

# **AXIS EXPLORATION**

**ARAPAHOE COUNTY**

**Sec 4-T4S-R65W**

**JAMASO 4-65 5-6-2**

**ORIGINAL WELLBORE**

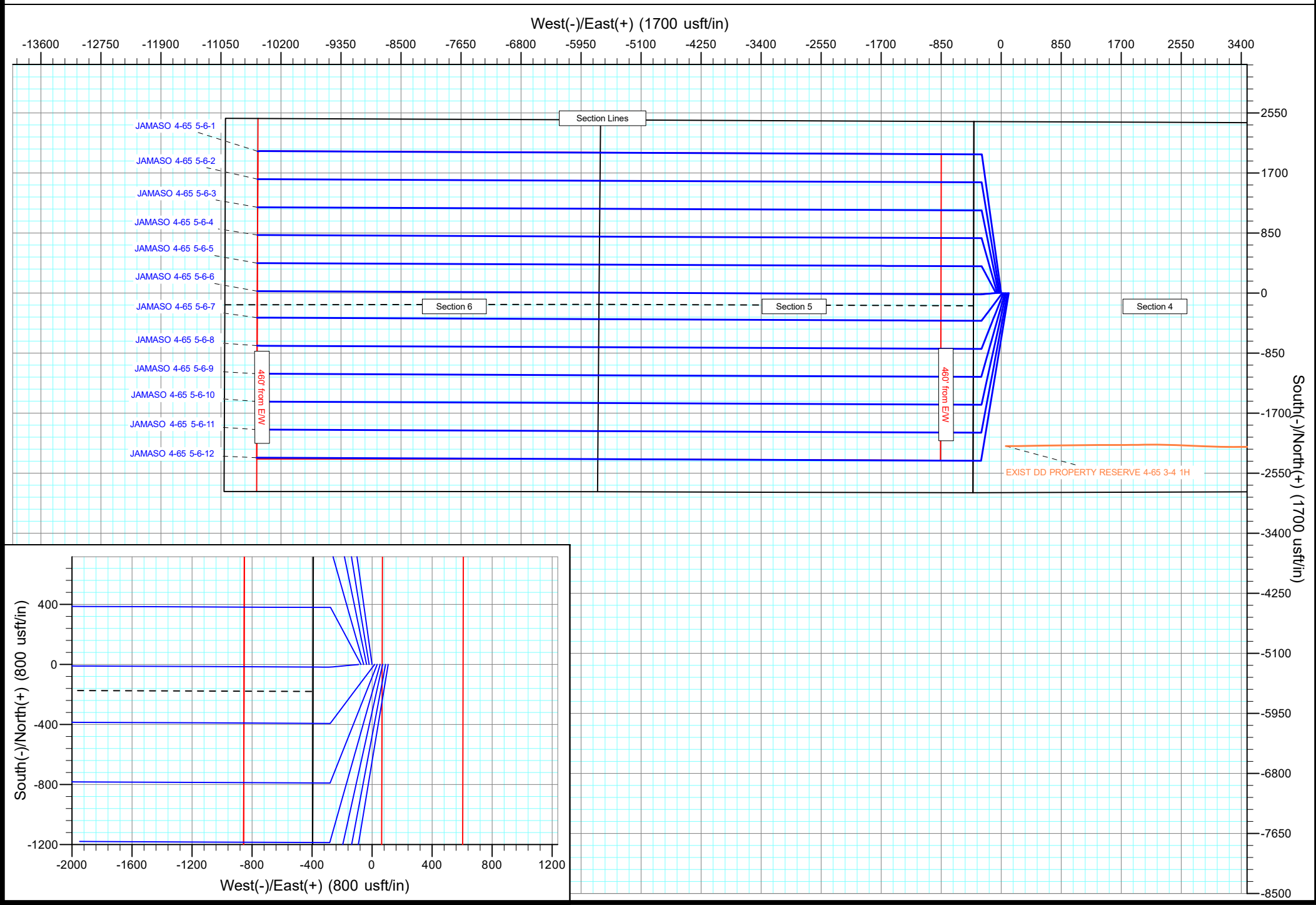
**PROPOSAL 1**

## **Anticollision Report**

**12 April, 2018**



Project: ARAPAHOE COUNTY  
Site: Sec 4-T4S-R65W  
Well: JAMASO 4-65 5-6-1  
ORIGINAL WELLBORE  
PROPOSAL 1



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Reference</b>	PROPOSAL 1		
<b>Filter type:</b>	NO GLOBAL FILTER: Using user defined selection & filtering criteria		
<b>Interpolation Method:</b>	MD + Stations Interval 100.00usft	<b>Error Model:</b>	ISCWSA
<b>Depth Range:</b>	Unlimited	<b>Scan Method:</b>	Closest Approach 3D
<b>Results Limited by:</b>	Maximum center-center distance of 9,999.98 usft	<b>Error Surface:</b>	Pedal Curve
<b>Warning Levels Evaluated at:</b>	2.00 Sigma	<b>Casing Method:</b>	Not applied

<b>Survey Tool Program</b>	<b>Date</b>	4/12/2018		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.00	18,089.93	PROPOSAL 1 (ORIGINAL WELLBORE)	MWD OWSG	OWSG MWD - Standard

<b>Summary</b>						
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						
Sec 4-T4S-R65W						
EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbo	7,854.87	16,985.00	3,771.83	3,494.85	13.618	CC, ES
EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbo	7,900.00	16,985.00	3,772.37	3,495.30	13.616	SF
JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPO	324.67	324.71	19.50	17.62	10.371	CC
JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPO	18,089.93	18,240.93	399.82	-151.73	0.725	Level 1, ES, SF
JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPO	400.00	400.00	90.00	87.58	37.195	CC
JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPO	500.00	499.98	90.30	87.16	28.794	ES
JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPO	18,089.93	18,153.00	3,147.64	2,590.61	5.651	SF
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	493.63	494.59	109.01	105.95	35.607	CC
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	500.00	500.96	109.01	105.91	35.095	ES
JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPO	18,089.93	18,212.39	3,544.35	2,987.03	6.360	SF
JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPO	421.08	422.03	124.92	122.33	48.194	CC, ES
JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPO	18,089.93	18,210.73	3,943.69	3,386.43	7.077	SF
JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPO	524.99	524.95	16.65	13.34	5.023	CC
JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPO	18,089.93	17,877.20	419.06	-107.48	0.796	Level 1, ES, SF
JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPO	584.00	583.88	36.08	32.34	9.651	CC
JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPO	600.00	600.16	36.10	32.24	9.365	ES
JAMASO 4-65 5-6-4 - ORIGINAL WELLBORE - PROPO	18,089.93	17,997.52	791.86	236.88	1.427	Level 3, SF
JAMASO 4-65 5-6-5 - ORIGINAL WELLBORE - PROPO	622.47	622.24	52.74	48.72	13.132	CC
JAMASO 4-65 5-6-5 - ORIGINAL WELLBORE - PROPO	700.00	700.55	53.21	48.62	11.615	ES
JAMASO 4-65 5-6-5 - ORIGINAL WELLBORE - PROPO	18,089.93	17,912.86	1,187.52	632.42	2.139	SF
JAMASO 4-65 5-6-6 - ORIGINAL WELLBORE - PROPO	655.21	654.87	69.39	65.14	16.317	CC
JAMASO 4-65 5-6-6 - ORIGINAL WELLBORE - PROPO	700.00	700.55	69.52	64.94	15.178	ES
JAMASO 4-65 5-6-6 - ORIGINAL WELLBORE - PROPO	18,089.93	17,769.35	1,590.23	1,037.45	2.877	SF
JAMASO 4-65 5-6-7 - ORIGINAL WELLBORE - PROPO	400.00	400.00	36.56	34.14	15.110	CC
JAMASO 4-65 5-6-7 - ORIGINAL WELLBORE - PROPO	500.00	500.02	36.88	33.75	11.761	ES
JAMASO 4-65 5-6-7 - ORIGINAL WELLBORE - PROPO	18,089.93	17,968.20	1,960.35	1,404.22	3.525	SF
JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPO	400.00	400.00	53.44	51.02	22.084	CC
JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPO	500.00	500.02	53.75	50.61	17.138	ES
JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPO	18,089.93	17,962.33	2,356.83	1,800.48	4.236	SF
JAMASO 4-65 5-6-9 - ORIGINAL WELLBORE - PROPO	400.00	400.00	73.12	70.71	30.221	CC
JAMASO 4-65 5-6-9 - ORIGINAL WELLBORE - PROPO	500.00	500.02	73.43	70.29	23.413	ES
JAMASO 4-65 5-6-9 - ORIGINAL WELLBORE - PROPO	18,089.93	17,892.61	2,757.14	2,201.00	4.958	SF

