

TEKTON WINDSOR, LLC

Location	Windsor, CO, USA(Imported)	Slot	Slot #4
Field	Windsor Project	Well	DIAMOND VALLEY SW #4
Installation	Diamond Valley SW	Wellbore	DIAMOND VALLEY SW #4 REV

Scale 1 cm = 500 ft

East (feet) ->

-8000 -7000 -6000 -5000 -4000 -3000 -2000 -1000 0 1000

2000
1000
0
-1000
N-North(feet)

Scale 1 cm = 500 ft

NELSEN

DVR #4 -T2

DVR #4 - T1

Surface 0.00 N 0.00 E

Tie on - 0.00 Inc, 16.00 MD, 16.00 TVD, 0.00 VS

9 5/8in Surface Casing

3DS Kick off Point - 0.00 Inc, 800.00 MD, 800.00 TVD, 0.00 VS

End of Build - 13.89 Inc, 1494.46 MD, 1487.68 TVD, 83.06 VS

Created by admin
Date plotted 22-Jul-2013

Plot reference is DIAMOND VALLEY SW #4 REV.
Ref wellpath is DIAMOND VALLEY SW #4 (PWP#1).
Coordinates are in feet reference Slot #4.
True Vertical Depths are reference Rig Datum.
Measured Depths are reference Rig Datum.
Rig Datum: Planned Datum #1
Rig Datum to Mean Sea Level: 4788.00 ft.
Plot North is aligned to GRID North.

WELL PROFILE DATA

Point	MD	Inc	Azi	TVD	North	East	deg/100ft	V. Sect
Tie on	16.00	0.00	0.00	16.00	0.00	0.00	0.00	0.00
KOP	800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00
End of Build	1494.46	13.89	279.77	1487.68	14.22	-82.55	2.00	83.06
End of Hold	6586.52	13.89	279.77	6430.85	221.69	-1287.14	0.00	1295.07
Target DVR #4 - T1	7540.29	90.00	270.35	6977.00	248.07	-1982.82	8.00	1991.24
T.D. & Target DVR #4 -T	12413.12	90.00	270.35	6977.00	278.06	-6855.56	0.00	6861.20

End of Hold - 13.89 Inc, 6586.52 MD, 6430.85 TVD, 1295.07 VS

7.0in Intermediate Casing

T.D. & End of Hold - 6977.00 TVD, 278.06 N 6855.56 W

DVR #4 - T1

DVR #4 -T2

S/C Kick off Point - 90.00 Inc, 7540.29 MD, 6977.00 TVD, 1991.24 VS

4 1/2in Production Liner

Scale 1 cm = 250 ft

<- True Vertical Depth (feet)

-500

0

500

1000

1500

2000

2500

3000

3500

4000

4500

5000

5500

6000

6500

7000

7500

-500 -0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 6500 7000 7500

Scale 1 cm = 250 ft

Vertical Section (feet) ->

Azimuth 272.32 with reference 0.00 N, 0.00 E from Slot #4



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DIAMOND VALLEY SW #4 REV

Wellhead Details							
Name	Northing	Easting	Latitude	Longitude	North	East	Elevation Above Inst.
Slot #4	1413791.0490	3172116.4009	40.46761000	-104.88138881	47.36N	0.00E	1.00

Declination			
Date	Source	Time	
18-Oct-2012	IGRF Model [1900.0-2015.0]	08:28	

Site Details				
Name	Northing	Easting	Coord System Name	North Alignment
Diamond Valley SW	1413743.6897	3172116.4009	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Summary Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
16.00	0.00	0.000	16.00	0.00N	0.00E		0.00	1413791.05	3172116.40
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
1494.46	13.89	279.770	1487.68	14.22N	82.55W	2.00	83.06	1413805.27	3172033.86
6586.52	13.89	279.770	6430.85	221.69N	1287.14W	==>	1295.07	1414012.73	3170829.31
7540.29	90.00	270.350	6977.00	248.07N	1982.82W	8.00	1991.24	1414039.11	3170133.66
12413.12	90.00	270.350	6977.00	278.06N	6855.56W	==>	6861.20	1414069.10	3165261.10

