



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S19-25-06N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S19-25-06N/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 S19-25-06N

Ground Elevation:: 5319.90
RKB Elevation: KB @ 5348.90usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.52	3128966.35	39.978563	-105.039801

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1581.00	17.31	292.96	1563.43	58.92	-147.87	-38.17	167.07	Tie into Surface Surveys
1670.00	17.32	292.78	1648.40	69.22	-172.28	-45.04	193.56	First MWD Survey @ 1670' MD
7902.00	29.91	173.57	7621.31	609.82	-1655.15	-378.06	1906.31	30° Inclination @ 7902' MD
8429.20	70.00	180.07	7947.36	210.38	-1676.97	20.63	2306.75	70° Inclination @ 8429.2' MD
10978.84	90.02	179.29	7993.11	-2335.00	-1642.09	2537.39	4852.22	Cross @ 10978.84' MD
16246.87	89.26	181.05	8002.35	-7602.00	-1618.84	7751.86	10120.06	Cross @ 16246.87' MD
20934.00	90.10	180.89	8058.37	-12287.51	-1703.45	12405.02	14806.55	Last MWD Survey @ 20934' MD
21011.00	90.10	180.89	8058.23	-12364.50	-1704.65	12481.45	14883.55	Projection to TD @ 21011' MD 512' FSL/ 1968' FWL

SHL/ 2332' FSL & 1438' FEL
LP/ 2449' FSL & 1994' FWL
BHL/ 460' FSL & 1961' FWL
Ground Elevation 5319.9'