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 83-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		
0.00	0.00	16,985.00	8,060.83	0.00	249.75	177.75	-2,164.51	85.10	8,245.46					
100.00	100.00	16,985.00	8,060.83	0.13	249.75	177.75	-2,164.51	85.10	8,149.01	8,049.15	99.87	81.598		
200.00	200.00	16,985.00	8,060.83	0.49	249.75	177.75	-2,164.51	85.10	8,052.66	7,952.28	100.38	80.222		
300.00	300.00	16,985.00	8,060.83	0.85	249.75	177.75	-2,164.51	85.10	7,956.39	7,855.47	100.92	78.842		
400.00	400.00	16,985.00	8,060.83	1.21	249.75	177.75	-2,164.51	85.10	7,860.21	7,758.73	101.48	77.458		
500.00	499.98	16,985.00	8,060.83	1.57	249.75	-173.71	-2,164.51	85.10	7,764.64	7,662.55	102.09	76.059		
600.00	599.84	16,985.00	8,060.83	1.93	249.75	-174.31	-2,164.51	85.10	7,670.27	7,567.49	102.78	74.627		
700.00	699.45	16,985.00	8,060.83	2.30	249.75	-174.79	-2,164.51	85.10	7,577.28	7,473.70	103.58	73.157		
800.00	798.70	16,985.00	8,060.83	2.67	249.75	-175.18	-2,164.51	85.10	7,485.82	7,381.34	104.48	71.651		
900.00	897.47	16,985.00	8,060.83	3.07	249.75	-175.51	-2,164.51	85.10	7,396.07	7,290.58	105.49	70.113		
1,000.00	995.62	16,985.00	8,060.83	3.49	249.75	-175.79	-2,164.51	85.10	7,308.21	7,201.59	106.62	68.546		
1,100.00	1,093.06	16,985.00	8,060.83	3.94	249.75	-176.03	-2,164.51	85.10	7,222.41	7,114.54	107.87	66.955		
1,123.07	1,115.42	16,985.00	8,060.83	4.05	249.75	-176.08	-2,164.51	85.10	7,202.92	7,094.76	108.16	66.592		
1,200.00	1,189.91	16,985.00	8,060.83	4.42	249.75	-176.08	-2,164.51	85.10	7,138.28	7,029.04	109.24	65.347		
1,300.00	1,286.74	16,985.00	8,060.83	4.92	249.75	-176.08	-2,164.51	85.10	7,054.61	6,943.93	110.68	63.738		
1,400.00	1,383.57	16,985.00	8,060.83	5.42	249.75	-176.08	-2,164.51	85.10	6,971.38	6,859.20	112.18	62.144		
1,500.00	1,480.40	16,985.00	8,060.83	5.93	249.75	-176.08	-2,164.51	85.10	6,888.59	6,774.85	113.74	60.566		
1,600.00	1,577.24	16,985.00	8,060.83	6.45	249.75	-176.08	-2,164.51	85.10	6,806.26	6,690.92	115.35	59.008		
1,700.00	1,674.07	16,985.00	8,060.83	6.97	249.75	-176.08	-2,164.51	85.10	6,724.42	6,607.41	117.01	57.469		
1,800.00	1,770.90	16,985.00	8,060.83	7.49	249.75	-176.08	-2,164.51	85.10	6,643.07	6,524.34	118.73	55.953		
1,900.00	1,867.73	16,985.00	8,060.83	8.02	249.75	-176.08	-2,164.51	85.10	6,562.23	6,441.73	120.50	54.458		
2,000.00	1,964.56	16,985.00	8,060.83	8.54	249.75	-176.08	-2,164.51	85.10	6,481.93	6,359.60	122.33	52.988		
2,100.00	2,061.39	16,985.00	8,060.83	9.07	249.75	-176.08	-2,164.51	85.10	6,402.19	6,277.98	124.21	51.542		
2,200.00	2,158.23	16,985.00	8,060.83	9.61	249.75	-176.08	-2,164.51	85.10	6,323.02	6,196.86	126.15	50.121		
2,300.00	2,255.06	16,985.00	8,060.83	10.14	249.75	-176.08	-2,164.51	85.10	6,244.45	6,116.29	128.15	48.726		
2,400.00	2,351.89	16,985.00	8,060.83	10.67	249.75	-176.08	-2,164.51	85.10	6,166.50	6,036.29	130.21	47.358		
2,500.00	2,448.72	16,985.00	8,060.83	11.21	249.75	-176.08	-2,164.51	85.10	6,089.19	5,956.87	132.33	46.017		
2,600.00	2,545.55	16,985.00	8,060.83	11.74	249.75	-176.08	-2,164.51	85.10	6,012.55	5,878.05	134.50	44.703		
2,700.00	2,642.38	16,985.00	8,060.83	12.28	249.75	-176.08	-2,164.51	85.10	5,936.61	5,799.88	136.73	43.417		
2,800.00	2,739.22	16,985.00	8,060.83	12.82	249.75	-176.08	-2,164.51	85.10	5,861.39	5,722.36	139.03	42.159		
2,900.00	2,836.05	16,985.00	8,060.83	13.35	249.75	-176.08	-2,164.51	85.10	5,786.92	5,645.54	141.39	40.930		
3,000.00	2,932.88	16,985.00	8,060.83	13.89	249.75	-176.08	-2,164.51	85.10	5,713.23	5,569.43	143.80	39.730		
3,100.00	3,029.71	16,985.00	8,060.83	14.43	249.75	-176.08	-2,164.51	85.10	5,640.35	5,494.07	146.28	38.558		
3,200.00	3,126.54	16,985.00	8,060.83	14.97	249.75	-176.08	-2,164.51	85.10	5,568.32	5,419.49	148.82	37.416		
3,300.00	3,223.37	16,985.00	8,060.83	15.51	249.75	-176.08	-2,164.51	85.10	5,497.15	5,345.73	151.42	36.303		
3,400.00	3,320.21	16,985.00	8,060.83	16.05	249.75	-176.08	-2,164.51	85.10	5,426.90	5,272.81	154.09	35.219		
3,500.00	3,417.04	16,985.00	8,060.83	16.59	249.75	-176.08	-2,164.51	85.10	5,357.59	5,200.78	156.82	34.165		
3,600.00	3,513.87	16,985.00	8,060.83	17.13	249.75	-176.08	-2,164.51	85.10	5,289.27	5,129.67	159.60	33.140		
3,700.00	3,610.70	16,985.00	8,060.83	17.67	249.75	-176.08	-2,164.51	85.10	5,221.97	5,059.51	162.45	32.145		
3,800.00	3,707.53	16,985.00	8,060.83	18.21	249.75	-176.08	-2,164.51	85.10	5,155.72	4,990.36	165.36	31.179		
3,900.00	3,804.36	16,985.00	8,060.83	18.75	249.75	-176.08	-2,164.51	85.10	5,090.58	4,922.26	168.33	30.242		
4,000.00	3,901.19	16,985.00	8,060.83	19.29	249.75	-176.08	-2,164.51	85.10	5,026.59	4,855.24	171.35	29.335		
4,100.00	3,998.03	16,985.00	8,060.83	19.83	249.75	-176.08	-2,164.51	85.10	4,963.78	4,789.35	174.43	28.457		
4,200.00	4,094.86	16,985.00	8,060.83	20.37	249.75	-176.08	-2,164.51	85.10	4,902.22	4,724.65	177.57	27.608		
4,300.00	4,191.69	16,985.00	8,060.83	20.91	249.75	-176.08	-2,164.51	85.10	4,841.93	4,661.18	180.75	26.788		
4,400.00	4,288.52	16,985.00	8,060.83	21.45	249.75	-176.08	-2,164.51	85.10	4,782.97	4,598.99	183.99	25.996		
4,500.00	4,385.35	16,985.00	8,060.83	21.99	249.75	-176.08	-2,164.51	85.10	4,725.40	4,538.13	187.27	25.234		
4,600.00	4,482.18	16,985.00	8,060.83	22.54	249.75	-176.08	-2,164.51	85.10	4,669.26	4,478.67	190.59	24.499		
4,700.00	4,579.02	16,985.00	8,060.83	23.08	249.75	-176.08	-2,164.51	85.10	4,614.60	4,420.65	193.95	23.793		
4,800.00	4,675.85	16,985.00	8,060.83	23.62	249.75	-176.08	-2,164.51	85.10	4,561.48	4,364.14	197.34	23.115		
4,900.00	4,772.68	16,985.00	8,060.83	24.16	249.75	-176.08	-2,164.51	85.10	4,509.95	4,309.18	200.76	22.464		
5,000.00	4,869.51	16,985.00	8,060.83	24.70	249.75	-176.08	-2,164.51	85.10	4,460.06	4,255.86	204.21	21.841		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 83-MWDD													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		
5,100.00	4,966.34	16,985.00	8,060.83	25.24	249.75	-176.08	-2,164.51	85.10	4,411.89	4,204.22	207.67	21.245		
5,200.00	5,063.17	16,985.00	8,060.83	25.79	249.75	-176.08	-2,164.51	85.10	4,365.47	4,154.32	211.14	20.675		
5,300.00	5,160.01	16,985.00	8,060.83	26.33	249.75	-176.08	-2,164.51	85.10	4,320.86	4,106.24	214.62	20.133		
5,400.00	5,256.84	16,985.00	8,060.83	26.87	249.75	-176.08	-2,164.51	85.10	4,278.13	4,060.04	218.09	19.616		
5,500.00	5,353.67	16,985.00	8,060.83	27.41	249.75	-176.08	-2,164.51	85.10	4,237.33	4,015.77	221.56	19.125		
5,600.00	5,450.50	16,985.00	8,060.83	27.96	249.75	-176.08	-2,164.51	85.10	4,198.51	3,973.52	225.00	18.660		
5,700.00	5,547.33	16,985.00	8,060.83	28.50	249.75	-176.08	-2,164.51	85.10	4,161.74	3,933.33	228.41	18.220		
5,800.00	5,644.16	16,985.00	8,060.83	29.04	249.75	-176.08	-2,164.51	85.10	4,127.06	3,895.27	231.79	17.805		
5,900.00	5,741.00	16,985.00	8,060.83	29.58	249.75	-176.08	-2,164.51	85.10	4,094.53	3,859.41	235.12	17.415		
6,000.00	5,837.83	16,985.00	8,060.83	30.12	249.75	-176.08	-2,164.51	85.10	4,064.20	3,825.81	238.39	17.048		
6,100.00	5,934.66	16,985.00	8,060.83	30.67	249.75	-176.08	-2,164.51	85.10	4,036.12	3,794.53	241.60	16.706		
6,200.00	6,031.49	16,985.00	8,060.83	31.21	249.75	-176.08	-2,164.51	85.10	4,010.34	3,765.62	244.73	16.387		
6,300.00	6,128.32	16,985.00	8,060.83	31.75	249.75	-176.08	-2,164.51	85.10	3,986.91	3,739.13	247.77	16.091		
6,400.00	6,225.15	16,985.00	8,060.83	32.29	249.75	-176.08	-2,164.51	85.10	3,965.85	3,715.13	250.72	15.818		
6,500.00	6,321.99	16,985.00	8,060.83	32.84	249.75	-176.08	-2,164.51	85.10	3,947.22	3,693.65	253.57	15.567		
6,600.00	6,418.82	16,985.00	8,060.83	33.38	249.75	-176.08	-2,164.51	85.10	3,931.04	3,674.75	256.29	15.338		
6,700.00	6,515.65	16,985.00	8,060.83	33.92	249.75	-176.08	-2,164.51	85.10	3,917.35	3,658.45	258.90	15.131		
6,756.73	6,570.58	16,985.00	8,060.83	34.23	249.75	-176.08	-2,164.51	85.10	3,910.70	3,650.38	260.32	15.023		
6,800.00	6,612.56	16,985.00	8,060.83	34.46	249.75	-176.07	-2,164.51	85.10	3,905.85	3,644.48	261.37	14.943		
6,900.00	6,710.15	16,985.00	8,060.83	34.97	249.75	-176.06	-2,164.51	85.10	3,893.97	3,630.28	263.70	14.767		
7,000.00	6,808.44	16,985.00	8,060.83	35.43	249.75	-176.04	-2,164.51	85.10	3,881.17	3,615.30	265.86	14.598		
7,100.00	6,907.31	16,985.00	8,060.83	35.85	249.75	-176.02	-2,164.51	85.10	3,867.44	3,599.57	267.87	14.438		
7,200.00	7,006.64	16,985.00	8,060.83	36.23	249.75	-176.00	-2,164.51	85.10	3,852.81	3,583.09	269.72	14.285		
7,300.00	7,106.32	16,985.00	8,060.83	36.57	249.75	-175.98	-2,164.51	85.10	3,837.26	3,565.87	271.40	14.139		
7,400.00	7,206.21	16,985.00	8,060.83	36.87	249.75	-175.95	-2,164.51	85.10	3,820.82	3,547.91	272.91	14.000		
7,479.80	7,286.00	16,985.00	8,060.83	37.07	249.75	174.77	-2,164.51	85.10	3,807.06	3,533.07	273.99	13.895		
