



Interchange A S22-30-06N

Directional Survey Report

Start date: 09/22/2019

End date:

Company: Extraction Oil & Gas
Well Name: Interchange A S22-30-06N

State/Prov: Colorado
County: Broomfield
Country: US

Survey Company: Atlas Drilling Services
Job Number:

Field: Wattenberg

Declination: 8.05

Proposed Azimuth: 177.29

Elevations KB: 28'

Rig ID: Ensign #147

North Reference: True

DF: 5264

API/UWI: 05-014-20761

Location: Interchange A

Latitude/Longitude: 39.980263 / -104.993162

GL: 5236

Svy	Depth	Inc	Azm	TVD	NS	EW	VS	CD	CA	DLS	CL
TieIn	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	
1	123.00	1.77	75.16	122.98	0.49	1.84	-0.40	1.90	75.16	1.44	123.00
2	215.00	1.41	74.02	214.94	1.16	4.30	-0.96	4.45	74.87	0.39	92.00
3	307.00	0.31	23.43	306.93	1.70	5.49	-1.44	5.74	72.76	1.34	92.00
4	396.00	0.53	286.47	395.93	2.04	5.19	-1.79	5.57	68.53	0.73	89.00
5	486.00	0.71	287.39	485.93	2.32	4.25	-2.12	4.85	61.35	0.20	90.00
6	575.00	1.41	260.47	574.91	2.31	2.65	-2.18	3.51	48.93	0.94	89.00
7	665.00	1.68	264.74	664.88	2.00	0.24	-1.99	2.02	6.91	0.33	90.00
8	754.00	1.59	228.17	753.84	1.06	-1.98	-1.15	2.24	298.22	1.16	89.00
9	844.00	0.66	198.82	843.83	-0.26	-3.07	0.12	3.09	265.11	1.18	90.00
10	933.00	0.97	189.74	932.82	-1.49	-3.37	1.33	3.68	246.12	0.38	89.00
11	1,023.00	0.40	63.84	1,022.81	-2.10	-3.21	1.95	3.84	236.80	1.39	90.00
12	1,112.00	1.90	10.43	1,111.80	-0.51	-2.67	0.39	2.72	259.08	1.90	89.00
13	1,202.00	3.93	8.05	1,201.67	4.01	-1.97	-4.10	4.46	333.87	2.26	90.00
14	1,291.00	6.01	7.77	1,290.33	11.64	-0.91	-11.67	11.68	355.54	2.34	89.00
15	1,380.00	8.57	9.06	1,378.61	22.81	0.77	-22.75	22.82	1.92	2.88	89.00
16	1,469.00	11.18	11.58	1,466.28	37.81	3.54	-37.60	37.98	5.35	2.97	89.00
17	1,559.00	14.76	11.18	1,553.97	57.62	7.52	-57.20	58.10	7.43	3.98	90.00
18	1,636.00	14.76	11.18	1,628.43	76.86	11.32	-76.24	77.69	8.38	0.00	77.00