

WELL DETAILS: Duck Club 12W-20-12C

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

Northing

1235985.86

Easting

3215508.62

Latitude


39.97860

Longitude

-104.73098

Extraction Oil & Gas

Project: Adams County (NAD 83)
Site: Sec 12-T01S-R66W
Well: Duck Club 12W-20-12C
Wellbore: Wellbore #1
Plan: Plan #2 (Duck Club 12W-20-12C/Wellbore #1)
Patt 901



Planned Section Details									
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect
1	1593.00	27.03	131.32	1530.71	-241.72	278.28	0.00	0.00	-219.43
2	1616.97	26.57	131.62	1552.11	-248.88	286.38	2.00	163.75	-225.79
3	6238.62	26.57	131.62	5685.66	-1621.90	1831.77	0.00	0.00	-1437.72
4	7567.12	0.00	0.00	6967.05	-1822.86	2057.95	2.00	180.00	-1615.10
5	7597.12	0.00	0.00	6997.05	-1822.86	2057.95	0.00	0.00	-1615.10
6	8494.12	89.70	270.14	7570.00	-1821.46	1487.99	10.00	270.14	-1058.93
7	18101.45	89.70	270.14	7620.00	-1798.17	-8119.18	0.00	-31.72	8315.92

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' MD

Parkman

Sussex

Niobrara Springs

Nio B

Codell

LP Duck Club 12W-20-12C

30° Inclination @ 7922.2' MD

70° Inclination @ 8325.88' MD

Cross @ 10652.56' MD

Cross @ 15925.96' MD

Last MWD Survey @ 18001' MD

Projection to TD @ 18064' MD 443.2' FSL/ 2138.4' FEL

Section 10

Section 11

Section 12

2180' From E/W

ABND Vert Ben Stevenson Gas Unit 1/Design #1

ABND Vert Shaw E Unit #1/Design #1

ABND Vert Shaw A #1/Design #1

Last MWD Survey @ 18001' MD

Cross @ 15925.96' MD

Cross @ 10652.56' MD

Projection to TD @ 18064' MD 443.2' FSL/ 2138.4' FEL

LP Duck Club 12W-20-12C

First Surface Survey

First MWD Survey @ 1663' MD

Last Surface Survey

30° Inclination @ 7922.2' MD

70° Inclination @ 8325.88' MD

True Vertical Depth (400 usft/in)

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

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

Vertical Section at 257.51° (400 usft/in)