7,499.99	7,306.18	16,985.00	8,060.83	37.12	249.75	174.77	-2,164.51	85.10	3,803.56	3,529.31	274.25	13.869		
7,509.80	7,316.00	16,985.00	8,060.83	37.15	249.75	174.77	-2,164.51	85.10	3,801.90	3,527.53	274.37	13.857		
7,550.00	7,356.16	16,985.00	8,060.83	37.25	249.75	-96.13	-2,164.51	85.10	3,795.48	3,520.63	274.85	13.809		
7,600.00	7,405.83	16,985.00	8,060.83	37.38	249.75	-96.83	-2,164.51	85.10	3,788.49	3,513.11	275.38	13.757		
7,650.00	7,454.80	16,985.00	8,060.83	37.51	249.75	-97.41	-2,164.51	85.10	3,782.67	3,506.82	275.85	13.713		
7,700.00	7,502.72	16,985.00	8,060.83	37.65	249.75	-97.87	-2,164.51	85.10	3,778.06	3,501.82	276.24	13.677		
7,750.00	7,549.22	16,985.00	8,060.83	37.80	249.75	-98.20	-2,164.51	85.10	3,774.70	3,498.14	276.56	13.649		
7,800.00	7,593.95	16,985.00	8,060.83	37.95	249.75	-98.41	-2,164.51	85.10	3,772.62	3,495.82	276.80	13.629		
7,850.00	7,636.56	16,985.00	8,060.83	38.11	249.75	-98.48	-2,164.51	85.10	3,771.84	3,494.87	276.97	13.618		
7,854.87	7,640.59	16,985.00	8,060.83	38.13	249.75	-98.48	-2,164.51	85.10	3,771.83	3,494.85	276.98	13.618 CC, ES		
7,900.00	7,676.73	16,985.00	8,060.83	38.28	249.75	-98.43	-2,164.51	85.10	3,772.37	3,495.30	277.06	13.616 SF		
7,950.00	7,714.16	16,985.00	8,060.83	38.45	249.75	-98.25	-2,164.51	85.10	3,774.19	3,497.11	277.09	13.621		
8,000.00	7,748.55	16,985.00	8,060.83	38.63	249.75	-97.94	-2,164.51	85.10	3,777.30	3,500.26	277.04	13.634		
8,050.00	7,779.66	16,985.00	8,060.83	38.82	249.75	-97.51	-2,164.51	85.10	3,781.67	3,504.73	276.94	13.655		
8,100.00	7,807.24	16,985.00	8,060.83	39.03	249.75	-96.95	-2,164.51	85.10	3,787.27	3,510.48	276.79	13.683		
8,150.00	7,831.08	16,985.00	8,060.83	39.26	249.75	-96.27	-2,164.51	85.10	3,794.03	3,517.44	276.59	13.717		
8,200.00	7,850.99	16,985.00	8,060.83	39.50	249.75	-95.48	-2,164.51	85.10	3,801.91	3,525.56	276.35	13.758		
8,250.00	7,866.84	16,985.00	8,060.83	39.78	249.75	-94.57	-2,164.51	85.10	3,810.84	3,534.77	276.07	13.804		
8,300.00	7,878.50	16,985.00	8,060.83	40.08	249.75	-93.57	-2,164.51	85.10	3,820.74	3,544.98	275.76	13.855		
8,350.00	7,885.88	16,985.00	8,060.83	40.42	249.75	-92.46	-2,164.51	85.10	3,831.53	3,556.10	275.43	13.911		
8,400.00	7,888.92	16,985.00	8,060.83	40.79	249.75	-91.27	-2,164.51	85.10	3,843.13	3,568.06	275.07	13.971		
8,409.88	7,889.00	16,985.00	8,060.83	40.87	249.75	-91.03	-2,164.51	85.10	3,845.51	3,570.51	275.00	13.984		
8,500.00	7,889.00	16,985.00	8,060.83	41.64	249.75	-91.03	-2,164.51	85.10	3,868.31	3,593.99	274.32	14.101		
8,600.00	7,889.00	16,985.00	8,060.83	42.65	249.75	-91.03	-2,164.51	85.10	3,895.90	3,622.35	273.55	14.242		
8,700.00	7,889.00	16,985.00	8,060.83	43.81	249.75	-91.03	-2,164.51	85.10	3,925.84	3,653.09	272.74	14.394		
8,800.00	7,889.00	16,985.00	8,060.83	45.13	249.75	-91.03	-2,164.51	85.10	3,958.08	3,686.18	271.90	14.557		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 83-MWDD													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		
8,900.00	7,888.99	16,985.00	8,060.83	46.58	249.75	-91.03	-2,164.51	85.10	3,992.57	3,721.55	271.01	14.732		
9,000.00	7,888.99	16,985.00	8,060.83	48.17	249.75	-91.03	-2,164.51	85.10	4,029.24	3,759.16	270.08	14.919		
9,100.00	7,888.99	16,985.00	8,060.83	49.86	249.75	-91.03	-2,164.51	85.10	4,068.04	3,798.95	269.09	15.118		
9,200.00	7,888.99	16,985.00	8,060.83	51.66	249.75	-91.03	-2,164.51	85.10	4,108.91	3,840.85	268.06	15.328		
9,300.00	7,888.99	16,985.00	8,060.83	53.55	249.75	-91.03	-2,164.51	85.10	4,151.79	3,884.82	266.97	15.551		
9,400.00	7,888.99	16,985.00	8,060.83	55.51	249.75	-91.03	-2,164.51	85.10	4,196.61	3,930.77	265.84	15.786		
9,500.00	7,888.99	16,985.00	8,060.83	57.54	249.75	-91.03	-2,164.51	85.10	4,243.32	3,978.66	264.66	16.033		
9,600.00	7,888.99	16,985.00	8,060.83	59.63	249.75	-91.03	-2,164.51	85.10	4,291.85	4,028.42	263.43	16.292		
9,700.00	7,888.99	16,985.00	8,060.83	61.77	249.75	-91.03	-2,164.51	85.10	4,342.14	4,079.98	262.16	16.563		
9,800.00	7,888.98	16,985.00	8,060.83	63.96	249.75	-91.03	-2,164.51	85.10	4,394.13	4,133.28	260.85	16.846		
9,900.00	7,888.98	16,985.00	8,060.83	66.19	249.75	-91.03	-2,164.51	85.10	4,447.76	4,188.26	259.50	17.140		
10,000.00	7,888.98	16,985.00	8,060.83	68.46	249.75	-91.03	-2,164.51	85.10	4,502.97	4,244.85	258.12	17.445		
10,100.00	7,888.98	16,985.00	8,060.83	70.76	249.75	-91.03	-2,164.51	85.10	4,559.71	4,303.00	256.71	17.762		
10,200.00	7,888.98	16,985.00	8,060.83	73.08	249.75	-91.03	-2,164.51	85.10	4,617.92	4,362.64	255.28	18.090		
10,300.00	7,888.98	16,985.00	8,060.83	75.44	249.75	-91.03	-2,164.51	85.10	4,677.54	4,423.72	253.82	18.428		
10,400.00	7,888.98	16,985.00	8,060.83	77.81	249.75	-91.03	-2,164.51	85.10	4,738.52	4,486.17	252.35	18.778		
10,500.00	7,888.98	16,985.00	8,060.83	80.21	249.75	-91.03	-2,164.51	85.10	4,800.81	4,549.95	250.86	19.138		
10,600.00	7,888.98	16,985.00	8,060.83	82.63	249.75	-91.03	-2,164.51	85.10	4,864.36	4,615.00	249.36	19.508		
10,700.00	7,888.98	16,985.00	8,060.83	85.06	249.75	-91.03	-2,164.51	85.10	4,929.12	4,681.27	247.85	19.888		
10,800.00	7,888.98	16,985.00	8,060.83	87.51	249.75	-91.03	-2,164.51	85.10	4,995.04	4,748.71	246.33	20.278		
10,900.00	7,888.98	16,985.00	8,060.83	89.98	249.75	-91.03	-2,164.51	85.10	5,062.08	4,817.27	244.81	20.678		
11,000.00	7,888.98	16,985.00	8,060.83	92.46	249.75	-91.03	-2,164.51	85.10	5,130.19	4,886.90	243.29	21.087		
11,100.00	7,888.97	16,985.00	8,060.83	94.95	249.75	-91.03	-2,164.51	85.10	5,199.33	4,957.56	241.77	21.505		
11,200.00	7,888.97	16,985.00	8,060.83	97.45	249.75	-91.03	-2,164.51	85.10	5,269.46	5,029.21	240.26	21.933		
11,300.00	7,888.97	16,985.00	8,060.83	99.96	249.75	-91.03	-2,164.51	85.10	5,340.55	5,101.80	238.75	22.369		
11,400.00	7,888.97	16,985.00	8,060.83	102.48	249.75	-91.03	-2,164.51	85.10	5,412.55	5,175.30	237.25	22.814		
11,500.00	7,888.97	16,985.00	8,060.83	105.01	249.75	-91.03	-2,164.51	85.10	5,485.43	5,249.67	235.75	23.268		
11,600.00	7,888.97	16,985.00	8,060.83	107.54	249.75	-91.03	-2,164.51	85.10	5,559.15	5,324.88	234.27	23.730		
11,700.00	7,888.97	16,985.00	8,060.83	110.09	249.75	-91.03	-2,164.51	85.10	5,633.68	5,400.88	232.80	24.199		
11,800.00	7,888.97	16,985.00	8,060.83	112.64	249.75	-91.03	-2,164.51	85.10	5,708.99	5,477.64	231.35	24.677		
11,900.00	7,888.97	16,985.00	8,060.83	115.20	249.75	-91.03	-2,164.51	85.10	5,785.05	5,555.14	229.90	25.163		
12,000.00	7,888.97	16,985.00	8,060.83	117.76	249.75	-91.03	-2,164.51	85.10	5,861.83	5,633.35	228.48	25.656		
12,100.00	7,888.97	16,985.00	8,060.83	120.33	249.75	-91.03	-2,164.51	85.10	5,939.29	5,712.23	227.06	26.157		
12,200.00	7,888.97	16,985.00	8,060.83	122.91	249.75	-91.03	-2,164.51	85.10	6,017.43	5,791.76	225.67	26.665		
12,300.00	7,888.97	16,985.00	8,060.83	125.49	249.75	-91.03	-2,164.51	85.10	6,096.20	5,871.91	224.29	27.180		
12,400.00	7,888.97	16,985.00	8,060.83	128.07	249.75	-91.03	-2,164.51	85.10	6,175.59	5,952.66	222.93	27.702		
12,500.00	7,888.97	16,985.00	8,060.83	130.66	249.75	-91.03	-2,164.51	85.10	6,255.57	6,033.97	221.59	28.230		
12,600.00	7,888.97	16,985.00	8,060.83	133.26	249.75	-91.03	-2,164.51	85.10	6,336.11	6,115.85	220.27	28.765		
12,700.00	7,888.97	16,985.00	8,060.83	135.85	249.75	-91.03	-2,164.51	85.10	6,417.21	6,198.24	218.96	29.307		
12,800.00	7,888.97	16,985.00	8,060.83	138.45	249.75	-91.03	-2,164.51	85.10	6,498.83	6,281.15	217.68	29.855		
12,900.00	7,888.97	16,985.00	8,060.83	141.06	249.75	-91.03	-2,164.51	85.10	6,580.96	6,364.55	216.41	30.409		
13,000.00	7,888.97	16,985.00	8,060.83	143.66	249.75	-91.03	-2,164.51	85.10	6,663.58	6,448.41	215.17	30.969		
13,100.00	7,888.97	16,985.00	8,060.83	146.28	249.75	-91.03	-2,164.51	85.10	6,746.66	6,532.73	213.94	31.536		
13,200.00	7,888.97	16,985.00	8,060.83	148.89	249.75	-91.03	-2,164.51	85.10	6,830.21	6,617.47	212.73	32.107		
13,300.00	7,888.97	16,985.00	8,060.83	151.50	249.75	-91.03	-2,164.51	85.10	6,914.18	6,702.64	211.54	32.685		
13,400.00	7,888.97	16,985.00	8,060.83	154.12	249.75	-91.03	-2,164.51	85.10	6,998.58	6,788.21	210.37	33.268		
13,500.00	7,888.97	16,985.00	8,060.83	156.74	249.75	-91.03	-2,164.51	85.10	7,083.39	6,874.17	209.22	33.856		
13,600.00	7,888.97	16,985.00	8,060.83	159.37	249.75	-91.03	-2,164.51	85.10	7,168.59	6,960.50	208.09	34.449		
13,700.00	7,888.97	16,985.00	8,060.83	161.99	249.75	-91.03	-2,164.51	85.10	7,254.16	7,047.18	206.98	35.048		
13,800.00	7,888.97	16,985.00	8,060.83	164.62	249.75	-91.03	-2,164.51	85.10	7,340.10	7,134.22	205.88	35.651		
13,900.00	7,888.97	16,985.00	8,060.83	167.25	249.75	-91.03	-2,164.51	85.10	7,426.40	7,221.58	204.81	36.260		
14,000.00	7,888.97	16,985.00	8,060.83	169.88	249.75	-91.03	-2,164.51	85.10	7,513.03	7,309.27	203.75	36.873		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

