



Extraction Oil & Gas
Project: Weld County, CO (NAD83)
Site: Sec 07-T01S-R68W Livingston Pad
Well: Livingston S20-25-4N
Wellbore: Wellbore #1
Design: Wellbore #1 (Livingston S20-25-4N/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 S20-25-4N

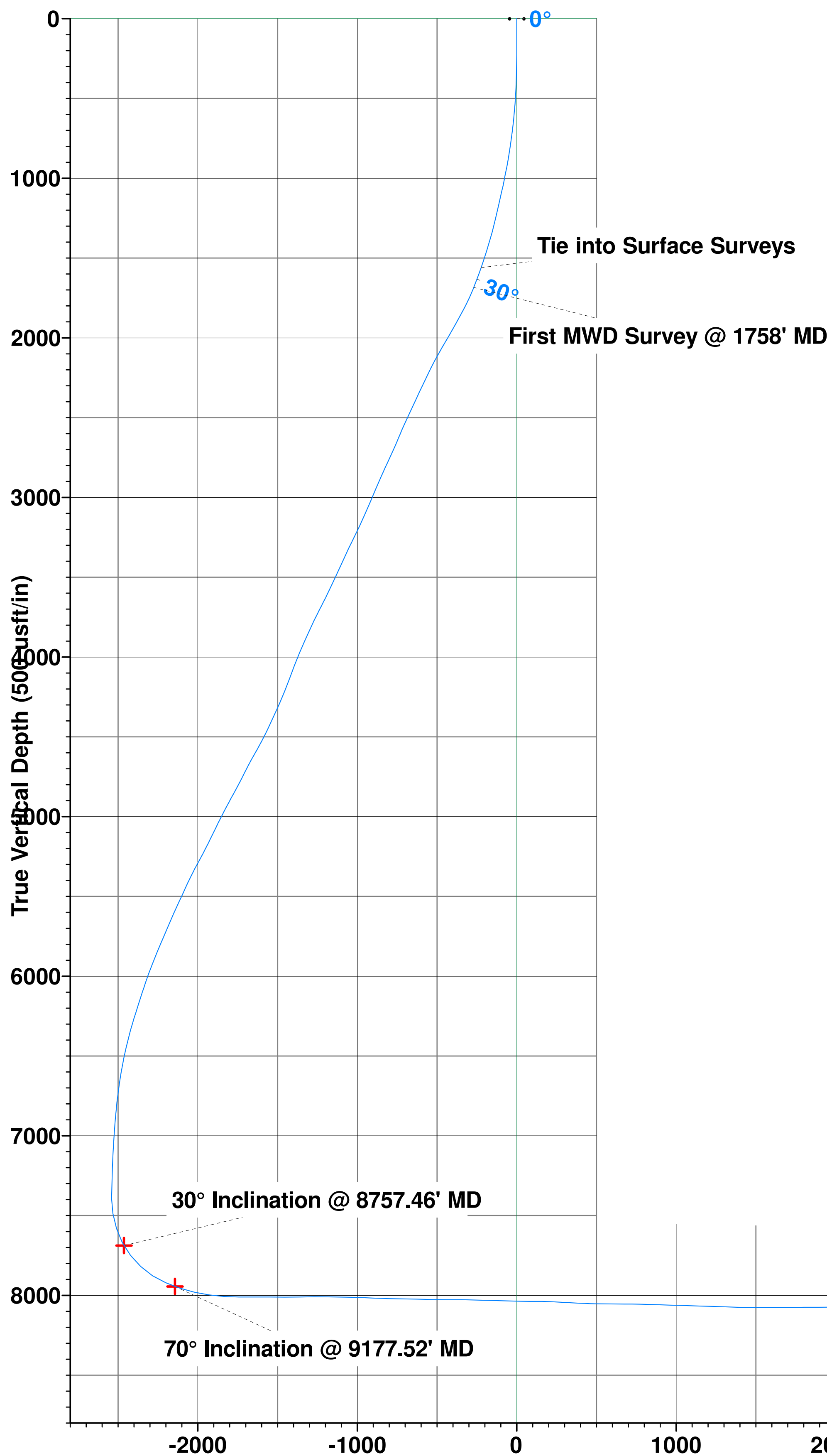
Ground Elevation:: 5330.30
RKB Elevation: KB @ 5359.30usft (Patterson 901)
Rig Name: Patterson 901

Northing	Easting	Latitude	Longitude
1235372.56	3129182.42	39.978560	-105.039030

ANNOTATIONS

MD	Inc	Azi	TVD	+N/-S	+E/-W	VSect	Departure	Annotation
1615.00	28.26	36.85	1559.95	272.51	198.71	-223.40	338.09	Tie into Surface Surveys
1758.00	31.24	37.33	1684.08	329.10	241.51	-269.46	409.04	First MWD Survey @ 1758' MD
8757.46	30.00	169.24	7687.98	2977.03	2064.24	-2463.37	3779.68	30° Inclination @ 8757.46' MD
9177.52	69.98	174.98	7944.15	2659.51	2110.39	-2143.36	4099.71	70° Inclination @ 9177.52' MD
14172.73	89.85	179.89	8071.43	-2325.00	2123.26	2727.26	9085.96	Cross @ 14172.73' MD
19444.02	90.20	181.30	8085.20	-7594.00	2145.31	7877.69	14356.12	Cross @ 19444.02' MD
21496.00	91.87	178.17	8105.91	-9645.09	2140.93	9879.83	16407.64	Last MWD Survey @ 21496' MD
21585.00	91.87	178.17	8103.00	-9734.00	2143.77	9967.27	16496.60	Projection to TD @ 21585' MD 2141' FNL/ 851' FWL

SHL/ 2330' FSL & 1222' FEL
LP/ 480' FNL & 888' FWL
BHL/ 2186' FNL & 842' FWL
Ground Elevation 5330.3'



Vertical Section at 167.58° (500 usft/in)