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
0.00	0.00	0.000	0.00	0.00N	0.00E		0.00	1413791.05	3172116.40
16.00	0.00	0.000	16.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
100.00	0.00	0.000	100.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
200.00	0.00	0.000	200.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
300.00	0.00	0.000	300.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
400.00	0.00	0.000	400.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
500.00	0.00	0.000	500.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
600.00	0.00	0.000	600.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
700.00	0.00	0.000	700.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
784.00	0.00	0.000	784.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
800.00	0.00	0.000	800.00	0.00N	0.00E	==>	0.00	1413791.05	3172116.40
884.00	1.68	279.770	883.99	0.21N	1.21W	2.00	1.22	1413791.26	3172115.19
984.00	3.68	279.770	983.87	1.00N	5.82W	2.00	5.86	1413792.05	3172110.58
1084.00	5.68	279.770	1083.54	2.39N	13.86W	2.00	13.95	1413793.44	3172102.54
1184.00	7.68	279.770	1182.85	4.36N	25.32W	2.00	25.48	1413795.41	3172091.08
1284.00	9.68	279.770	1281.70	6.92N	40.20W	2.00	40.44	1413797.97	3172076.21
1384.00	11.68	279.770	1379.96	10.07N	58.46W	2.00	58.82	1413801.12	3172057.94
1484.00	13.68	279.770	1477.52	13.79N	80.09W	2.00	80.58	1413804.84	3172036.31
1494.46	13.89	279.770	1487.68	14.22N	82.55W	2.00	83.06	1413805.27	3172033.86
1500.00	13.89	279.770	1493.06	14.44N	83.86W	==>	84.37	1413805.49	3172032.55
1600.00	13.89	279.770	1590.13	18.52N	107.51W	==>	108.18	1413809.57	3172008.89
1700.00	13.89	279.770	1687.21	22.59N	131.17W	==>	131.98	1413813.64	3171985.24
1800.00	13.89	279.770	1784.28	26.67N	154.83W	==>	155.78	1413817.71	3171961.58
1900.00	13.89	279.770	1881.36	30.74N	178.48W	==>	179.58	1413821.79	3171937.93
2000.00	13.89	279.770	1978.44	34.81N	202.14W	==>	203.38	1413825.86	3171914.27
2100.00	13.89	279.770	2075.51	38.89N	225.79W	==>	227.19	1413829.94	3171890.61
2200.00	13.89	279.770	2172.59	42.96N	249.45W	==>	250.99	1413834.01	3171866.96
2300.00	13.89	279.770	2269.67	47.04N	273.11W	==>	274.79	1413838.08	3171843.30
2400.00	13.89	279.770	2366.74	51.11N	296.76W	==>	298.59	1413842.16	3171819.65
2500.00	13.89	279.770	2463.82	55.19N	320.42W	==>	322.39	1413846.23	3171795.99
2600.00	13.89	279.770	2560.89	59.26N	344.08W	==>	346.20	1413850.31	3171772.34
2700.00	13.89	279.770	2657.97	63.34N	367.73W	==>	370.00	1413854.38	3171748.68
2800.00	13.89	279.770	2755.05	67.41N	391.39W	==>	393.80	1413858.46	3171725.03
2900.00	13.89	279.770	2852.12	71.48N	415.05W	==>	417.60	1413862.53	3171701.37
3000.00	13.89	279.770	2949.20	75.56N	438.70W	==>	441.40	1413866.60	3171677.72
3100.00	13.89	279.770	3046.27	79.63N	462.36W	==>	465.21	1413870.68	3171654.06
3200.00	13.89	279.770	3143.35	83.71N	486.01W	==>	489.01	1413874.75	3171630.40

All data is in Feet unless otherwise stated
Coordinates are from Slot MD's are from Rig and TVD's are from Rig (Planned Datum #1 4788.0ft above Mean Sea Level)
Vertical Section is from 0.00N 0.00E on azimuth 272.320 degrees
Bottom hole distance is 6861.20 Feet on azimuth 272.32 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 22-Jul-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DIAMOND VALLEY SW #4 REV

