48	270.08	3,914.18	51.59	-970.34	198.96	1.59	-1.59	-0.33
4,152.00	17.81	267.39	4,004.96	50.94	-998.33	206.76	1.63	1.40	-2.83
4,246.00	18.74	266.38	4,094.22	49.34	-1,027.76	215.86	1.05	0.99	-1.07
4,341.00	17.68	266.68	4,184.46	47.54	-1,057.40	225.20	1.12	-1.12	0.32
4,435.00	19.00	266.77	4,273.68	45.85	-1,086.92	234.40	1.40	1.40	0.10
4,530.00	16.39	267.26	4,364.18	44.34	-1,115.76	243.26	2.75	-2.75	0.52
4,625.00	17.99	266.16	4,454.94	42.71	-1,143.78	252.01	1.72	1.68	-1.16
4,719.00	18.96	268.18	4,544.09	41.26	-1,173.53	261.05	1.24	1.03	2.15
4,814.00	16.44	266.16	4,634.59	39.87	-1,202.38	269.79	2.73	-2.65	-2.13

Civitas Resources

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well ORIGAMI STATE A-O31 6S-10-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4578.00usft
Site:	SEC 31-T5N-R62W	MD Reference:	KB 25' @ 4578.00usft
Well:	ORIGAMI STATE A-O31 6S-10-02	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

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)	
4,909.00	18.03	267.08	4,725.32	38.22	-1,230.47	278.59	1.70	1.67	0.97	
5,003.00	18.34	269.06	4,814.63	37.23	-1,259.79	287.06	0.74	0.33	2.11	
5,097.00	17.45	269.24	4,904.08	36.80	-1,288.67	294.88	0.95	-0.95	0.19	
5,192.00	15.82	276.42	4,995.11	38.06	-1,315.78	300.62	2.76	-1.72	7.56	
5,286.00	17.54	273.51	5,085.15	40.36	-1,342.66	305.28	2.03	1.83	-3.10	
5,380.00	17.99	268.01	5,174.67	40.73	-1,371.30	312.28	1.85	0.48	-5.85	
5,474.00	18.12	265.10	5,264.05	38.97	-1,400.38	321.43	0.97	0.14	-3.10	
5,569.00	17.81	264.08	5,354.42	36.21	-1,429.55	331.58	0.46	-0.33	-1.07	
5,663.00	18.21	267.52	5,443.81	34.09	-1,458.52	341.05	1.21	0.43	3.66	
5,756.00	17.15	268.14	5,532.42	33.02	-1,486.74	349.33	1.16	-1.14	0.67	
5,851.00	17.28	265.58	5,623.16	31.48	-1,514.81	358.02	0.81	0.14	-2.69	
5,945.00	17.54	263.34	5,712.86	28.76	-1,542.80	367.82	0.76	0.28	-2.38	
6,000.00	17.76	248.46	5,765.30	24.72	-1,558.84	375.84	8.19	0.39	-27.05	
KOP - 6000' MD, 5765' TVD										
6,039.00	18.56	238.53	5,802.36	19.29	-1,569.67	383.86	8.19	2.06	-25.47	
6,133.00	25.67	213.89	5,889.58	-5.50	-1,593.86	414.03	12.29	7.56	-26.21	
6,227.00	29.03	196.97	5,973.18	-44.29	-1,611.90	456.15	8.97	3.57	-18.00	
6,321.00	40.17	197.72	6,050.44	-95.14	-1,627.84	509.39	11.86	11.85	0.80	
6,415.00	46.97	198.07	6,118.50	-156.76	-1,647.75	574.04	7.24	7.23	0.37	
6,509.00	52.36	193.66	6,179.34	-225.65	-1,667.21	645.63	6.76	5.73	-4.69	
6,603.00	57.58	186.79	6,233.32	-301.33	-1,680.71	722.24	8.16	5.55	-7.31	
6,697.00	61.29	187.45	6,281.11	-381.63	-1,690.75	802.42	3.99	3.95	0.70	
6,792.00	70.00	189.48	6,320.26	-467.13	-1,703.53	888.35	9.37	9.17	2.14	
6,887.00	79.23	186.31	6,345.44	-557.76	-1,716.04	979.15	10.23	9.72	-3.34	
6,958.00	84.84	182.37	6,355.28	-627.83	-1,721.34	1,048.24	9.62	7.90	-5.55	
HZ LANDING PNT - 6958' MD, 6355' TVD										
6,960.00	85.00	182.26	6,355.46	-629.82	-1,721.42	1,050.18	9.62	7.92	-5.48	
-100' X-OVER PNT - 6960' MD, 6355' TVD, 100' FNL, 1518' FWL SEC 6										
6,981.00	86.66	181.11	6,356.98	-650.75	-1,722.04	1,070.58	9.62	7.93	-5.47	
7,076.00	88.16	180.66	6,361.28	-745.64	-1,723.50	1,162.67	1.65	1.58	-0.47	
7,170.00	88.16	180.22	6,364.30	-839.59	-1,724.22	1,253.66	0.47	0.00	-0.47	
7,264.00	89.79	179.43	6,365.98	-933.57	-1,723.94	1,344.42	1.93	1.73	-0.84	
7,359.00	90.77	179.34	6,365.51	-1,028.56	-1,722.92	1,435.98	1.04	1.03	-0.09	
7,453.00	90.10	179.74	6,364.80	-1,122.56	-1,722.16	1,526.64	0.83	-0.71	0.43	
7,547.00	90.19	179.56	6,364.56	-1,216.56	-1,721.59	1,617.34	0.21	0.10	-0.19	
7,641.00	90.72	180.27	6,363.81	-1,310.55	-1,721.45	1,708.16	0.94	0.56	0.76	
7,736.00	89.97	179.87	6,363.24	-1,405.55	-1,721.57	1,800.01	0.89	-0.79	-0.42	
7,831.00	88.95	177.36	6,364.14	-1,500.51	-1,719.27	1,891.21	2.85	-1.07	-2.64	
7,925.00	89.62	177.49	6,365.31	-1,594.41	-1,715.05	1,980.88	0.73	0.71	0.14	
8,018.00	89.84	176.70	6,365.75	-1,687.28	-1,710.33	2,069.45	0.88	0.24	-0.85	
8,112.00	90.41	177.18	6,365.54	-1,781.15	-1,705.32	2,158.89	0.79	0.61	0.51	
8,207.00	90.72	176.70	6,364.61	-1,876.01	-1,700.24	2,249.27	0.60	0.33	-0.51	
8,301.00	90.68	176.35	6,363.46	-1,969.83	-1,694.55	2,338.50	0.37	-0.04	-0.37	
8,396.00	90.41	175.29	6,362.56	-2,064.57	-1,687.62	2,428.29	1.15	-0.28	-1.12	