<b>Offset Design</b> Sec 4-T4S-R65W - EXIST DD PROPERTY RESERVE 4-65 3-4 1H - Wellbore #1 - Wellbore #1												<b>Offset Site Error:</b>	0.00 usft
Survey Program: 83-MWD												<b>Offset Well Error:</b>	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	
14,100.00	7,888.97	16,985.00	8,060.83	172.52	249.75	-91.03	-2,164.51	85.10	7,599.99	7,397.27	202.72	37.491	
14,200.00	7,888.97	16,985.00	8,060.83	175.15	249.75	-91.03	-2,164.51	85.10	7,687.27	7,485.57	201.70	38.113	
14,300.00	7,888.97	16,985.00	8,060.83	177.79	249.75	-91.03	-2,164.51	85.10	7,774.85	7,574.16	200.69	38.740	
14,400.00	7,888.97	16,985.00	8,060.83	180.43	249.75	-91.03	-2,164.51	85.10	7,862.73	7,663.02	199.71	39.371	
14,500.00	7,888.97	16,985.00	8,060.83	183.07	249.75	-91.03	-2,164.51	85.10	7,950.90	7,752.16	198.74	40.006	
14,600.00	7,888.97	16,985.00	8,060.83	185.71	249.75	-91.03	-2,164.51	85.10	8,039.34	7,841.55	197.79	40.646	
14,700.00	7,888.97	16,985.00	8,060.83	188.35	249.75	-91.03	-2,164.51	85.10	8,128.05	7,931.20	196.86	41.289	
14,800.00	7,888.97	16,985.00	8,060.83	190.99	249.75	-91.03	-2,164.51	85.10	8,217.03	8,021.09	195.94	41.937	
14,900.00	7,888.97	16,985.00	8,060.83	193.64	249.75	-91.03	-2,164.51	85.10	8,306.25	8,111.21	195.04	42.588	
15,000.00	7,888.97	16,985.00	8,060.83	196.29	249.75	-91.03	-2,164.51	85.10	8,395.71	8,201.56	194.15	43.243	
15,100.00	7,888.97	16,985.00	8,060.83	198.93	249.75	-91.03	-2,164.51	85.10	8,485.41	8,292.13	193.28	43.901	
15,200.00	7,888.97	16,985.00	8,060.83	201.58	249.75	-91.03	-2,164.51	85.10	8,575.34	8,382.91	192.43	44.564	
15,300.00	7,888.97	16,985.00	8,060.83	204.23	249.75	-91.03	-2,164.51	85.10	8,665.49	8,473.90	191.59	45.229	
15,400.00	7,888.97	16,985.00	8,060.83	206.88	249.75	-91.03	-2,164.51	85.10	8,755.86	8,565.09	190.77	45.898	
15,500.00	7,888.98	16,985.00	8,060.83	209.54	249.75	-91.03	-2,164.51	85.10	8,846.43	8,656.47	189.96	46.570	
15,600.00	7,888.98	16,985.00	8,060.83	212.19	249.75	-91.03	-2,164.51	85.10	8,937.20	8,748.03	189.16	47.246	
15,700.00	7,888.98	16,985.00	8,060.83	214.84	249.75	-91.03	-2,164.51	85.10	9,028.16	8,839.78	188.38	47.925	
15,800.00	7,888.98	16,985.00	8,060.83	217.50	249.75	-91.03	-2,164.51	85.10	9,119.32	8,931.70	187.62	48.606	
15,900.00	7,888.98	16,985.00	8,060.83	220.15	249.75	-91.03	-2,164.51	85.10	9,210.66	9,023.80	186.86	49.291	
16,000.00	7,888.98	16,985.00	8,060.83	222.81	249.75	-91.03	-2,164.51	85.10	9,302.18	9,116.06	186.12	49.979	
16,100.00	7,888.98	16,985.00	8,060.83	225.47	249.75	-91.03	-2,164.51	85.10	9,393.87	9,208.47	185.40	50.669	
16,200.00	7,888.98	16,985.00	8,060.83	228.13	249.75	-91.03	-2,164.51	85.10	9,485.73	9,301.04	184.68	51.362	
16,300.00	7,888.98	16,985.00	8,060.83	230.78	249.75	-91.03	-2,164.51	85.10	9,577.75	9,393.77	183.98	52.058	
16,400.00	7,888.98	16,985.00	8,060.83	233.44	249.75	-91.03	-2,164.51	85.10	9,669.93	9,486.64	183.29	52.757	
16,500.00	7,888.98	16,985.00	8,060.83	236.10	249.75	-91.03	-2,164.51	85.10	9,762.26	9,579.65	182.62	53.458	
16,600.00	7,888.98	16,985.00	8,060.83	238.77	249.75	-91.03	-2,164.51	85.10	9,854.75	9,672.80	181.95	54.161	
16,700.00	7,888.98	16,985.00	8,060.83	241.43	249.75	-91.03	-2,164.51	85.10	9,947.38	9,766.08	181.30	54.867	