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
3300.00	13.89	279.770	3240.43	87.78N	509.67W	==>	512.81	1413878.83	3171606.75
3400.00	13.89	279.770	3337.50	91.86N	533.33W	==>	536.61	1413882.90	3171583.09
3500.00	13.89	279.770	3434.58	95.93N	556.98W	==>	560.41	1413886.98	3171559.44
3600.00	13.89	279.770	3531.66	100.00N	580.64W	==>	584.22	1413891.05	3171535.78
3700.00	13.89	279.770	3628.73	104.08N	604.30W	==>	608.02	1413895.12	3171512.13
3800.00	13.89	279.770	3725.81	108.15N	627.95W	==>	631.82	1413899.20	3171488.47
3900.00	13.89	279.770	3822.88	112.23N	651.61W	==>	655.62	1413903.27	3171464.82
4000.00	13.89	279.770	3919.96	116.30N	675.27W	==>	679.42	1413907.35	3171441.16
4100.00	13.89	279.770	4017.04	120.38N	698.92W	==>	703.23	1413911.42	3171417.51
4200.00	13.89	279.770	4114.11	124.45N	722.58W	==>	727.03	1413915.49	3171393.85
4300.00	13.89	279.770	4211.19	128.52N	746.23W	==>	750.83	1413919.57	3171370.19
4400.00	13.89	279.770	4308.26	132.60N	769.89W	==>	774.63	1413923.64	3171346.54
4500.00	13.89	279.770	4405.34	136.67N	793.55W	==>	798.43	1413927.72	3171322.88
4600.00	13.89	279.770	4502.42	140.75N	817.20W	==>	822.24	1413931.79	3171299.23
4700.00	13.89	279.770	4599.49	144.82N	840.86W	==>	846.04	1413935.87	3171275.57
4800.00	13.89	279.770	4696.57	148.90N	864.52W	==>	869.84	1413939.94	3171251.92
4900.00	13.89	279.770	4793.65	152.97N	888.17W	==>	893.64	1413944.01	3171228.26
5000.00	13.89	279.770	4890.72	157.05N	911.83W	==>	917.44	1413948.09	3171204.61
5100.00	13.89	279.770	4987.80	161.12N	935.49W	==>	941.25	1413952.16	3171180.95
5200.00	13.89	279.770	5084.87	165.19N	959.14W	==>	965.05	1413956.24	3171157.30
5300.00	13.89	279.770	5181.95	169.27N	982.80W	==>	988.85	1413960.31	3171133.64
5400.00	13.89	279.770	5279.03	173.34N	1006.45W	==>	1012.65	1413964.39	3171109.98
5500.00	13.89	279.770	5376.10	177.42N	1030.11W	==>	1036.45	1413968.46	3171086.33
5600.00	13.89	279.770	5473.18	181.49N	1053.77W	==>	1060.26	1413972.53	3171062.67
5700.00	13.89	279.770	5570.25	185.57N	1077.42W	==>	1084.06	1413976.61	3171039.02
5800.00	13.89	279.770	5667.33	189.64N	1101.08W	==>	1107.86	1413980.68	3171015.36
5900.00	13.89	279.770	5764.41	193.71N	1124.74W	==>	1131.66	1413984.76	3170991.71
6000.00	13.89	279.770	5861.48	197.79N	1148.39W	==>	1155.46	1413988.83	3170968.05
6100.00	13.89	279.770	5958.56	201.86N	1172.05W	==>	1179.27	1413992.90	3170944.40
6200.00	13.89	279.770	6055.63	205.94N	1195.71W	==>	1203.07	1413996.98	3170920.74
6300.00	13.89	279.770	6152.71	210.01N	1219.36W	==>	1226.87	1414001.05	3170897.09
