



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S20-25-3N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S20-25-3N/Wellbore #1)
Patterson 901

PROJECT DETAILS: Weld County, CO (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Ground Level
Local North: True

WELL DETAILS: Livingston S20-25-3N

Ground Elevation:: 5329.20
RKB Elevation: KB @ 5358.20usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.48	3129164.48	39.978560	-105.039094

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1592.00	25.93	32.28	1550.27	241.20	153.50	-207.51	286.72	Tie into Surface Surveys
1663.00	26.56	31.03	1613.96	267.93	169.97	-230.61	318.11	First MWD Survey @ 1663' MD
8644.79	29.98	181.71	7606.99	2980.19	1812.94	-2579.82	3688.25	30° Inclination @ 8644.79' MD
9073.77	70.00	178.85	7884.72	2664.85	1805.08	-2271.77	4003.95	70° Inclination @ 9073.77' MD
14076.58	90.33	180.42	7979.37	-2326.00	1817.53	2629.89	8995.59	Cross @ 14076.58' MD
19346.93	91.05	180.38	8038.98	-7594.00	1864.33	7810.15	14264.85	Cross @ 19346.93' MD
21400.00	92.40	177.33	8053.03	-9645.04	1886.00	9827.69	16316.98	Last MWD Survey @ 21400' MD
21485.00	92.40	177.33	8049.47	-9729.87	1889.95	9911.73	16401.91	Projection to TD @ 21485' MD 2136' FNL/ 579.5' FWL

SHL/ 2330' FSL & 1240' FEL
LP/ 480' FNL & 598' FWL
BHL/ 2185' FNL & 552' FWL
Ground Elevation 5329.2'