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	19.69	19.69					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	19.69	19.69	19.42	0.27	73.227		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	19.69	19.69	18.70	0.99	19.971		
300.00	300.00	300.05	300.03	0.85	0.85	84.92	1.73	19.45	19.52	17.82	1.70	11.466		
324.67	324.67	324.71	324.67	0.94	0.94	82.08	2.69	19.31	19.50	17.62	1.88	10.371 CC		
400.00	400.00	399.86	399.70	1.21	1.22	69.77	6.90	18.73	19.96	17.54	2.42	8.239		
500.00	499.98	499.35	498.81	1.57	1.58	61.55	15.48	17.53	22.54	19.39	3.15	7.157		
600.00	599.84	598.60	597.32	1.93	1.97	48.70	27.42	15.87	26.78	22.90	3.88	6.907		
700.00	699.45	697.62	695.12	2.30	2.37	39.82	42.70	13.74	32.00	27.40	4.60	6.951		
800.00	798.70	796.39	792.10	2.67	2.80	33.66	61.26	11.16	37.79	32.46	5.33	7.086		
900.00	897.47	894.94	888.15	3.07	3.26	29.30	83.08	8.12	43.89	37.83	6.06	7.237		
1,000.00	995.62	993.27	983.17	3.49	3.76	26.12	108.09	4.64	50.17	43.37	6.80	7.375		
1,100.00	1,093.06	1,091.55	1,077.24	3.94	4.29	23.75	136.28	0.72	56.52	48.98	7.55	7.487		
1,123.07	1,115.42	1,114.58	1,099.18	4.05	4.42	23.35	143.19	-0.25	57.84	50.11	7.73	7.482		
1,200.00	1,189.91	1,191.39	1,172.39	4.42	4.86	22.27	166.22	-3.45	61.96	53.61	8.35	7.422		
1,300.00	1,286.74	1,308.76	1,267.55	4.92	5.54	21.07	196.15	-7.62	67.34	58.11	9.23	7.296		
1,400.00	1,383.57	1,408.92	1,362.71	5.42	6.12	20.04	226.09	-11.79	72.75	62.71	10.04	7.246		
1,500.00	1,480.40	1,490.93	1,457.88	5.93	6.61	19.16	256.02	-15.95	78.18	67.40	10.77	7.255		
1,600.00	1,577.24	1,590.78	1,553.04	6.45	7.20	18.39	285.96	-20.12	83.62	72.03	11.59	7.216		
1,700.00	1,674.07	1,709.38	1,648.20	6.97	7.91	17.72	315.90	-24.29	89.08	76.60	12.48	7.136		
1,800.00	1,770.90	1,809.53	1,743.36	7.49	8.51	17.12	345.83	-28.46	94.55	81.25	13.30	7.110		
1,900.00	1,867.73	1,909.69	1,838.52	8.02	9.11	16.59	375.77	-32.62	100.02	85.91	14.12	7.086		
2,000.00	1,964.56	1,990.16	1,933.68	8.54	9.60	16.11	405.70	-36.79	105.51	90.66	14.85	7.105		
2,100.00	2,061.39	2,110.00	2,028.84	9.07	10.32	15.68	435.64	-40.96	111.00	95.25	15.75	7.047		
2,200.00	2,158.23	2,189.85	2,124.00	9.61	10.80	15.30	465.58	-45.13	116.49	100.01	16.48	7.068		
2,300.00	2,255.06	2,289.70	2,219.17	10.14	11.41	14.94	495.51	-49.29	122.00	104.70	17.30	7.052		
2,400.00	2,351.89	2,389.54	2,314.33	10.67	12.01	14.62	525.45	-53.46	127.50	109.38	18.12	7.037		
2,500.00	2,448.72	2,489.39	2,409.49	11.21	12.62	14.32	555.38	-57.63	133.01	114.07	18.94	7.024		
2,600.00	2,545.55	2,589.23	2,504.65	11.74	13.23	14.05	585.32	-61.80	138.52	118.77	19.76	7.012		
2,700.00	2,642.38	2,689.08	2,599.81	12.28	13.83	13.80	615.26	-65.96	144.04	123.46	20.58	7.001		
2,800.00	2,739.22	2,788.93	2,694.97	12.82	14.44	13.57	645.19	-70.13	149.56	128.16	21.39	6.990		
2,900.00	2,836.05	2,888.77	2,790.13	13.35	15.05	13.35	675.13	-74.30	155.08	132.86	22.21	6.981		
3,000.00	2,932.88	2,988.62	2,885.29	13.89	15.66	13.15	705.06	-78.47	160.60	137.57	23.03	6.972		
3,100.00	3,029.71	3,088.46	2,980.46	14.43	16.27	12.96	735.00	-82.63	166.12	142.27	23.85	6.964		
3,200.00	3,126.54	3,188.31	3,075.62	14.97	16.88	12.78	764.94	-86.80	171.65	146.98	24.67	6.957		
3,300.00	3,223.37	3,288.15	3,170.78	15.51	17.49	12.62	794.87	-90.97	177.18	151.68	25.49	6.950		
3,400.00	3,320.21	3,388.00	3,265.94	16.05	18.10	12.46	824.81	-95.14	182.71	156.39	26.31	6.943		
3,500.00	3,417.04	3,487.85	3,361.10	16.59	18.71	12.32	854.74	-99.30	188.24	161.10	27.13	6.937		
3,600.00	3,513.87	3,587.69	3,456.26	17.13	19.32	12.18	884.68	-103.47	193.77	165.81	27.96	6.931		
3,700.00	3,610.70	3,687.54	3,551.42	17.67	19.93	12.05	914.62	-107.64	199.30	170.52	28.78	6.926		
3,800.00	3,707.53	3,787.38	3,646.58	18.21	20.54	11.93	944.55	-111.81	204.83	175.24	29.60	6.921		
3,900.00	3,804.36	3,887.23	3,741.75	18.75	21.15	11.81	974.49	-115.97	210.37	179.95	30.42	6.916		
4,000.00	3,901.19	3,987.08	3,836.91	19.29	21.76	11.70	1,004.42	-120.14	215.90	184.66	31.24	6.911		
4,100.00	3,998.03	4,086.92	3,932.07	19.83	22.37	11.59	1,034.36	-124.31	221.44	189.38	32.06	6.907		
4,200.00	4,094.86	4,186.77	4,027.23	20.37	22.98	11.49	1,064.30	-128.48	226.98	194.09	32.88	6.903		
4,300.00	4,191.69	4,286.61	4,122.39	20.91	23.59	11.40	1,094.23	-132.64	232.51	198.81	33.70	6.899		
4,400.00	4,288.52	4,386.46	4,217.55	21.45	24.20	11.31	1,124.17	-136.81	238.05	203.53	34.52	6.895		
4,500.00	4,385.35	4,486.30	4,312.71	21.99	24.81	11.22	1,154.10	-140.98	243.59	208.24	35.35	6.892		
4,600.00	4,482.18	4,586.15	4,407.87	22.54	25.42	11.14	1,184.04	-145.15	249.13	212.96	36.17	6.888		
4,700.00	4,579.02	4,686.00	4,503.04	23.08	26.03	11.06	1,213.98	-149.31	254.67	217.68	36.99	6.885		
4,800.00	4,675.85	4,785.84	4,598.20	23.62	26.64	10.98	1,243.91	-153.48	260.21	222.40	37.81	6.882		
4,900.00	4,772.68	4,885.69	4,693.36	24.16	27.25	10.91	1,273.85	-157.65	265.75	227.12	38.63	6.879		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,985.53	4,788.52	24.70	27.86	10.84	1,303.78	-161.82	271.29	231.83	39.45	6.876		
5,100.00	4,966.34	5,085.38	4,883.68	25.24	28.48	10.78	1,333.72	-165.98	276.83	236.55	40.28	6.873		
5,200.00	5,063.17	5,185.23	4,978.84	25.79	29.09	10.71	1,363.66	-170.15	282.37	241.27	41.10	6.871		
5,300.00	5,160.01	5,285.07	5,074.00	26.33	29.70	10.65	1,393.59	-174.32	287.91	245.99	41.92	6.868		
5,400.00	5,256.84	5,384.92	5,169.16	26.87	30.31	10.59	1,423.53	-178.49	293.45	250.71	42.74	6.866		
5,500.00	5,353.67	5,484.76	5,264.33	27.41	30.92	10.53	1,453.46	-182.65	299.00	255.43	43.56	6.864		
5,600.00	5,450.50	5,584.61	5,359.49	27.96	31.53	10.48	1,483.40	-186.82	304.54	260.15	44.38	6.861		
5,700.00	5,547.33	5,684.46	5,454.65	28.50	32.14	10.42	1,513.34	-190.99	310.08	264.88	45.21	6.859		
5,800.00	5,644.16	5,784.30	5,549.81	29.04	32.76	10.37	1,543.27	-195.16	315.63	269.60	46.03	6.857		
5,900.00	5,741.00	5,884.15	5,644.97	29.58	33.37	10.32	1,573.21	-199.32	321.17	274.32	46.85	6.855		
6,000.00	5,837.83	5,983.99	5,740.13	30.12	33.98	10.28	1,603.14	-203.49	326.71	279.04	47.67	6.853		
6,100.00	5,934.66	6,083.84	5,835.29	30.67	34.59	10.23	1,633.08	-207.66	332.26	283.76	48.50	6.851		
6,200.00	6,031.49	6,183.68	5,930.45	31.21	35.20	10.18	1,663.02	-211.83	337.80	288.48	49.32	6.849		
6,300.00	6,128.32	6,283.53	6,025.62	31.75	35.81	10.14	1,692.95	-215.99	343.35	293.21	50.14	6.848		
6,400.00	6,225.15	6,383.38	6,120.78	32.29	36.43	10.10	1,722.89	-220.16	348.89	297.93	50.96	6.846		
6,500.00	6,321.99	6,483.22	6,215.94	32.84	37.04	10.06	1,752.82	-224.33	354.43	302.65	51.78	6.844		
6,600.00	6,418.82	6,583.07	6,311.10	33.38	37.65	10.02	1,782.76	-228.50	359.98	307.37	52.61	6.843		
6,700.00	6,515.65	6,682.91	6,406.26	33.92	38.26	9.98	1,812.70	-232.66	365.52	312.10	53.43	6.841		
6,756.73	6,570.58	6,739.56	6,460.25	34.23	38.61	9.96	1,829.68	-235.03	368.67	314.77	53.90	6.840		
6,800.00	6,612.56	6,788.23	6,506.73	34.46	38.90	9.95	1,843.97	-237.02	371.11	316.81	54.30	6.834		
