



PETROX RESOURCES INC.

Petrox Resources

Archuleta County, CO NAD83

Dakota Unit

Dakota 21-3

OH

Plan #1

Anticollision Report

07 February, 2014



Scientific Drilling

www.scientificdrilling.com





Company:	Petrox Resources	Local Co-ordinate Reference:	Well Dakota 21-3
Project:	Archuleta County, CO NAD83	TVD Reference:	GL 6235' @ 6235.00usft
Reference Site:	Dakota Unit	MD Reference:	GL 6235' @ 6235.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Dakota 21-3	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

Reference	Plan #1		
Filter type:	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
Interpolation Method:	MD Interval 100.00usft	Error Model:	ISCWSA
Depth Range:	Unlimited	Scan Method:	Closest Approach 3D
Results Limited by:	Maximum center-center distance of 2,210.21 usft	Error Surface:	Elliptical Conic
Warning Levels Evaluated at:	2.00 Sigma	Casing Method:	Not applied

Survey Tool Program	Date 2/7/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
0.00	8,100.00	Plan #1 (OH)	MWD SDI	MWD - Standard ver 1.0.1

Summary						
Site Name	Reference Measured Depth (usft)	Offset Measured Depth (usft)	Distance Between Centres (usft)	Distance Between Ellipses (usft)	Separation Factor	Warning
Offset Well - Wellbore - Design						
Lark Unit						
Lark 33-5 #21-2 - OH - OH						Out of range
Wright Unit						
Wright 33-5 #16-1 - OH - OH						Out of range
Wright 33-5 #21-1 - OH - OH	1,966.26	1,967.26	50.77	44.25	7.789	CC
Wright 33-5 #21-1 - OH - OH	2,000.00	1,999.80	50.79	44.16	7.660	ES, SF

Offset Design												Wright Unit - Wright 33-5 #21-1 - OH - OH		Offset Site Error:		0.00 usft	
Survey Program: 2000-MWD														Offset Well Error:		0.00 usft	
Reference		Offset		Semi Major Axis			Distance										
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor	Warning				
0.00	0.00	1.00	1.00	0.00	0.00	77.59	10.91	49.58	50.77	50.77	0.00	N/A					
100.00	100.00	101.00	101.00	0.11	0.11	77.59	10.91	49.58	50.77	50.55	0.23	224.574					
200.00	200.00	201.00	201.00	0.34	0.23	77.59	10.91	49.58	50.77	50.21	0.56	90.145					
300.00	300.00	301.00	301.00	0.56	0.34	77.59	10.91	49.58	50.77	49.87	0.90	56.390					
400.00	400.00	401.00	401.00	0.79	0.45	77.59	10.91	49.58	50.77	49.53	1.24	41.028					
500.00	500.00	501.00	501.00	1.01	0.56	77.59	10.91	49.58	50.77	49.20	1.57	32.243					
600.00	600.00	601.00	601.00	1.24	0.68	77.59	10.91	49.58	50.77	48.86	1.91	26.557					
700.00	700.00	701.00	701.00	1.46	0.79	77.59	10.91	49.58	50.77	48.52	2.25	22.576					
800.00	800.00	801.00	801.00	1.69	0.90	77.59	10.91	49.58	50.77	48.19	2.59	19.633					
900.00	900.00	901.00	901.00	1.91	1.01	77.59	10.91	49.58	50.77	47.85	2.92	17.369					
1,000.00	1,000.00	1,001.00	1,001.00	2.14	1.13	77.59	10.91	49.58	50.77	47.51	3.26	15.573					
1,100.00	1,100.00	1,101.00	1,101.00	2.36	1.24	77.59	10.91	49.58	50.77	47.17	3.60	14.113					
1,200.00	1,200.00	1,201.00	1,201.00	2.58	1.35	77.59	10.91	49.58	50.77	46.84	3.93	12.904					
1,300.00	1,300.00	1,301.00	1,301.00	2.81	1.46	77.59	10.91	49.58	50.77	46.50	4.27	11.885					
1,400.00	1,400.00	1,401.00	1,401.00	3.03	1.57	77.59	10.91	49.58	50.77	46.16	4.61	11.016					
1,500.00	1,500.00	1,501.00	1,501.00	3.26	1.69	77.59	10.91	49.58	50.77	45.83	4.95	10.265					
1,600.00	1,600.00	1,601.00	1,601.00	3.48	1.80	77.59	10.91	49.58	50.77	45.49	5.28	9.610					
1,700.00	1,700.00	1,701.00	1,701.00	3.71	1.91	77.59	10.91	49.58	50.77	45.15	5.62	9.034					
1,800.00	1,800.00	1,801.00	1,801.00	3.93	2.02	77.59	10.91	49.58	50.77	44.81	5.96	8.522					
1,900.00	1,900.00	1,901.00	1,901.00	4.16	2.14	77.59	10.91	49.58	50.77	44.48	6.29	8.066					
1,966.26	1,966.26	1,967.26	1,967.26	4.31	2.21	77.59	10.91	49.58	50.77	44.25	6.52	7.789	CC				