6400.00	13.89	279.770	6249.79	214.09N	1243.02W	==>	1250.67	1414005.13	3170873.43
6500.00	13.89	279.770	6346.86	218.16N	1266.67W	==>	1274.47	1414009.20	3170849.77
6586.52	13.89	279.770	6430.85	221.69N	1287.14W	==>	1295.07	1414012.73	3170829.31
6600.00	14.95	279.070	6443.91	222.23N	1290.45W	8.00	1298.40	1414013.28	3170826.00
6700.00	22.89	275.850	6538.43	226.26N	1322.59W	8.00	1330.67	1414017.30	3170793.86
6800.00	30.86	274.240	6627.56	230.14N	1367.58W	8.00	1375.79	1414021.18	3170748.87
6900.00	38.84	273.230	6709.57	233.81N	1424.55W	8.00	1432.86	1414024.85	3170691.90
7000.00	46.82	272.530	6782.85	237.19N	1492.39W	8.00	1500.78	1414028.23	3170624.06
7100.00	54.81	271.990	6845.98	240.23N	1569.78W	8.00	1578.23	1414031.27	3170546.68
7200.00	62.80	271.540	6897.73	242.85N	1655.21W	8.00	1663.70	1414033.89	3170461.25
7300.00	70.79	271.160	6937.10	245.00N	1747.03W	8.00	1755.52	1414036.04	3170369.44
7400.00	78.79	270.810	6963.32	246.66N	1843.43W	8.00	1851.91	1414037.70	3170273.04
7500.00	86.78	270.480	6975.87	247.78N	1942.55W	8.00	1951.00	1414038.82	3170173.92
7540.29	90.00	270.350	6977.00	248.07N	1982.82W	8.00	1991.24	1414039.11	3170133.66
7600.00	90.00	270.350	6977.00	248.44N	2042.53W	==>	2050.92	1414039.48	3170073.95
7700.00	90.00	270.350	6977.00	249.05N	2142.53W	==>	2150.86	1414040.09	3169973.96
7800.00	90.00	270.350	6977.00	249.67N	2242.52W	==>	2250.80	1414040.71	3169873.96
7900.00	90.00	270.350	6977.00	250.28N	2342.52W	==>	2350.74	1414041.32	3169773.97
8000.00	90.00	270.350	6977.00	250.90N	2442.52W	==>	2450.68	1414041.94	3169673.97
8100.00	90.00	270.350	6977.00	251.51N	2542.52W	==>	2550.62	1414042.55	3169573.98
8200.00	90.00	270.350	6977.00	252.13N	2642.52W	==>	2650.56	1414043.17	3169473.99
8300.00	90.00	270.350	6977.00	252.75N	2742.51W	==>	2750.50	1414043.78	3169373.99
8400.00	90.00	270.350	6977.00	253.36N	2842.51W	==>	2850.44	1414044.40	3169274.00
8500.00	90.00	270.350	6977.00	253.98N	2942.51W	==>	2950.39	1414045.02	3169174.00
8600.00	90.00	270.350	6977.00	254.59N	3042.51W	==>	3050.33	1414045.63	3169074.01
8700.00	90.00	270.350	6977.00	255.21N	3142.51W	==>	3150.27	1414046.25	3168974.01
8800.00	90.00	270.350	6977.00	255.82N	3242.50W	==>	3250.21	1414046.86	3168874.02
8900.00	90.00	270.350	6977.00	256.44N	3342.50W	==>	3350.15	1414047.48	3168774.03
9000.00	90.00	270.350	6977.00	257.05N	3442.50W	==>	3450.09	1414048.09	3168674.03
9100.00	90.00	270.350	6977.00	257.67N	3542.50W	==>	3550.03	1414048.71	3168574.04