6,900.00	6,710.15	6,902.88	6,617.14	34.97	39.55	9.92	1,874.54	-241.27	376.41	321.22	55.19	6.821		
7,000.00	6,808.44	7,017.79	6,728.95	35.43	40.15	9.89	1,900.76	-244.92	381.18	325.21	55.98	6.810		
7,100.00	6,907.31	7,132.94	6,841.97	35.85	40.68	9.85	1,922.56	-247.96	385.43	328.76	56.66	6.802		
7,200.00	7,006.64	7,248.30	6,955.99	36.23	41.15	9.82	1,939.87	-250.37	389.13	331.89	57.24	6.798		
7,300.00	7,106.32	7,363.84	7,070.80	36.57	41.56	9.78	1,952.64	-252.15	392.28	334.56	57.72	6.796		
7,400.00	7,206.21	7,479.53	7,186.19	36.87	41.92	9.75	1,960.82	-253.29	394.89	336.80	58.09	6.798		
7,479.80	7,286.00	7,571.94	7,278.54	37.07	42.16	0.42	1,964.04	-253.73	396.57	338.26	58.31	6.801		
7,499.99	7,306.18	7,595.33	7,301.92	37.12	42.22	0.41	1,964.38	-253.78	396.87	338.51	58.36	6.801		
7,509.80	7,316.00	7,606.71	7,313.30	37.15	42.24	0.41	1,964.48	-253.79	396.95	338.57	58.38	6.800		
7,550.00	7,356.16	7,649.57	7,356.16	37.25	42.34	90.36	1,964.55	-253.80	397.02	338.43	58.59	6.777		
7,600.00	7,405.83	7,699.77	7,406.32	37.38	42.45	90.95	1,964.56	-255.44	397.06	338.08	58.98	6.732		
7,650.00	7,454.80	7,750.36	7,456.53	37.51	42.56	91.53	1,964.58	-261.49	397.15	337.78	59.38	6.689		
7,700.00	7,502.72	7,801.32	7,506.38	37.65	42.69	92.10	1,964.63	-272.03	397.28	337.50	59.78	6.646		
7,750.00	7,549.22	7,852.65	7,555.43	37.80	42.82	92.66	1,964.70	-287.08	397.44	337.25	60.19	6.603		
7,800.00	7,593.95	7,904.35	7,603.28	37.95	42.95	93.20	1,964.78	-306.62	397.64	337.03	60.61	6.561		
7,850.00	7,636.56	7,956.41	7,649.48	38.11	43.10	93.72	1,964.89	-330.56	397.86	336.83	61.03	6.519		
7,900.00	7,676.73	8,008.81	7,693.61	38.28	43.25	94.21	1,965.01	-358.80	398.10	336.62	61.47	6.476		
7,950.00	7,714.16	8,061.55	7,735.22	38.45	43.41	94.66	1,965.15	-391.16	398.34	336.42	61.93	6.433		
8,000.00	7,748.55	8,114.60	7,773.90	38.63	43.57	95.08	1,965.31	-427.44	398.60	336.19	62.41	6.387		
8,050.00	7,779.66	8,167.95	7,809.25	38.82	43.75	95.46	1,965.49	-467.37	398.84	335.92	62.92	6.339		
8,100.00	7,807.24	8,221.56	7,840.88	39.03	43.94	95.80	1,965.68	-510.64	399.08	335.60	63.47	6.287		
8,150.00	7,831.08	8,275.41	7,868.44	39.26	44.15	96.09	1,965.88	-556.87	399.29	335.21	64.08	6.231		
8,200.00	7,850.99	8,329.46	7,891.62	39.50	44.38	96.33	1,966.10	-605.68	399.48	334.72	64.75	6.169		
8,250.00	7,866.84	8,383.67	7,910.14	39.78	44.63	96.52	1,966.32	-656.61	399.63	334.13	65.50	6.101		
8,300.00	7,878.50	8,438.01	7,923.80	40.08	44.91	96.65	1,966.55	-709.18	399.74	333.42	66.32	6.028		
8,350.00	7,885.88	8,492.43	7,932.43	40.42	45.22	96.73	1,966.79	-762.89	399.81	332.59	67.22	5.948		
8,400.00	7,888.92	8,546.90	7,935.92	40.79	45.56	96.75	1,967.03	-817.22	399.83	331.64	68.20	5.863		
8,409.71	7,889.00	8,557.47	7,936.00	40.87	45.63	96.75	1,967.08	-827.80	399.83	331.44	68.40	5.846		
8,409.88	7,889.00	8,557.56	7,936.00	40.87	45.63	96.75	1,967.08	-827.89	399.83	331.43	68.40	5.845		
8,500.00	7,889.00	8,647.68	7,936.00	41.64	46.28	96.75	1,967.47	-918.01	399.84	329.10	70.74	5.652		
8,600.00	7,889.00	8,747.68	7,936.00	42.65	47.12	96.75	1,967.91	-1,018.01	399.85	326.25	73.60	5.433		
8,700.00	7,889.00	8,847.68	7,936.00	43.81	48.10	96.75	1,968.35	-1,118.01	399.86	323.14	76.72	5.212		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,800.00	7,889.00	8,947.68	7,935.99	45.13	49.21	96.75	1,968.79	-1,218.01	399.87	319.79	80.08	4.994		
8,900.00	7,888.99	9,047.68	7,935.99	46.58	50.46	96.75	1,969.23	-1,318.00	399.88	316.24	83.64	4.781		
9,000.00	7,888.99	9,147.68	7,935.99	48.17	51.83	96.75	1,969.67	-1,418.00	399.88	312.50	87.39	4.576		
9,100.00	7,888.99	9,247.68	7,935.99	49.86	53.33	96.75	1,970.11	-1,518.00	399.89	308.60	91.29	4.380		
9,200.00	7,888.99	9,347.68	7,935.99	51.66	54.94	96.75	1,970.55	-1,618.00	399.90	304.56	95.34	4.195		
9,300.00	7,888.99	9,447.68	7,935.99	53.55	56.65	96.75	1,970.99	-1,718.00	399.91	300.40	99.51	4.019		
9,400.00	7,888.99	9,547.68	7,935.99	55.51	58.46	96.75	1,971.43	-1,818.00	399.92	296.14	103.78	3.853		
9,500.00	7,888.99	9,647.68	7,935.98	57.54	60.34	96.75	1,971.87	-1,918.00	399.93	291.77	108.15	3.698		
9,600.00	7,888.99	9,747.68	7,935.98	59.63	62.30	96.75	1,972.31	-2,018.00	399.93	287.33	112.61	3.552		
9,700.00	7,888.99	9,847.68	7,935.98	61.77	64.32	96.75	1,972.75	-2,118.00	399.94	282.80	117.14	3.414		
9,800.00	7,888.98	9,947.68	7,935.98	63.96	66.40	96.75	1,973.19	-2,218.00	399.95	278.22	121.73	3.285		
9,900.00	7,888.98	10,047.68	7,935.98	66.19	68.53	96.75	1,973.63	-2,317.99	399.96	273.57	126.39	3.165		
10,000.00	7,888.98	10,147.68	7,935.98	68.46	70.70	96.75	1,974.07	-2,417.99	399.96	268.87	131.09	3.051		
10,100.00	7,888.98	10,247.68	7,935.98	70.76	72.91	96.75	1,974.51	-2,517.99	399.97	264.12	135.85	2.944		
10,200.00	7,888.98	10,347.68	7,935.97	73.08	75.16	96.75	1,974.95	-2,617.99	399.98	259.33	140.65	2.844		
10,300.00	7,888.98	10,447.68	7,935.97	75.44	77.44	96.75	1,975.39	-2,717.99	399.98	254.50	145.48	2.749		
10,400.00	7,888.98	10,547.68	7,935.97	77.81	79.75	96.75	1,975.83	-2,817.99	399.99	249.64	150.35	2.660		
10,500.00	7,888.98	10,647.68	7,935.97	80.21	82.09	96.75	1,976.27	-2,917.99	400.00	244.75	155.25	2.576		
10,600.00	7,888.98	10,747.68	7,935.97	82.63	84.44	96.75	1,976.71	-3,017.99	400.00	239.82	160.18	2.497		
10,700.00	7,888.98	10,847.68	7,935.97	85.06	86.82	96.75	1,977.16	-3,117.99	400.01	234.88	165.13	2.422		
10,800.00	7,888.98	10,947.68	7,935.97	87.51	89.22	96.75	1,977.60	-3,217.99	400.02	229.90	170.11	2.351		
10,900.00	7,888.98	11,047.68	7,935.96	89.98	91.64	96.75	1,978.04	-3,317.99	400.02	224.91	175.11	2.284		
11,000.00	7,888.98	11,147.68	7,935.96	92.46	94.07	96.75	1,978.48	-3,417.98	400.03	219.90	180.13	2.221		
11,100.00	7,888.97	11,247.68	7,935.96	94.95	96.52	96.75	1,978.92	-3,517.98	400.03	214.86	185.17	2.160		
11,200.00	7,888.97	11,347.68	7,935.96	97.45	98.98	96.75	1,979.36	-3,617.98	400.04	209.82	190.22	2.103		
11,300.00	7,888.97	11,447.68	7,935.96	99.96	101.46	96.74	1,979.80	-3,717.98	400.05	204.75	195.29	2.048		
11,400.00	7,888.97	11,547.68	7,935.96	102.48	103.94	96.74	1,980.24	-3,817.98	400.05	199.67	200.38	1.996		
11,500.00	7,888.97	11,647.68	7,935.96	105.01	106.44	96.74	1,980.68	-3,917.98	400.06	194.58	205.48	1.947		
11,600.00	7,888.97	11,747.68	7,935.95	107.54	108.95	96.74	1,981.12	-4,017.98	400.06	189.48	210.59	1.900		
11,700.00	7,888.97	11,847.68	7,935.95	110.09	111.46	96.74	1,981.56	-4,117.98	400.07	184.36	215.71	1.855		
11,800.00	7,888.97	11,947.68	7,935.95	112.64	113.99	96.74	1,982.00	-4,217.98	400.07	179.23	220.84	1.812		
11,900.00	7,888.97	12,047.68	7,935.95	115.20	116.52	96.74	1,982.44	-4,317.98	400.08	174.10	225.98	1.770		
12,000.00	7,888.97	12,147.68	7,935.95	117.76	119.06	96.74	1,982.88	-4,417.97	400.08	168.95	231.13	1.731		
12,100.00	7,888.97	12,247.68	7,935.95	120.33	121.60	96.74	1,983.32	-4,517.97	400.09	163.80	236.29	1.693		
12,200.00	7,888.97	12,347.68	7,935.95	122.91	124.15	96.74	1,983.76	-4,617.97	400.09	158.63	241.46	1.657		