Company:	Petrox Resources	Local Co-ordinate Reference:	Well Dakota 21-3
Project:	Archuleta County, CO NAD83	TVD Reference:	GL 6235' @ 6235.00usft
Reference Site:	Dakota Unit	MD Reference:	GL 6235' @ 6235.00usft
Site Error:	0.00 usft	North Reference:	True
Reference Well:	Dakota 21-3	Survey Calculation Method:	Minimum Curvature
Well Error:	0.00 usft	Output errors are at	2.00 sigma
Reference Wellbore	OH	Database:	Grand Junction District
Reference Design:	Plan #1	Offset TVD Reference:	Offset Datum

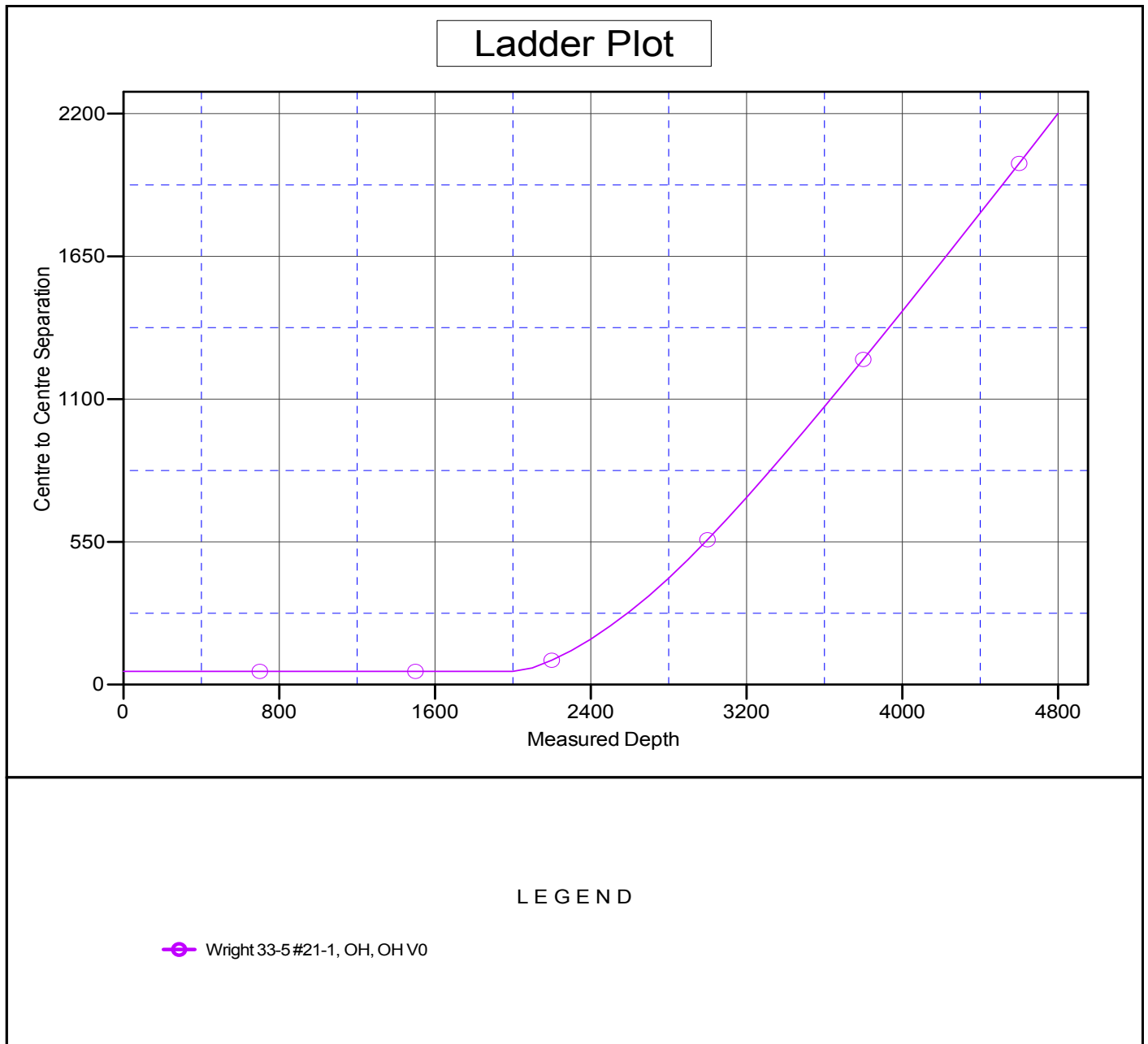
Offset Design Wright Unit - Wright 33-5 #21-1 - OH - OH													Offset Site Error:	0.00 usft
Survey Program: 2000-MWD													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
2,000.00	2,000.00	1,999.80	1,999.80	4.38	2.25	77.59	10.91	49.58	50.79	44.16	6.63	7.660	ES, SF	
2,100.00	2,100.00	2,086.84	2,085.80	4.61	2.49	74.84	16.30	60.15	64.14	57.04	7.10	9.033		
2,200.00	2,200.00	2,173.40	2,168.50	4.83	2.73	74.06	24.08	84.31	93.51	85.95	7.56	12.369		
2,300.00	2,300.00	2,261.00	2,249.82	5.06	3.10	74.16	32.79	115.61	130.61	122.61	8.00	16.321		
2,400.00	2,400.00	2,336.17	2,317.17	5.28	3.57	75.95	37.20	148.66	174.67	166.24	8.43	20.710		
2,500.00	2,500.00	2,410.13	2,380.44	5.51	4.18	78.00	39.71	186.84	225.88	217.01	8.87	25.463		
2,600.00	2,600.00	2,479.00	2,437.65	5.73	4.86	79.28	42.60	225.05	281.33	272.04	9.29	30.270		
2,700.00	2,700.00	2,534.10	2,481.15	5.96	5.51	80.05	45.39	258.74	342.55	332.85	9.70	35.309		
2,800.00	2,800.00	2,581.09	2,516.04	6.18	6.15	80.45	48.82	290.02	409.51	399.42	10.09	40.586		
2,900.00	2,900.00	2,620.03	2,543.09	6.41	6.74	80.61	52.56	317.75	481.49	471.03	10.45	46.068		
3,000.00	3,000.00	2,653.33	2,564.58	6.63	7.29	80.65	56.45	342.89	557.87	547.08	10.79	51.691		