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Bottom hole distance is 6861.20 Feet on azimuth 272.32 degrees from Wellhead
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Well Design Combined Report
Wellbore: DIAMOND VALLEY SW #4 REV

Interpolated Wellpath									
MD[ft]	Inc[deg]	Azi[deg]	TVD[ft]	North[ft]	East[ft]	Dogleg [deg/100ft]	Vertical Section[ft]	Northing	Easting
9200.00	90.00	270.350	6977.00	258.28N	3642.50W	==>	3649.97	1414049.32	3168474.04
9300.00	90.00	270.350	6977.00	258.90N	3742.49W	==>	3749.91	1414049.94	3168374.05
9400.00	90.00	270.350	6977.00	259.51N	3842.49W	==>	3849.85	1414050.55	3168274.05
9500.00	90.00	270.350	6977.00	260.13N	3942.49W	==>	3949.79	1414051.17	3168174.06
9600.00	90.00	270.350	6977.00	260.75N	4042.49W	==>	4049.74	1414051.78	3168074.07
9700.00	90.00	270.350	6977.00	261.36N	4142.49W	==>	4149.68	1414052.40	3167974.07
9800.00	90.00	270.350	6977.00	261.98N	4242.49W	==>	4249.62	1414053.02	3167874.08
9900.00	90.00	270.350	6977.00	262.59N	4342.48W	==>	4349.56	1414053.63	3167774.08
10000.00	90.00	270.350	6977.00	263.21N	4442.48W	==>	4449.50	1414054.25	3167674.09
10100.00	90.00	270.350	6977.00	263.82N	4542.48W	==>	4549.44	1414054.86	3167574.09
10200.00	90.00	270.350	6977.00	264.44N	4642.48W	==>	4649.38	1414055.48	3167474.10
10300.00	90.00	270.350	6977.00	265.05N	4742.48W	==>	4749.32	1414056.09	3167374.11
10400.00	90.00	270.350	6977.00	265.67N	4842.47W	==>	4849.26	1414056.71	3167274.11
10500.00	90.00	270.350	6977.00	266.28N	4942.47W	==>	4949.20	1414057.32	3167174.12
10600.00	90.00	270.350	6977.00	266.90N	5042.47W	==>	5049.14	1414057.94	3167074.12
10700.00	90.00	270.350	6977.00	267.52N	5142.47W	==>	5149.09	1414058.55	3166974.13
10800.00	90.00	270.350	6977.00	268.13N	5242.47W	==>	5249.03	1414059.17	3166874.13
10900.00	90.00	270.350	6977.00	268.75N	5342.46W	==>	5348.97	1414059.78	3166774.14
11000.00	90.00	270.350	6977.00	269.36N	5442.46W	==>	5448.91	1414060.40	3166674.14
11100.00	90.00	270.350	6977.00	269.98N	5542.46W	==>	5548.85	1414061.02	3166574.15
11200.00	90.00	270.350	6977.00	270.59N	5642.46W	==>	5648.79	1414061.63	3166474.16
11300.00	90.00	270.350	6977.00	271.21N	5742.46W	==>	5748.73	1414062.25	3166374.16
11400.00	90.00	270.350	6977.00	271.82N	5842.46W	==>	5848.67	1414062.86	3166274.17
11500.00	90.00	270.350	6977.00	272.44N	5942.45W	==>	5948.61	1414063.48	3166174.17
11600.00	90.00	270.350	6977.00	273.05N	6042.45W	==>	6048.55	1414064.09	3166074.18
11700.00	90.00	270.350	6977.00	273.67N	6142.45W	==>	6148.49	1414064.71	3165974.18
11800.00	90.00	270.350	6977.00	274.28N	6242.45W	==>	6248.44	1414065.32	3165874.19
11900.00	90.00	270.350	6977.00	274.90N	6342.45W	==>	6348.38	1414065.94	3165774.20
12000.00	90.00	270.350	6977.00	275.52N	6442.44W	==>	6448.32	1414066.55	3165674.20
12100.00	90.00	270.350	6977.00	276.13N	6542.44W	==>	6548.26	1414067.17	3165574.21
12200.00	90.00	270.350	6977.00	276.75N	6642.44W	==>	6648.20	1414067.78	3165474.21
12300.00	90.00	270.350	6977.00	277.36N	6742.44W	==>	6748.14	1414068.40	3165374.22
12400.00	90.00	270.350	6977.00	277.98N	6842.44W	==>	6848.08	1414069.02	3165274.22
12413.12	90.00	270.350	6977.00	278.06N	6855.56W	==>	6861.20	1414069.10	3165261.10