12,300.00	7,888.97	12,447.68	7,935.94	125.49	126.71	96.74	1,984.20	-4,717.97	400.10	153.46	246.63	1.622		
12,400.00	7,888.97	12,547.68	7,935.94	128.07	129.28	96.74	1,984.64	-4,817.97	400.10	148.28	251.82	1.589		
12,500.00	7,888.97	12,647.68	7,935.94	130.66	131.84	96.74	1,985.08	-4,917.97	400.10	143.10	257.00	1.557		
12,600.00	7,888.97	12,747.68	7,935.94	133.26	134.42	96.74	1,985.52	-5,017.97	400.11	137.91	262.20	1.526		
12,700.00	7,888.97	12,847.68	7,935.94	135.85	137.00	96.74	1,985.96	-5,117.97	400.11	132.71	267.40	1.496 Level 3		
12,800.00	7,888.97	12,947.68	7,935.94	138.45	139.58	96.74	1,986.40	-5,217.97	400.12	127.51	272.61	1.468 Level 3		
12,900.00	7,888.97	13,047.68	7,935.94	141.06	142.17	96.74	1,986.84	-5,317.97	400.12	122.30	277.82	1.440 Level 3		
13,000.00	7,888.97	13,147.68	7,935.93	143.66	144.76	96.74	1,987.28	-5,417.96	400.12	117.09	283.03	1.414 Level 3		
13,100.00	7,888.97	13,247.68	7,935.93	146.28	147.35	96.74	1,987.72	-5,517.96	400.13	111.87	288.26	1.388 Level 3		
13,200.00	7,888.97	13,347.68	7,935.93	148.89	149.95	96.74	1,988.16	-5,617.96	400.13	106.65	293.48	1.363 Level 3		
13,300.00	7,888.97	13,447.68	7,935.93	151.50	152.55	96.74	1,988.60	-5,717.96	400.13	101.42	298.71	1.340 Level 3		
13,400.00	7,888.97	13,547.68	7,935.93	154.12	155.16	96.74	1,989.04	-5,817.96	400.14	96.19	303.95	1.316 Level 3		
13,500.00	7,888.97	13,647.68	7,935.93	156.74	157.76	96.74	1,989.48	-5,917.96	400.14	90.96	309.18	1.294 Level 3		
13,600.00	7,888.97	13,747.68	7,935.93	159.37	160.37	96.74	1,989.92	-6,017.96	400.14	85.72	314.42	1.273 Level 3		
13,700.00	7,888.97	13,847.68	7,935.92	161.99	162.99	96.74	1,990.36	-6,117.96	400.15	80.48	319.67	1.252 Level 3		
13,800.00	7,888.97	13,947.68	7,935.92	164.62	165.60	96.74	1,990.80	-6,217.96	400.15	75.23	324.92	1.232 Level 2		
13,900.00	7,888.97	14,047.68	7,935.92	167.25	168.22	96.74	1,991.24	-6,317.96	400.15	69.98	330.17	1.212 Level 2		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-1 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,000.00	7,888.97	14,147.68	7,935.92	169.88	170.84	96.74	1,991.68	-6,417.96	400.15	64.73	335.42	1.193	Level 2	
14,100.00	7,888.97	14,247.68	7,935.92	172.52	173.46	96.74	1,992.12	-6,517.95	400.15	59.48	340.68	1.175	Level 2	
14,200.00	7,888.97	14,347.68	7,935.92	175.15	176.09	96.74	1,992.56	-6,617.95	400.16	54.22	345.94	1.157	Level 2	
14,300.00	7,888.97	14,447.68	7,935.92	177.79	178.71	96.74	1,993.00	-6,717.95	400.16	48.96	351.20	1.139	Level 2	
14,400.00	7,888.97	14,547.68	7,935.91	180.43	181.34	96.74	1,993.44	-6,817.95	400.16	43.70	356.47	1.123	Level 2	
14,500.00	7,888.97	14,647.68	7,935.91	183.07	183.97	96.74	1,993.88	-6,917.95	400.16	38.43	361.73	1.106	Level 2	
14,600.00	7,888.97	14,747.68	7,935.91	185.71	186.60	96.74	1,994.32	-7,017.95	400.16	33.16	367.00	1.090	Level 2	
14,700.00	7,888.97	14,847.68	7,935.91	188.35	189.24	96.74	1,994.76	-7,117.95	400.17	27.89	372.27	1.075	Level 2	
14,800.00	7,888.97	14,947.68	7,935.91	190.99	191.87	96.74	1,995.20	-7,217.95	400.17	22.62	377.55	1.060	Level 2	
14,900.00	7,888.97	15,047.68	7,935.91	193.64	194.51	96.74	1,995.64	-7,317.95	400.17	17.35	382.82	1.045	Level 2	
15,000.00	7,888.97	15,147.68	7,935.91	196.29	197.15	96.74	1,996.08	-7,417.95	400.17	12.07	388.10	1.031	Level 2	
15,100.00	7,888.97	15,247.68	7,935.90	198.93	199.79	96.74	1,996.52	-7,517.94	400.17	6.79	393.38	1.017	Level 2	
15,200.00	7,888.97	15,347.68	7,935.90	201.58	202.43	96.73	1,996.96	-7,617.94	400.17	1.51	398.66	1.004	Level 2	
15,300.00	7,888.97	15,447.68	7,935.90	204.23	205.07	96.73	1,997.40	-7,717.94	400.17	-3.77	403.94	0.991	Level 1	
15,400.00	7,888.97	15,547.68	7,935.90	206.88	207.71	96.73	1,997.84	-7,817.94	400.17	-9.05	409.23	0.978	Level 1	
15,500.00	7,888.98	15,647.68	7,935.90	209.54	210.36	96.73	1,998.28	-7,917.94	400.17	-14.34	414.51	0.965	Level 1	
15,600.00	7,888.98	15,747.68	7,935.90	212.19	213.00	96.73	1,998.72	-8,017.94	400.17	-19.62	419.80	0.953	Level 1	
15,700.00	7,888.98	15,847.68	7,935.90	214.84	215.65	96.73	1,999.16	-8,117.94	400.17	-24.91	425.09	0.941	Level 1	
15,800.00	7,888.98	15,947.68	7,935.89	217.50	218.30	96.73	1,999.60	-8,217.94	400.17	-30.20	430.38	0.930	Level 1	
15,900.00	7,888.98	16,047.68	7,935.89	220.15	220.95	96.73	2,000.04	-8,317.94	400.17	-35.49	435.67	0.919	Level 1	
16,000.00	7,888.98	16,147.68	7,935.89	222.81	223.60	96.73	2,000.48	-8,417.94	400.17	-40.79	440.96	0.908	Level 1	
16,100.00	7,888.98	16,247.68	7,935.89	225.47	226.25	96.73	2,000.92	-8,517.94	400.17	-46.08	446.26	0.897	Level 1	
16,200.00	7,888.98	16,347.68	7,935.89	228.13	228.90	96.73	2,001.36	-8,617.93	400.17	-51.38	451.55	0.886	Level 1	
16,300.00	7,888.98	16,447.68	7,935.89	230.78	231.55	96.73	2,001.80	-8,717.93	400.17	-56.67	456.85	0.876	Level 1	
16,400.00	7,888.98	16,547.68	7,935.89	233.44	234.21	96.73	2,002.24	-8,817.93	400.17	-61.97	462.14	0.866	Level 1	
16,500.00	7,888.98	16,647.68	7,935.88	236.10	236.86	96.73	2,002.68	-8,917.93	400.17	-67.27	467.44	0.856	Level 1	
16,600.00	7,888.98	16,747.68	7,935.88	238.77	239.52	96.73	2,003.12	-9,017.93	400.17	-72.57	472.74	0.846	Level 1	
16,700.00	7,888.98	16,847.68	7,935.88	241.43	242.17	96.73	2,003.56	-9,117.93	400.17	-77.87	478.04	0.837	Level 1	
16,800.00	7,888.99	16,947.68	7,935.88	244.09	244.83	96.73	2,004.00	-9,217.93	400.17	-83.17	483.34	0.828	Level 1	
16,900.00	7,888.99	17,047.68	7,935.88	246.75	247.49	96.73	2,004.44	-9,317.93	400.17	-88.48	488.65	0.819	Level 1	
17,000.00	7,888.99	17,147.68	7,935.88	249.41	250.15	96.73	2,004.88	-9,417.93	400.17	-93.78	493.95	0.810	Level 1	
17,100.00	7,888.99	17,247.68	7,935.88	252.08	252.81	96.73	2,005.32	-9,517.93	400.17	-99.09	499.25	0.802	Level 1	
17,200.00	7,888.99	17,347.68	7,935.87	254.74	255.47	96.73	2,005.76	-9,617.92	400.16	-104.39	504.56	0.793	Level 1	
17,300.00	7,888.99	17,447.68	7,935.87	257.41	258.13	96.73	2,006.20	-9,717.92	400.16	-109.70	509.87	0.785	Level 1	
17,400.00	7,888.99	17,547.68	7,935.87	260.07	260.79	96.73	2,006.64	-9,817.92	400.16	-115.01	515.17	0.777	Level 1	
17,500.00	7,888.99	17,647.68	7,935.87	262.74	263.45	96.73	2,007.08	-9,917.92	400.16	-120.32	520.48	0.769	Level 1	
17,600.00	7,888.99	17,747.68	7,935.87	265.41	266.11	96.73	2,007.52	-10,017.92	400.16	-125.63	525.79	0.761	Level 1	
17,700.00	7,889.00	17,847.68	7,935.87	268.07	268.77	96.73	2,007.96	-10,117.92	400.16	-130.94	531.10	0.753	Level 1	
17,800.00	7,889.00	17,947.68	7,935.87	270.74	271.44	96.73	2,008.40	-10,217.92	400.15	-136.25	536.41	0.746	Level 1	
17,900.00	7,889.00	18,047.68	7,935.86	273.41	274.10	96.73	2,008.84	-10,317.92	400.15	-141.57	541.72	0.739	Level 1	
18,000.00	7,889.00	18,147.68	7,935.86	276.08	276.76	96.73	2,009.28	-10,417.92	400.15	-146.88	547.03	0.731	Level 1	
18,089.93	7,889.00	18,240.93	7,936.01	278.48	279.25	96.75	2,009.33	-10,511.16	399.82	-151.73	551.55	0.725	Level 1, ES, SF	

