



SYSDRILL  
Closest Approach + Clearance Factor Summary Report  
Wellbore: ALICIA 12-15H-2N (PWB)

Ellipse separations are reported ONLY if BOTH wells have uncertainty data  
Only Depth and Magnetic Reference Field error terms are correlated across tie points  
Proximities beyond 2000.00ft with expansion rate of 0.00ft/1000ft are not reported  
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
ALICIA 12-15H-2N (PWB)	3-Mar-2014	3-Sep-2014

Well		
Name	Government ID	Last Revised
ALICIA 12-15H-2N		19-Aug-2014

Slot						
Name	Grid Northing	Grid Easting	Latitude	Longitude	North	East
ALICIA 12-15H-2N	1233705.9707	3154981.1472	39.97358000	-104.94701000	11.10N	27.96E

Installation				
Name	Easting	Northing	Coord System Name	North Alignment
ALICIA	3154953.1896	1233694.8679	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Field				
Name	Easting	Northing	Coord System Name	North Alignment
SPINDLE	3156324.1590	1233718.6871	CO83-NF on NORTH AMERICAN DATUM 1983 datum	Grid

Clearance Summary								
Offset WellName	Offset Wellbore	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
ALICIA 12-15H-5N	ALICIA 12-15H-5N (PWB)	14.48	1600.00	13835.55	11.27	1600.00	3.31	13825.34
ALICIA 12-15H-4C	ALICIA 12-15H-4C (PWB)	15.72	1637.02	1637.02	12.43	1653.42	4.59	12545.81
Ruby #1	Ruby #1 (AWB)	20.78	8345.78	8345.78	6.95	8345.78	1.50	8345.78
ALICIA 12-15H-1N	ALICIA 12-15H-1N (PWB)	30.08	1550.00	13835.55	26.95	1550.00	6.59	13825.34
ALICIA 12-15H-3N	ALICIA 12-15H-3N (PWB)	31.49	1637.02	1637.02	28.21	1637.02	3.32	13825.34
ALICIA 12-15H-6C	ALICIA 12-15H-6C (PWB)	45.82	1500.00	12553.46	42.77	1500.00	10.87	12627.83
Ruby #2	Ruby #2 (AWB)	52.22	1218.00	9706.13	49.32	1218.00	5.23	9713.00
TUDEX REINHOLT #NC4	TUDEX REINHOLT #NC4 (AWB)	74.63	12076.80	12076.80	33.15	12076.80	1.80	12076.80
MALLO #1	MALLO #1 (AWB)	93.63	1625.00	1625.00	89.35	1637.02	21.45	1735.44
W MORRISON #15-1	W MORRISON #15-1 (AWB)	162.80	13833.40	13833.40	87.85	13833.40	2.17	13833.40
AFTON 12-16H-1	AFTON 12-16H-1 (PWB)	534.12	8329.93	8329.93	486.11	13464.44	6.25	13825.34
AFTON 12-16H-2	AFTON 12-16H-2 (PWB)	725.03	7351.48	7351.48	708.36	7340.82	8.38	13825.34
AFTON #12-16H-3	AFTON #12-16H-3 (PWB)	852.37	7985.44	7985.44	837.31	7945.43	10.15	13825.34

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 5163.0ft above Mean Sea Level )  
Vertical Section is from 0.00N 0.00E on azimuth 359.960 degrees  
Prepared by Integrated Petroleum Technologies, Inc.  
Date Printed: 3-Sep-2014



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Clearance Summary								
Offset WellName	Offset Wellbore	Separation [ft]	MD[ft]	Diverging From[ft]	Ellipse Separation [ft]	Ellipse MD[ft]	Clearance Factor	Clearance MD[ft]
BARKER #12-9	BARKER #12-9 (AWB)	945.54	9682.15	9682.15	924.12	9691.48	42.43	9904.73
W MORRISON 33-1 #4	W MORRISON 33-1 #4 (AWB)	1016.46	13835.55	13835.55	977.93	13835.55	26.38	13835.55
AFTON 12-16H-8	AFTON 12-16H-8 (PWB)	1032.65	7813.00	7813.00	1015.86	7744.30	11.69	13825.34
W MORRISON #16-1	W MORRISON #16-1 (AWB)	1039.52	13492.93	13492.93	967.48	13497.25	14.36	13579.27
ELMS #2	ELMS #2 (AWB)	1075.29	11287.17	11287.17	1040.55	11299.09	30.34	11463.13
DARLOW UNIT #12-16B	DARLOW UNIT #12-16B (AWB)	1107.32	8395.55	8395.55	1093.43	8395.55	77.26	8772.84
AFTON 12-16H-5	AFTON 12-16H-5 (PWB)	1196.35	7624.55	7624.55	1178.50	7575.34	13.63	13825.34
AFTON 12-16H-6	AFTON 12-16H-6 (PWB)	1212.56	7116.04	7116.04	1197.81	7132.42	81.47	7329.27
PULIS #12-8	PULIS #12-8 (AWB)	1269.46	2014.31	2014.31	1264.52	2129.14	127.84	5327.96
AFTON 12-16H-7	AFTON 12-16H-7 (PWB)	1338.64	7001.19	7001.19	1321.50	7017.59	16.48	13825.34
AFTON #12-16H-4	AFTON #12-16H-4 Sidetrack	1353.13	9097.38	12333.33	1219.35	12348.96	9.83	12398.17
AFTON #12-16H-4	AFTON #12-16H-4 (PWB)	1359.13	7713.00	7713.00	1311.28	12529.40	18.06	12644.23
AFTON #12-16H-4	AFTON #12-16H-4 Original	1360.91	2801.71	8316.31	1334.30	8026.06	36.62	9232.16
AFTON #12-16H-4	AFTON #12-16H-4 Ensign Plan	1367.68	7855.26	7855.26	1336.20	12545.81	18.34	12644.23
BELLINGER #12-7	BELLINGER #12-7 (AWB)	1399.04	1625.00	1625.00	1394.75	1625.00	201.21	5229.54
W MORRISON 24-1 #3	W MORRISON 24-1 #3 (AWB)	1447.05	13664.69	13664.69	1372.67	13677.70	19.30	13808.93
W MORRISON #9-1	W MORRISON #9-1 (AWB)	1558.89	13835.55	13835.55	1495.47	13835.55	24.58	13835.55
DARLOW #12-2	DARLOW #12-2 (AWB)	1701.77	1625.00	1625.00	1697.51	1637.02	229.06	4688.20
W MORRISON #11-1	W MORRISON #11-1 (AWB)	1878.47	13835.55	13835.55	1809.92	13835.55	27.38	13825.34