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Vertical Section is from 0.00N 0.00E on azimuth 272.320 degrees
Bottom hole distance is 6861.20 Feet on azimuth 272.32 degrees from Wellhead
Calculation method uses Minimum Curvature method
Prepared by Integrated Petroleum Technologies, Inc.
Date Printed: 22-Jul-2013



INTEGRATED PETROLEUM TECHNOLOGIES, INC
SYSDRILL
Well Design Combined Report
Wellbore: DIAMOND VALLEY SW #4 REV

Hole Sections								
Diameter	Start	Start	Start	Start	End	End	End	End
[in]	MD[ft]	TVD[ft]	North[ft]	East[ft]	MD[ft]	TVD[ft]	North[ft]	East[ft]
12 1/4	16.00	16.00	0.00N	0.00E	500.00	500.00	0.00N	0.00E
8 3/4	500.00	500.00	0.00N	0.00E	7540.00	6977.00	248.07N	1982.53W
6 1/8	7540.00	6977.00	248.07N	1982.53W	12413.12	6977.00	278.06N	6855.56W

Casings								
Name	Top	Top	Top	Top	Shoe	Shoe	Shoe	Shoe
	MD[ft]	TVD[ft]	North[ft]	East[ft]	MD[ft]	TVD[ft]	North[ft]	East[ft]
9 5/8in Surface Casing	0.00				500.00	500.00	0.00N	0.00E
7.0in Intermediate Casing	0.00				7540.00	6977.00	248.07N	1982.53W
4 1/2in Production Liner	6586.00	6430.35	221.66N	1287.02W	12413.12	6977.00	278.06N	6855.56W

Targets								
Name	North[ft]	East[ft]	TVD[ft]	Latitude	Longitude	Northing	Easting	Last Revised
DVR #4 - T1	248.07N	1982.82W	6977.00	40.46832865	-104.88850870	1414039.11	3170133.66	8-Mar-2013
DVR #4 - T2	278.06N	6855.56W	6977.00	40.46850187	-104.90602030	1414069.10	3165261.10	8-Mar-2013

Survey Tool Program						
Reference	Survey Name	MD[ft]	TVD[ft]	Survey Tool	Error Model	
56394	Planned	12413.12	6977.00	WdW Rate Gyro	Standard	

Notes

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SYSDRILL
Closest Approach + Clearance Factor Summary Report
Wellbore: DIAMOND VALLEY SW #4 REV

Ellipse separations are reported ONLY if BOTH wells have uncertainty data
Only Depth and Magnetic Reference Field error terms are correlated across tie points
Scan limit is calculated on CENTRE to CENTRE distance

Summary data uses Closest Approach clearance calculation for all minima
Hole size/Casings ARE included
Hole size/Casings are NOT subtracted from Centre-Centre distance
Confidence limit of 95.00% / 2.80 SD.

Wellbore		
Name	Created	Last Revised
DIAMOND VALLEY SW #4 REV	17-Jul-2013	22-Jul-2013

Well		
Name	Government ID	Last Revised
DIAMOND VALLEY SW #4		16-May-2013

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
Slot #4	1413791.0490	3172116.4009	40.46761000	-104.88138881	47.36N	0.00E