Civitas Resources

Survey Report

Company:	BONANZA CREEK ENERGY	Local Co-ordinate Reference:	Well ORIGAMI STATE A-O31 6S-10-02
Project:	WELD COUNTY	TVD Reference:	KB 25' @ 4578.00usft
Site:	SEC 31-T5N-R62W	MD Reference:	KB 25' @ 4578.00usft
Well:	ORIGAMI STATE A-O31 6S-10-02	North Reference:	True
Wellbore:	OWB	Survey Calculation Method:	Minimum Curvature
Design:	FINAL SURVEY	Database:	EDM

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)	
8,489.00	90.77	175.02	6,361.60	-2,157.23	-1,679.77	2,515.84	0.48	0.39	-0.29	
8,584.00	91.47	175.24	6,359.74	-2,251.87	-1,671.71	2,605.25	0.77	0.74	0.23	
8,678.00	90.54	178.02	6,358.09	-2,345.68	-1,666.18	2,694.51	3.12	-0.99	2.96	
8,772.00	90.94	177.80	6,356.88	-2,439.61	-1,662.75	2,784.42	0.49	0.43	-0.23	
8,867.00	90.28	178.51	6,355.87	-2,534.56	-1,659.70	2,875.40	1.02	-0.69	0.75	
8,961.00	91.21	178.33	6,354.64	-2,628.51	-1,657.10	2,965.55	1.01	0.99	-0.19	
9,055.00	89.35	180.97	6,354.18	-2,722.50	-1,656.53	3,056.25	3.44	-1.98	2.81	
9,149.00	90.68	180.53	6,354.16	-2,816.49	-1,657.76	3,147.41	1.49	1.41	-0.47	
9,244.00	86.26	180.05	6,356.70	-2,911.43	-1,658.24	3,239.30	4.68	-4.65	-0.51	
9,339.00	87.58	179.34	6,361.80	-3,006.29	-1,657.74	3,330.86	1.58	1.39	-0.75	
9,433.00	86.96	178.64	6,366.28	-3,100.16	-1,656.08	3,421.17	0.99	-0.66	-0.74	
9,528.00	88.91	178.24	6,369.70	-3,195.06	-1,653.50	3,512.23	2.10	2.05	-0.42	
9,622.00	88.64	178.73	6,371.71	-3,289.01	-1,651.01	3,602.40	0.60	-0.29	0.52	
9,716.00	90.23	177.80	6,372.64	-3,382.96	-1,648.17	3,692.48	1.96	1.69	-0.99	
9,811.00	89.31	177.76	6,373.02	-3,477.88	-1,644.49	3,783.29	0.97	-0.97	-0.04	
9,905.00	90.85	177.67	6,372.89	-3,571.81	-1,640.74	3,873.11	1.64	1.64	-0.10	
9,999.00	90.77	176.92	6,371.56	-3,665.69	-1,636.30	3,962.72	0.80	-0.09	-0.80	
10,093.00	90.85	176.04	6,370.23	-3,759.50	-1,630.53	4,051.91	0.94	0.09	-0.94	
10,188.00	90.59	175.11	6,369.04	-3,854.21	-1,623.20	4,141.58	1.02	-0.27	-0.98	
10,282.00	90.23	177.49	6,368.36	-3,948.01	-1,617.14	4,230.68	2.56	-0.38	2.53	
10,376.00	90.81	176.04	6,367.51	-4,041.85	-1,611.83	4,320.02	1.66	0.62	-1.54	
10,470.00	90.85	175.46	6,366.15	-4,135.58	-1,604.87	4,408.83	0.62	0.04	-0.62	
10,564.00	90.41	178.11	6,365.11	-4,229.42	-1,599.60	4,498.18	2.86	-0.47	2.82	
10,658.00	91.30	176.96	6,363.71	-4,323.32	-1,595.55	4,587.91	1.55	0.95	-1.22	
10,753.00	90.06	180.27	6,362.58	-4,418.27	-1,593.26	4,679.09	3.72	-1.31	3.48	
10,848.00	90.59	180.80	6,362.04	-4,513.26	-1,594.15	4,771.14	0.79	0.56	0.56	
10,941.00	90.85	181.77	6,360.88	-4,606.23	-1,596.23	4,861.53	1.08	0.28	1.04	
11,035.00	88.42	177.76	6,361.48	-4,700.20	-1,595.85	4,952.26	4.99	-2.59	-4.27	