3,100.00	3,100.00	2,682.17	2,581.97	6.86	7.80	80.65	60.20	365.60	637.72	626.60	11.11	57.382		
3,200.00	3,200.00	2,707.94	2,596.43	7.08	8.28	80.62	63.86	386.60	720.44	709.02	11.42	63.087		
3,300.00	3,300.00	2,727.99	2,607.08	7.30	8.67	80.60	66.75	403.34	805.40	793.69	11.71	68.803		
3,400.00	3,400.00	2,758.99	2,622.44	7.53	9.31	80.60	71.20	429.90	892.21	880.19	12.02	74.245		
3,500.00	3,500.00	2,771.53	2,628.26	7.75	9.57	80.60	72.98	440.86	980.49	968.21	12.27	79.877		
3,600.00	3,600.00	2,788.99	2,636.01	7.98	9.95	80.61	75.45	456.31	1,070.10	1,057.56	12.55	85.300		
3,700.00	3,700.00	2,804.22	2,642.42	8.20	10.28	80.62	77.61	469.95	1,160.80	1,147.99	12.81	90.644		
3,800.00	3,800.00	2,819.99	2,648.72	8.43	10.63	80.63	79.87	484.24	1,252.44	1,239.38	13.07	95.841		
3,900.00	3,900.00	2,819.99	2,648.72	8.65	10.63	80.63	79.87	484.24	1,345.02	1,331.73	13.29	101.185		
4,000.00	4,000.00	2,850.99	2,659.98	8.88	11.35	80.65	84.39	512.76	1,438.19	1,424.60	13.58	105.866		
4,100.00	4,100.00	2,850.99	2,659.98	9.10	11.35	80.65	84.39	512.76	1,531.86	1,518.05	13.81	110.926		
4,200.00	4,200.00	2,850.99	2,659.98	9.33	11.35	80.65	84.39	512.76	1,626.28	1,612.25	14.03	115.878		
4,300.00	4,300.00	2,866.95	2,665.16	9.55	11.72	80.66	86.76	527.66	1,721.03	1,706.74	14.29	120.430		
4,400.00	4,400.00	2,881.99	2,669.63	9.78	12.08	80.67	89.02	541.85	1,816.36	1,801.81	14.54	124.883		
4,500.00	4,500.00	2,881.99	2,669.63	10.00	12.08	80.67	89.02	541.85	1,911.92	1,897.15	14.77	129.453		
4,600.00	4,600.00	2,881.99	2,669.63	10.23	12.08	80.67	89.02	541.85	2,007.91	1,992.92	14.99	133.914		
4,700.00	4,700.00	2,881.99	2,669.63	10.45	12.08	80.67	89.02	541.85	2,104.28	2,089.06	15.22	138.268		
4,800.00	4,800.00	2,881.99	2,669.63	10.68	12.08	80.67	89.02	541.85	2,200.97	2,185.52	15.44	142.517		



