



Directional Survey Report

Company Name: Extraction Oil & Gas

Well Name: Interchange B S22-30-18N

Field: Wattenberg

Rig ID: Ensign #147

State/Prov: Colorado

County: Broomfield

Location: Interchange B

API/UWI: 05-014-20781

Survey Company: Atlas Drilling Services

Job Number: 000259EX-CO

Latitude: 39.978186

Longitude: -104.991032

Proposed Azimuth: 166.86

Declination: 8.05

North Reference: True

KB: 28'

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	DLS	Temp
Tiein	0	0	0	0	0	0	0	0	-9999
1	129	0.40	85.87	129.00	0.03	0.45	0.07	0.31	-9999
2	221	0.53	33.34	221.00	0.41	1.00	-0.17	0.46	-9999
3	312	1.55	43	311.98	1.66	2.07	-1.15	1.13	-9999
4	402	3.14	42.20	401.90	4.38	4.56	-3.23	1.77	-9999
5	492	4.95	51.37	491.67	8.63	9.25	-6.30	2.13	-9999
6	581	6.54	38.81	580.23	14.98	15.43	-11.08	2.27	-9999
7	670	7.78	38.85	668.53	23.62	22.38	-17.91	1.39	-9999
8	760	9.50	45.55	757.51	33.56	31.51	-25.52	2.21	-9999
9	850	12.24	49.69	845.89	44.94	44.09	-33.74	3.16	-9999
10	939	15.42	38.10	932.31	60.36	58.59	-45.46	4.72	-9999
11	1029	18.16	36.12	1,018.47	81.11	74.24	-62.11	3.11	-9999
12	1118	20.15	38.46	1,102.54	104.32	91.95	-80.68	2.40	-9999
13	1208	20.68	38.94	1,186.89	128.82	111.58	-100.08	0.62	-9999
14	1297	20.95	38.59	1,270.08	153.48	131.38	-119.59	0.33	-9999
15	1386	21.30	39.78	1,353.10	178.34	151.65	-139.19	0.62	-9999
16	1475	21.26	43.26	1,436.03	202.51	173.05	-157.87	1.42	-9999
17	1565	22.23	40.70	1,519.63	227.30	195.34	-176.95	1.51	-9999
18	1612	22.05	40.97	1,563.16	240.71	206.92	-187.36	0.44	-9999
PTB	1671	22.05	40.97	1,617.85	257.43	221.44	-200.35	0	0