

WELL DETAILS: Duck Club 12W-20-3N

Ground Elevation:: 5037.00
RKB Elevation: KB=25 @ 5062.00usft (Patt 901)
Rig Name: Patt 901

Northing

1236240.94

Easting

3215517.62

Latitude


39.97930

Longitude

-104.73094

Extraction Oil & Gas

Project: Adams County (NAD 83)
Site: Sec 12-T01S-R66W
Well: Duck Club 12W-20-3N
Wellbore: Wellbore #1
Plan: Plan #1 (Duck Club 12W-20-3N/Wellbore #1)



Planned Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	1588.00	21.09	53.63	1563.14	118.18	161.19	0.00	0.00	-136.91
2	1912.55	27.58	53.35	1858.69	197.74	268.60	2.00	-1.15	-227.99
3	6004.43	27.58	53.35	5485.59	1328.61	1788.54	0.00	0.00	-1515.94
4	7383.53	0.00	0.00	6812.05	1522.94	2049.74	2.00	-180.00	-1737.27
5	7413.53	0.00	0.00	6842.05	1522.94	2049.74	0.00	0.00	-1737.27
6	8310.73	89.72	269.94	7415.00	1522.35	1479.58	10.00	269.94	-1176.80
7	17939.27	89.72	269.95	7462.00	1513.07	-8148.84	0.00	87.01	8288.12

PROJECT DETAILS: Adams County (NAD 83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Colorado Northern Zone
System Datum: Mean Sea Level
Local North: True

T

M

Azimuths to True North

Magnetic North: 8.20°

Magnetic Field

Strength: 51945.4snT

Dip Angle: 66.32°

Date: 11/6/2018

Model: HDGM

0°

First Surface Survey

Last Surface Survey

First MWD Survey @ 1663.00' MD

Parkman

Sussex

Start Build 10.00

Niobrara Springs

Nio B

LP Duck Club 12W-20-3N

Vertical Section at 280.52° (400 usft/in)

True Vertical Depth (400 usft/in)

West(-)/East(+) (400 usft/in)

South(-)/North(+) (400 usft/in)

Cross @ 10487.55' MD

Cross @ 15764.77' MD

Last MWD Survey @ 17822.00' MD

Projection to TD @ 17898.00' MD 1242' FNL/ 2136' FEL

Section 10

Section 11

Section 12

Duck Club 12W-20-1C/Plan #1

Duck Club 12W-20-2N/Plan #1

LP Duck Club 12W-20-3N

ABND Vert Ben Stevenson Gas Unit 1/Design #1

ABND Vert Shaw A #1/Design #1

ABND Vert Shaw E Unit #1/Design #1

70° Inclination @ 8172.53' MD

30° Inclination @ 7666.58' MD

2180' From EW

PBHL Duck Club 12W-20-3N

Atlas Drilling Services Job# 00123EX-CO