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Reference Depths are relative to GL 6235' @ 6235.00usft
 Offset Depths are relative to Offset Datum
 Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: Dakota 21-3
 Coordinate System is US State Plane 1983, Colorado Southern Zone
 Grid Convergence at Surface is: -1.17°



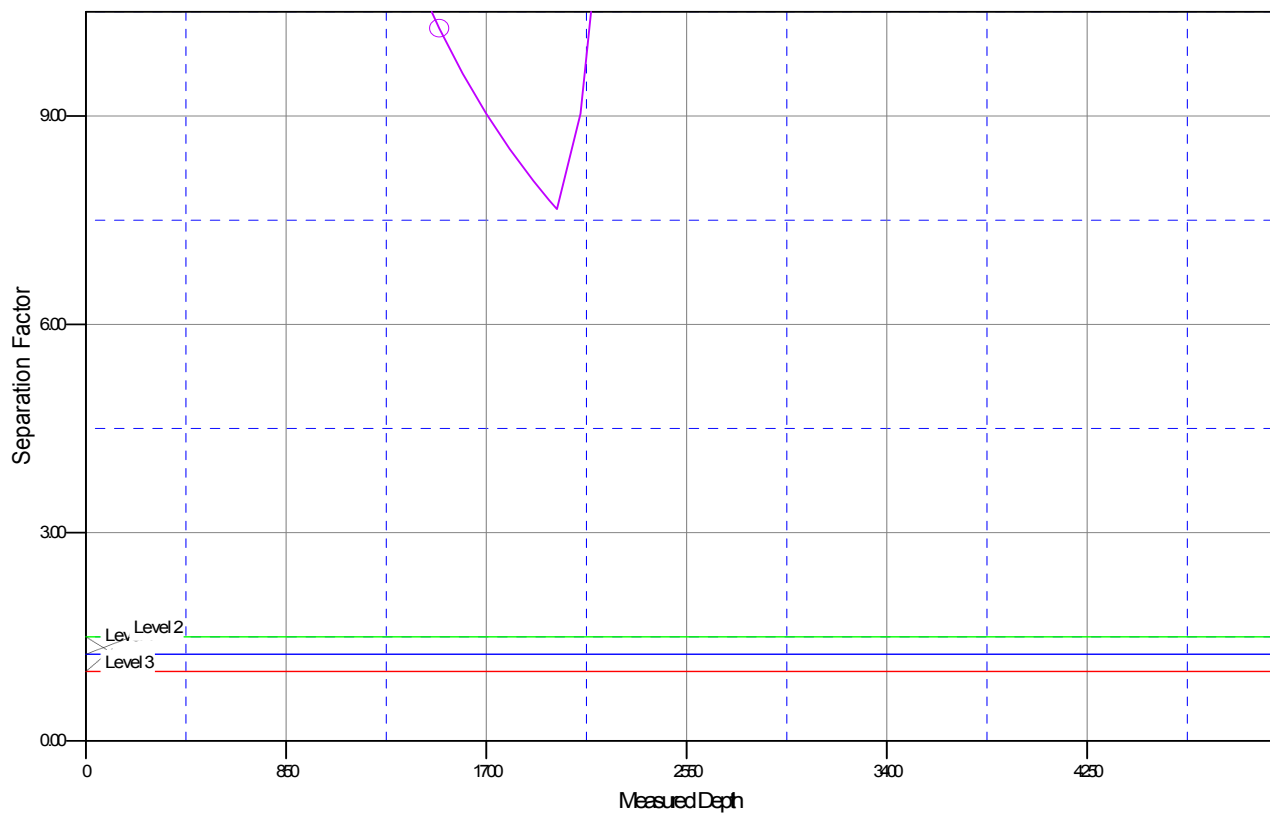


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Separation Factor Plot



LEGEND

—○— Wright 33-5#21-1, OH, OH V0