



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S19-25-03N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S19-25-03N/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 S19-25-03N

Ground Elevation:: 5317.40
RKB Elevation: KB @ 5346.40usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.62	3128912.54	39.978564	-105.039993

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1583.00	24.08	286.02	1542.98	74.13	-267.06	-16.66	278.59	Tie into Surface Surveys
1667.00	24.26	286.61	1619.61	83.80	-300.07	-19.20	312.98	First MWD Survey @ 1667' MD
8323.97	29.96	193.24	7751.96	599.92	-2628.10	-37.14	2792.31	30° Inclination @ 8323.97' MD
8680.10	70.00	181.15	7980.62	337.78	-2652.31	224.27	3055.28	70° Inclination @ 8680.10' MD
11361.15	89.56	179.23	7992.09	-2337.00	-2582.24	2825.27	5731.87	Cross @ 11361.15' MD
16627.77	90.26	179.00	7995.82	-7603.00	-2627.05	7984.24	10998.42	Cross @ 16627.77' MD
21308.00	88.51	180.76	8054.34	-12282.24	-2643.83	12563.56	15678.08	Last MWD Survey @ 21308' MD
21396.00	88.51	180.76	8056.63	-12370.20	-2644.99	12649.82	15766.05	Projection to TD @ 21396' MD 510' FSL/ 974' FWL

SHL/ 2332' FSL & 1492' FEL
LP/ 2467' FSL & 1003' FWL
BHL/ 460' FSL & 971' FWL
Ground Elevation 5317.4'