11,130.00	89.88	178.99	6,362.88	-4,795.15	-1,593.15	5,043.35	2.01	1.54	1.29	
11,224.00	90.15	180.09	6,362.86	-4,889.14	-1,592.40	5,134.00	1.20	0.29	1.17	
11,318.00	89.22	179.78	6,363.38	-4,983.14	-1,592.29	5,224.83	1.04	-0.99	-0.33	
11,412.00	89.04	179.96	6,364.80	-5,077.13	-1,592.08	5,315.62	0.27	-0.19	0.19	
11,505.00	89.35	182.21	6,366.11	-5,170.10	-1,593.84	5,405.93	2.44	0.33	2.42	
11,599.00	89.17	179.25	6,367.32	-5,264.07	-1,595.04	5,497.07	3.15	-0.19	-3.15	
11,693.00	89.66	177.36	6,368.28	-5,358.02	-1,592.26	5,587.17	2.08	0.52	-2.01	
11,788.00	90.99	174.72	6,367.75	-5,452.78	-1,585.70	5,677.08	3.11	1.40	-2.78	
11,882.00	89.75	173.53	6,367.14	-5,546.28	-1,576.08	5,764.99	1.83	-1.32	-1.27	
11,976.00	90.23	173.00	6,367.16	-5,639.64	-1,565.05	5,852.39	0.76	0.51	-0.56	
12,070.00	89.40	173.04	6,367.46	-5,732.94	-1,553.63	5,939.64	0.88	-0.88	0.04	
LAST SURVEY - 12070' MD, 6367' TVD										
12,155.00	89.40	173.04	6,368.35	-5,817.31	-1,543.33	6,018.55	0.00	0.00	0.00	
PTB - 12155' MD, 6368' TVD, 106' FSL, 1495' FWL SEC 6										

Civitas Resources

Survey Report

Company: BONANZA CREEK ENERGY	Local Co-ordinate Reference: Well ORIGAMI STATE A-O31 6S-10-02
Project: WELD COUNTY	TVD Reference: KB 25' @ 4578.00usft
Site: SEC 31-T5N-R62W	MD Reference: KB 25' @ 4578.00usft
Well: ORIGAMI STATE A-O31 6S-10-02	North Reference: True
Wellbore: OWB	Survey Calculation Method: Minimum Curvature
Design: FINAL SURVEY	Database: EDM

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-ORIGAMI STATE A-C	0.00	0.00	6,370.00	-629.82	-1,749.60	1,371,911.87	3,314,339.09	40.348812°N	104.372177°W
- actual wellpath misses target center by 31.63usft at 6961.88usft MD (6355.62 TVD, -631.69 N, -1721.49 E)									
- Point									
PBHL-ORIGAMI STATE	0.00	0.00	6,370.00	-5,823.40	-1,548.13	1,366,721.51	3,314,606.96	40.334556°N	104.371453°W
- actual wellpath misses target center by 7.93usft at 12155.00usft MD (6368.35 TVD, -5817.31 N, -1543.33 E)									
- Point									

Design Annotations					
	Measured	Vertical	Local Coordinates		Comment
	Depth	Depth	+N/-S	+E/-W	
	(usft)	(usft)	(usft)	(usft)	
	1,710.00	1,677.30	32.69	-262.65	SURFACE CSG - 1710' MD, 1677' TVD
	6,000.00	5,765.30	24.72	-1,558.84	KOP - 6000' MD, 5765' TVD
	6,958.00	6,355.28	-627.83	-1,721.34	HZ LANDING PNT - 6958' MD, 6355' TVD
	6,960.00	6,355.46	-629.82	-1,721.42	~100' X-OVER PNT - 6960' MD, 6355' TVD, 100' FNL, 1518' FWL SEC 6
	12,070.00	6,367.46	-5,732.94	-1,553.63	LAST SURVEY - 12070' MD, 6367' TVD
	12,155.00	6,368.35	-5,817.31	-1,543.33	PTB - 12155' MD, 6368' TVD, 106' FSL, 1495' FWL SEC 6

Checked By: _____	Approved By: _____	Date: _____
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