



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S19-25-13N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S19-25-13N/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 S19-25-13N

Ground Elevation:: 5325.30
RKB Elevation: KB @ 5354.30usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.45	3129092.46	39.978561	-105.039351

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1567.00	5.80	31.40	1566.55	14.18	4.60	-13.99	26.36	Tie into Surface Surveys
1663.00	7.38	35.86	1661.91	23.32	10.74	-22.87	37.38	First MWD Survey @ 1663' MD
7832.79	30.00	190.51	7745.52	650.57	507.83	-629.81	999.83	30° Inclination @ 7832.79' MD
8265.18	70.00	178.36	8013.39	322.64	508.05	-302.12	1327.30	70° Inclination @ 8265.18' MD
10923.44	89.27	177.72	8062.91	-2329.00	519.37	2347.86	3980.93	Cross @ 10923.44' MD
16194.98	89.78	177.66	8102.11	-7597.00	496.54	7610.76	9252.10	Cross @ 16194.98' MD
20933.00	90.28	174.90	8134.00	-12332.23	490.36	12341.97	13989.83	Last MWD Survey @ 20933' MD
20970.00	90.28	174.90	8133.82	-12369.08	493.65	12378.93	14026.83	Projection to TD @ 20970' MD 507.5' FSL/ 893' FEL

SHL/ 2331' FSL & 1312' FEL
LP/ 2480' FSL & 788' FEL
BHL/ 460' FSL & 913' FEL
Ground Elevation 5325.3'