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
Diamond Valley SW	3172116.4009	1413743.6897	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
Windsor Project	3162710.0707	1407271.6545	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Clearance Summary										
Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
DIAMOND VALLEY SW #5	DIAMOND VALLEY SW #5 REV	Slot #5	Diamond Valley SW	14.57	801.00	801.00	12.62	869.02	2.79	12413.12
DIAMOND VALLEY SW #3	DIAMOND VALLEY SW #3 REV	Slot #3	Diamond Valley SW	18.22	803.40	803.40	16.28	819.81	2.69	12413.12
DIAMOND VALLEY SW #6	DIAMOND VALLEY SW #6 REV	Slot #6	Diamond Valley SW	29.28	800.00	12413.12	27.33	833.41	2.69	12413.12
DIAMOND VALLEY SW #2	DIAMOND VALLEY SW #2 REV	Slot #2	Diamond Valley SW	32.79	803.40	803.40	30.87	819.81	4.45	12413.12
DIAMOND VALLEY SW #1	DIAMOND VALLEY SW #1 REV	Slot #1	Diamond Valley SW	47.36	803.40	803.40	45.43	819.81	5.38	12413.12
DIAMOND VALLEY SW #7	DIAMOND VALLEY SW #7 REV	Slot #7	Diamond Valley SW	47.44	800.01	800.01	45.52	800.01	5.38	12413.12
DIAMOND VALLEY SW #8	DIAMOND VALLEY SW #8 REV	Slot #8	Diamond Valley SW	62.00	800.01	12413.12	60.08	800.01	7.02	12413.12
DIAMOND VALLEY SW #9	DIAMOND VALLEY SW #9 REV	Slot #9	Diamond Valley SW	80.20	800.01	800.01	78.28	800.01	8.06	12413.12
Kodak #1	Kodak #1	Slot #1	Kodak	989.96	12402.82	12402.82	876.82	12402.82	8.75	12402.82
Kodak #2	Kodak #2	Slot #2	Kodak	1170.11	12401.26	12401.26	1058.21	12401.26	10.46	12401.17
Kodak #3	Kodak #3	Slot #3	Kodak	1319.85	12401.17	12401.17	1206.78	12401.17	11.67	12401.17

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Clearance Summary										
Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
Diamond Valley 22-23-18	Diamond Valley 22-23-18 (AWB)	Diamond Valley 22-23-18	Great Western Diamond Valley	1492.62	4592.77	4592.77	1487.46	4592.77	232.45	6282.40
Kodak #4	Kodak #4	Slot #4	Kodak	1649.75	12401.17	12401.17	1536.74	12401.17	14.59	12413.12
Diamond Valley 22-22-13	Diamond Valley 22-22-13 (AWB)	Diamond Valley 22-22-13	Great Western Diamond Valley	1683.80	3224.00	3224.00	1679.87	3231.22	203.60	6971.38
W Great Western #27-11	W Great Western #27-11 (AWB)	Great Western #27-11	Great Western 66N67W	1793.08	6439.82	6818.10	1780.10	6446.45	101.57	7840.80
Kodak #5	Kodak #5	Slot #5	Kodak	1824.42	12401.17	12401.17	1711.91	12401.17	16.21	12413.12
Great Western 27-21-3	Great Western 27-21-3 (AWB)	Great Western 27-21-3	Great Western Diamond Valley	1884.38	5031.04	5031.04	1877.99	5084.90	255.40	6659.70
W Great Western #27-21	W Great Western #27-21 (AWB)	Great Western #27-21	Great Western 66N67W	1929.69	5267.10	5267.10	1920.62	5267.10	183.55	7151.83
Diamond Valley 22-33	Diamond Valley 22-33 (AWB)	Diamond Valley 22-33	Great Western Diamond Valley	1952.64	2716.00	2716.00	1949.60	2722.69	285.82	6758.13
Kodak #6	Kodak #6	Slot #6	Kodak	1979.66	12397.34	12397.34	1866.68	12413.12	17.51	12413.12
Diamond Valley 22-34	Diamond Valley 22-34 (AWB)	Diamond Valley 22-34	Great Western Diamond Valley	2094.45	1459.57	1459.57	2092.60	1459.57	361.47	6741.72
Diamond Valley 22-54	Diamond Valley 22-54 (AWB)	Diamond Valley 22-54	Great Western Diamond Valley	2133.94	1328.34	1328.34	2132.22	1328.34	396.83	6774.53
Great Western 27-31-2	Great Western 27-31-2 (AWB)	Great Western 27-31-2	Great Western Diamond Valley	2149.43	1164.29	1164.29	2147.85	1164.29	449.24	6987.78
Diamond Valley 22-32-12	Diamond Valley 22-32-12 (AWB)	Diamond Valley 22-32-12	Great Western Diamond Valley	2173.40	1361.14	1361.14	2171.65	1361.14	342.52	7233.85
Diamond Valley 22-43	Diamond Valley 22-43 (AWB)	Diamond Valley 22-43	Great Western Diamond Valley	2228.42	918.23	918.23	2227.04	918.23	455.38	7069.81
Great Western 27-31-8	Great Western 27-31-8 (AWB)	Great Western 27-31-8	Great Western Diamond Valley	2233.69	1016.66	1016.66	2232.23	1016.66	259.30	7529.12
Diamond Valley 22-44	Diamond Valley 22-44 (AWB)	Diamond Valley 22-44	Great Western Diamond Valley	2260.98	819.81	819.81	2259.67	819.81	540.10	6954.98
Great Western 27-41-10	Great Western 27-41-10 (AWB)	Great Western 27-41-10	Great Western Diamond Valley	2280.25	221.00	221.00	2279.17	221.00	573.99	8956.29

