



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S19-25-11C
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S19-25-11C/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 S19-25-11C

Ground Elevation:: 5323.60
RKB Elevation: KB @ 5352.60usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.28	3129056.31	39.978561	-105.039480

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1560.00	7.60	351.32	1558.38	33.87	-5.99	-33.83	43.45	Tie into Surface Surveys
1764.00	8.13	349.23	1760.46	61.38	-10.72	-61.30	71.37	First MWD Survey @ 1764' MD
8147.29	30.00	183.58	8084.91	604.92	-109.08	-604.07	839.00	30° Inclination @ 8147.29' MD
8482.56	70.00	180.01	8308.95	364.83	-114.85	-363.94	1079.29	70° Inclination @ 8482.56' MD
11180.91	88.94	180.42	8311.23	-2330.00	-98.02	2330.68	3773.66	Cross @ 11180.91' MD
16451.28	88.73	179.22	8359.03	-7598.50	-139.39	7599.34	9043.05	Cross @ 16451.28' MD
21166.00	89.17	173.62	8377.88	-12310.84	-101.57	12311.25	13757.03	Last MWD Survey @ 21166' MD
21226.00	89.17	173.62	8378.75	-12370.46	-94.91	12370.82	13817.02	Projection to TD @ 21226' MD 506' FSL/ 1517' FEL

SHL/ 2331' FSL & 1348' FEL
LP/ 2466' FSL & 1449' FEL
BHL/ 460' FSL & 1573' FEL
Ground Elevation 5323.6'

