



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S19-25-12N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S19-25-12N/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 S19-25-12N

Ground Elevation:: 5324.30
RKB Elevation: KB @ 5353.30usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.37	3129074.25	39.978561	-105.039416

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1559.00	7.87	17.34	1557.96	19.74	8.26	-19.63	35.29	Tie into Surface Surveys
1663.00	9.63	19.29	1660.75	34.75	13.26	-34.58	51.11	First MWD Survey @ 1663' MD
7749.16	30.00	182.23	7679.90	613.70	217.64	-610.80	877.36	30° Inclination @ 7749.16' MD
8145.93	70.00	177.02	7939.45	324.08	219.31	-321.17	1166.55	70° Inclination @ 8145.93' MD
10804.87	89.56	179.07	7963.59	-2329.00	171.05	2331.04	3820.71	Cross @ 10804.87' MD
16078.91	89.58	178.98	8006.51	-7598.00	116.59	7598.88	9093.23	Cross @ 16078.91' MD
20783.00	91.16	178.20	8071.84	-12298.12	160.22	12299.16	13794.62	Last MWD Survey @ 20783' MD
20849.00	91.16	178.20	8070.50	-12364.07	162.29	12365.14	13860.61	Projection to TD @ 20849' MD 511.5' FSL/ 1242' FEL

SHL/ 2331' FSL & 1330' FEL
LP/ 2473' FSL & 1118' FEL
BHL/ 460' FSL & 1243' FEL
Ground Elevation 5324.3'