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Wellbore: DIAMOND VALLEY SW #4 REV

Clearance Summary										
Offset WellName	Offset Wellbore	Offset Slot	Offset Structure	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
Great Western 27-41-1	Great Western 27-41-1 (AWB)	Great Western 27-41-1	Great Western Diamond Valley	2297.26	221.00	221.00	2296.18	221.00	637.64	7184.64
Kodak #7	Kodak #7	Slot #7	Kodak	2309.59	12395.60	12395.60	2196.61	12413.12	20.43	12413.12
W Great Western #27-52	W Great Western #27-52 (AWB)	Great Western #27-52	Great Western 66N67W	2413.51	5583.37	5583.37	2402.74	5593.43	157.11	8054.06
Kodak #8	Kodak #8	Slot #8	Kodak	2463.73	622.96	12394.87	2369.04	12413.12	22.01	12413.12
Kodak #9	Kodak #9	Slot #9	Kodak	2478.16	622.96	12394.14	2476.48	491.72	23.35	12413.12
Kodak #10	Kodak #10	Slot #10	Kodak	2492.44	622.96	12392.41	2490.75	491.72	26.26	12413.12
Kodak #11	Kodak #11	Slot #11	Kodak	2506.85	622.96	12391.68	2505.17	491.72	27.81	12413.12
Kodak #12	Kodak #12	Slot #12	Kodak	2521.22	622.96	12390.95	2519.54	491.72	29.17	12413.12
Kodak #13	Kodak #13	Slot #13	Kodak	2535.65	622.96	12389.21	2533.97	491.72	32.08	12413.12
Kodak #14	Kodak #14	Slot #14	Kodak	2550.04	622.96	12388.49	2548.36	491.72	33.61	12413.12
Kodak #15	Kodak #15	Slot #15	Kodak	2564.49	622.96	12387.76	2562.82	491.72	34.98	12413.12
W Great Western #27-12	W Great Western #27-12 (AWB)	Great Western #27-12	Great Western 66N67W	3085.53	5356.00	5356.00	3074.95	5396.58	140.90	8939.88
W Great Western #27-22	W Great Western #27-22 (AWB)	Great Western #27-22	Great Western 66N67W	3216.99	803.40	803.40	3215.69	491.72	223.93	8890.67
Great Western 27-13	W #12 Great Western 27-13 (AWB)	Great Western #27-13	Great Western (Great Western Oil & Gas)	4434.74	6167.94	6167.94	4422.42	6183.98	163.25	10153.80
W Great Western #27-23	W Great Western #27-23 (AWB)	Great Western #27-23	Great Western (Great Western Oil & Gas)	4594.51	5929.39	5929.39	4583.18	5937.92	214.74	10088.18
W Great Western #27-53	W Great Western #27-53 (AWB)	Great Western #27-53	Great Western (Great Western Oil & Gas)	5075.84	5291.30	5291.30	5065.59	5298.15	192.55	10662.33
W Great Western #27-14	W Great Western #27-14 (AWB)	Great Western #27-14	Great Western (Great Western Oil & Gas)	5467.01	2338.07	2338.07	5463.21	2345.40	176.47	11466.13