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	90.00	90.00					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	90.00	90.00	89.73	0.27	334.753		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	90.00	90.00	89.01	0.99	91.296		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	90.00	90.00	88.30	1.70	52.856		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	90.00	90.00	87.58	2.42	37.195 CC		
500.00	499.98	499.98	499.98	1.57	1.57	100.38	0.00	90.00	90.30	87.16	3.14	28.794 ES		
600.00	599.84	600.25	600.23	1.93	1.91	104.69	-1.71	89.62	91.16	87.32	3.84	23.754		
700.00	699.45	699.47	699.31	2.30	2.25	112.92	-6.78	88.50	93.72	89.18	4.54	20.665		
800.00	798.70	796.96	796.43	2.67	2.58	123.89	-15.01	86.68	100.64	95.39	5.25	19.168		
900.00	897.47	892.11	890.89	3.07	2.93	135.60	-26.16	84.21	114.65	108.68	5.97	19.194		
1,000.00	995.62	984.35	982.05	3.49	3.29	146.13	-39.88	81.18	137.31	130.62	6.68	20.546		
1,100.00	1,093.06	1,073.20	1,069.38	3.94	3.66	154.61	-55.80	77.65	168.68	161.32	7.36	22.905		
1,123.07	1,115.42	1,093.17	1,088.94	4.05	3.74	156.27	-59.75	76.78	177.09	169.57	7.52	23.544		
1,200.00	1,189.91	1,158.70	1,152.91	4.42	4.03	161.24	-73.61	73.71	207.16	199.15	8.01	25.855		
1,300.00	1,286.74	1,247.73	1,233.21	4.92	4.45	166.18	-93.16	69.39	249.82	241.18	8.65	28.895		
1,400.00	1,383.57	1,329.08	1,317.89	5.42	4.85	170.11	-115.15	64.52	294.95	285.67	9.28	31.783		
1,500.00	1,480.40	1,416.70	1,402.56	5.93	5.30	173.02	-137.13	59.66	340.91	330.96	9.95	34.270		
1,600.00	1,577.24	1,504.32	1,487.24	6.45	5.75	175.25	-159.12	54.79	387.42	376.80	10.62	36.476		
1,700.00	1,674.07	1,608.06	1,571.92	6.97	6.29	177.01	-181.11	49.93	434.30	422.93	11.37	38.209		
1,800.00	1,770.90	1,679.56	1,656.59	7.49	6.67	178.43	-203.09	45.06	481.43	469.45	11.98	40.173		
1,900.00	1,867.73	1,767.18	1,741.27	8.02	7.14	179.59	-225.08	40.20	528.76	516.09	12.67	41.727		
2,000.00	1,964.56	1,854.80	1,825.94	8.54	7.62	-179.43	-247.07	35.33	576.23	562.87	13.36	43.121		
2,100.00	2,061.39	1,942.41	1,910.62	9.07	8.09	-178.60	-269.05	30.47	623.82	609.76	14.06	44.376		
2,200.00	2,158.23	2,030.03	1,995.30	9.61	8.57	-177.89	-291.04	25.60	671.49	656.73	14.75	45.511		
2,300.00	2,255.06	2,117.65	2,079.97	10.14	9.05	-177.27	-313.02	20.74	719.23	703.77	15.45	46.541		
2,400.00	2,351.89	2,205.27	2,164.65	10.67	9.53	-176.73	-335.01	15.87	767.03	750.87	16.15	47.480		
2,500.00	2,448.72	2,292.89	2,249.33	11.21	10.02	-176.25	-357.00	11.01	814.87	798.01	16.86	48.338		
2,600.00	2,545.55	2,380.51	2,334.00	11.74	10.50	-175.82	-378.98	6.14	862.75	845.19	17.56	49.125		
2,700.00	2,642.38	2,468.13	2,418.68	12.28	10.99	-175.44	-400.97	1.28	910.67	892.40	18.27	49.850		
2,800.00	2,739.22	2,555.75	2,503.36	12.82	11.48	-175.10	-422.95	-3.59	958.61	939.64	18.98	50.519		
2,900.00	2,836.05	2,643.37	2,588.03	13.35	11.97	-174.79	-444.94	-8.45	1,006.58	986.90	19.68	51.138		
3,000.00	2,932.88	2,730.99	2,672.71	13.89	12.45	-174.51	-466.93	-13.31	1,054.57	1,034.18	20.39	51.713		
3,100.00	3,029.71	2,818.61	2,757.38	14.43	12.94	-174.25	-488.91	-18.18	1,102.58	1,081.48	21.10	52.247		
3,200.00	3,126.54	2,906.23	2,842.06	14.97	13.43	-174.01	-510.90	-23.04	1,150.60	1,128.79	21.81	52.745		
3,300.00	3,223.37	3,006.15	2,926.74	15.51	13.99	-173.79	-532.88	-27.91	1,198.64	1,176.06	22.58	53.091		
3,400.00	3,320.21	3,081.46	3,011.41	16.05	14.42	-173.59	-554.87	-32.77	1,246.69	1,223.45	23.24	53.646		
3,500.00	3,417.04	3,169.08	3,096.09	16.59	14.91	-173.41	-576.86	-37.64	1,294.75	1,270.80	23.95	54.055		
3,600.00	3,513.87	3,256.70	3,180.77	17.13	15.40	-173.24	-598.84	-42.50	1,342.82	1,318.15	24.67	54.439		
3,700.00	3,610.70	3,344.32	3,265.44	17.67	15.89	-173.07	-620.83	-47.37	1,390.90	1,365.52	25.38	54.800		
3,800.00	3,707.53	3,431.94	3,350.12	18.21	16.39	-172.92	-642.82	-52.23	1,438.99	1,412.89	26.10	55.141		
3,900.00	3,804.36	3,519.56	3,434.79	18.75	16.88	-172.78	-664.80	-57.10	1,487.08	1,460.27	26.81	55.463		
4,000.00	3,901.19	3,607.18	3,519.47	19.29	17.37	-172.65	-686.79	-61.96	1,535.18	1,507.65	27.53	55.767		
4,100.00	3,998.03	3,705.20	3,604.15	19.83	17.92	-172.53	-708.77	-66.83	1,583.29	1,555.00	28.29	55.970		
4,200.00	4,094.86	3,782.42	3,688.82	20.37	18.36	-172.41	-730.76	-71.69	1,631.40	1,602.43	28.96	56.327		
4,300.00	4,191.69	3,870.04	3,773.50	20.91	18.85	-172.30	-752.75	-76.56	1,679.51	1,649.83	29.68	56.586		
4,400.00	4,288.52	3,957.66	3,858.18	21.45	19.35	-172.20	-774.73	-81.42	1,727.63	1,697.24	30.40	56.832		
4,500.00	4,385.35	4,045.28	3,942.85	21.99	19.84	-172.10	-796.72	-86.29	1,775.76	1,744.64	31.12	57.066		
4,600.00	4,482.18	4,132.90	4,027.53	22.54	20.34	-172.01	-818.70	-91.15	1,823.89	1,792.05	31.84	57.289		
4,700.00	4,579.02	4,220.51	4,112.20	23.08	20.83	-171.92	-840.69	-96.02	1,872.02	1,839.46	32.56	57.502		
4,800.00	4,675.85	4,308.13	4,196.88	23.62	21.32	-171.84	-862.68	-100.88	1,920.15	1,886.88	33.28	57.704		
4,900.00	4,772.68	4,404.25	4,281.56	24.16	21.87	-171.76	-884.66	-105.75	1,968.29	1,934.26	34.03	57.838		
5,000.00	4,869.51	4,483.37	4,366.23	24.70	22.31	-171.68	-906.65	-110.61	2,016.43	1,981.72	34.72	58.082		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,100.00	4,966.34	4,570.99	4,450.91	25.24	22.81	-171.61	-928.63	-115.48	2,064.58	2,029.14	35.44	58.259		
5,200.00	5,063.17	4,658.61	4,535.59	25.79	23.31	-171.54	-950.62	-120.34	2,112.72	2,076.56	36.16	58.428		
5,300.00	5,160.01	4,746.23	4,620.26	26.33	23.80	-171.48	-972.61	-125.20	2,160.87	2,123.99	36.88	58.590		
5,400.00	5,256.84	4,833.85	4,704.94	26.87	24.30	-171.41	-994.59	-130.07	2,209.02	2,171.42	37.60	58.745		
5,500.00	5,353.67	4,921.47	4,789.61	27.41	24.79	-171.35	-1,016.58	-134.93	2,257.17	2,218.85	38.33	58.894		
5,600.00	5,450.50	5,009.09	4,874.29	27.96	25.29	-171.30	-1,038.56	-139.80	2,305.33	2,266.28	39.05	59.037		
5,700.00	5,547.33	5,103.29	4,958.97	28.50	25.82	-171.24	-1,060.55	-144.66	2,353.48	2,313.69	39.80	59.134		
5,800.00	5,644.16	5,184.33	5,043.64	29.04	26.28	-171.19	-1,082.54	-149.53	2,401.64	2,361.15	40.50	59.306		
5,900.00	5,741.00	5,271.95	5,128.32	29.58	26.77	-171.14	-1,104.52	-154.39	2,449.80	2,408.58	41.22	59.433		
6,000.00	5,837.83	5,359.56	5,213.00	30.12	27.27	-171.09	-1,126.51	-159.26	2,497.96	2,456.02	41.94	59.555		
6,100.00	5,934.66	5,447.18	5,297.67	30.67	27.77	-171.04	-1,148.50	-164.12	2,546.12	2,503.45	42.67	59.673		
6,200.00	6,031.49	5,534.80	5,382.35	31.21	28.26	-170.99	-1,170.48	-168.99	2,594.29	2,550.89	43.39	59.786		
6,300.00	6,128.32	5,622.42	5,467.03	31.75	28.76	-170.95	-1,192.47	-173.85	2,642.45	2,598.33	44.12	59.894		
6,400.00	6,225.15	5,710.04	5,551.70	32.29	29.25	-170.91	-1,214.45	-178.72	2,690.62	2,645.77	44.84	59.999		
6,500.00	6,321.99	5,802.34	5,636.38	32.84	29.78	-170.87	-1,236.44	-183.58	2,738.78	2,693.19	45.59	60.075		
6,600.00	6,418.82	5,885.28	5,721.05	33.38	30.25	-170.83	-1,258.43	-188.45	2,786.95	2,740.65	46.30	60.198		
6,700.00	6,515.65	5,972.90	5,805.73	33.92	30.74	-170.79	-1,280.41	-193.31	2,835.12	2,788.09	47.02	60.292		
6,756.73	6,570.58	6,022.61	5,853.77	34.23	31.03	-170.77	-1,292.89	-196.07	2,862.45	2,815.01	47.44	60.344		
6,800.00	6,612.56	6,060.67	5,890.55	34.46	31.24	-170.83	-1,302.44	-198.18	2,883.00	2,835.25	47.75	60.377		
6,900.00	6,710.15	6,149.78	5,976.67	34.97	31.75	-170.94	-1,324.80	-203.13	2,928.33	2,879.85	48.48	60.407		
7,000.00	6,808.44	6,240.38	6,064.22	35.43	32.26	-171.03	-1,347.53	-208.16	2,970.56	2,921.36	49.20	60.373		
7,100.00	6,907.31	6,332.36	6,153.12	35.85	32.78	-171.09	-1,370.61	-213.27	3,009.65	2,959.72	49.93	60.277		
7,200.00	7,006.64	6,425.62	6,243.24	36.23	33.31	-171.14	-1,394.01	-218.45	3,045.54	2,994.88	50.65	60.124		
7,300.00	7,106.32	6,520.03	6,334.48	36.57	33.84	-171.16	-1,417.70	-223.69	3,078.19	3,026.82	51.38	59.916		
7,400.00	7,206.21	6,615.49	6,426.73	36.87	34.38	-171.16	-1,441.65	-228.99	3,107.58	3,055.49	52.09	59.657		
7,479.80	7,286.00	6,707.67	6,501.00	37.07	34.91	-179.56	-1,460.94	-233.26	3,128.66	3,075.94	52.72	59.344		
7,499.99	7,306.18	6,711.84	6,519.85	37.12	34.93	-179.58	-1,465.83	-234.34	3,133.72	3,080.92	52.80	59.350		
7,509.80	7,316.00	6,721.32	6,529.02	37.15	34.98	-179.59	-1,468.21	-234.87	3,136.19	3,083.32	52.87	59.319		
7,550.00	7,356.16	6,760.22	6,566.60	37.25	35.21	-89.60	-1,477.97	-237.02	3,146.28	3,093.13	53.16	59.189		
7,600.00	7,405.83	7,610.13	7,407.07	37.38	38.58	-90.29	-1,579.74	-261.24	3,147.33	3,089.48	57.84	54.410		
7,650.00	7,454.80	7,661.61	7,458.15	37.51	38.71	-90.36	-1,579.72	-267.50	3,147.35	3,089.15	58.20	54.081		
7,700.00	7,502.72	7,713.46	7,508.83	37.65	38.86	-90.43	-1,579.67	-278.41	3,147.37	3,088.80	58.57	53.735		
7,750.00	7,549.22	7,765.68	7,558.65	37.80	39.01	-90.50	-1,579.60	-293.98	3,147.40	3,088.43	58.97	53.372		
7,800.00	7,593.95	7,818.26	7,607.17	37.95	39.17	-90.56	-1,579.51	-314.17	3,147.43	3,088.04	59.40	52.989		
7,850.00	7,636.56	7,871.17	7,653.93	38.11	39.34	-90.62	-1,579.41	-338.90	3,147.47	3,087.61	59.86	52.583		
7,900.00	7,676.73	7,924.40	7,698.47	38.28	39.52	-90.67	-1,579.28	-368.01	3,147.50	3,087.14	60.35	52.150		
7,950.00	7,714.16	7,977.93	7,740.34	38.45	39.70	-90.72	-1,579.13	-401.33	3,147.53	3,086.63	60.90	51.684		
8,000.00	7,748.55	8,031.72	7,779.10	38.63	39.89	-90.76	-1,578.97	-438.60	3,147.56	3,086.06	61.50	51.179		
8,050.00	7,779.66	8,085.74	7,814.33	38.82	40.10	-90.80	-1,578.79	-479.52	3,147.58	3,085.41	62.17	50.628		
8,100.00	7,807.24	8,139.96	7,845.67	39.03	40.31	-90.83	-1,578.60	-523.74	3,147.60	3,084.68	62.92	50.026		
8,150.00	7,831.08	8,194.33	7,872.76	39.26	40.55	-90.85	-1,578.40	-570.86	3,147.62	3,083.87	63.75	49.371		
8,200.00	7,850.99	8,248.82	7,895.30	39.50	40.80	-90.87	-1,578.18	-620.45	3,147.63	3,082.95	64.68	48.663		
8,250.00	7,866.84	8,303.39	7,913.06	39.78	41.08	-90.88	-1,577.96	-672.02	3,147.64	3,081.93	65.71	47.903		
8,300.00	7,878.50	8,357.98	7,925.83	40.08	41.39	-90.88	-1,577.73	-725.08	3,147.63	3,080.81	66.83	47.101		
8,350.00	7,885.88	8,412.55	7,933.50	40.42	41.73	-90.87	-1,577.49	-779.09	3,147.63	3,079.60	68.03	46.268		
8,400.00	7,888.92	8,467.07	7,936.00	40.79	42.11	-90.86	-1,577.26	-833.52	3,147.61	3,078.31	69.30	45.419		
8,409.88	7,889.00	8,476.86	7,936.00	40.87	42.18	-90.86	-1,577.21	-843.32	3,147.61	3,078.06	69.55	45.257		
8,500.00	7,889.00	8,566.99	7,936.00	41.64	42.91	-90.86	-1,576.82	-933.44	3,147.61	3,075.64	71.97	43.734		
8,600.00	7,889.00	8,666.99	7,936.00	42.65	43.85	-90.86	-1,576.39	-1,033.44	3,147.61	3,072.69	74.92	42.013		
8,700.00	7,889.00	8,766.99	7,935.99	43.81	44.95	-90.86	-1,575.95	-1,133.44	3,147.60	3,069.47	78.13	40.288		
8,800.00	7,889.00	8,866.99	7,935.99	45.13	46.21	-90.86	-1,575.52	-1,233.44	3,147.60	3,066.03	81.57	38.590		
8,900.00	7,888.99	8,966.99	7,935.99	46.58	47.61	-90.86	-1,575.08	-1,333.44	3,147.59	3,062.39	85.21	36.941		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-10 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
9,000.00	7,888.99	9,066.99	7,935.99	48.17	49.14	-90.86	-1,574.65	-1,433.44	3,147.59	3,058.57	89.02	35.358		
9,100.00	7,888.99	9,166.99	7,935.99	49.86	50.80	-90.86	-1,574.21	-1,533.44	3,147.59	3,054.60	92.99	33.848		
9,200.00	7,888.99	9,266.99	7,935.99	51.66	52.56	-90.86	-1,573.78	-1,633.44	3,147.59	3,050.48	97.10	32.416		
9,300.00	7,888.99	9,366.99	7,935.98	53.55	54.42	-90.86	-1,573.34	-1,733.43	3,147.58	3,046.25	101.33	31.064		
9,400.00	7,888.99	9,466.99	7,935.98	55.51	56.37	-90.86	-1,572.91	-1,833.43	3,147.58	3,041.92	105.66	29.790		
9,500.00	7,888.99	9,566.99	7,935.98	57.54	58.38	-90.86	-1,572.47	-1,933.43	3,147.58	3,037.49	110.08	28.592		
9,600.00	7,888.99	9,666.99	7,935.98	59.63	60.46	-90.86	-1,572.04	-2,033.43	3,147.57	3,032.98	114.59	27.468		
9,700.00	7,888.99	9,766.99	7,935.98	61.77	62.59	-90.86	-1,571.60	-2,133.43	3,147.57	3,028.40	119.17	26.412		
9,800.00	7,888.98	9,866.99	7,935.97	63.96	64.78	-90.86	-1,571.17	-2,233.43	3,147.57	3,023.75	123.82	25.421		
9,900.00	7,888.98	9,966.99	7,935.97	66.19	67.00	-90.86	-1,570.73	-2,333.43	3,147.57	3,019.05	128.52	24.491		
10,000.00	7,888.98	10,066.99	7,935.97	68.46	69.26	-90.86	-1,570.30	-2,433.43	3,147.56	3,014.29	133.27	23.618		
10,100.00	7,888.98	10,166.99	7,935.97	70.76	71.56	-90.86	-1,569.86	-2,533.43	3,147.56	3,009.49	138.07	22.797		
10,200.00	7,888.98	10,266.99	7,935.97	73.08	73.89	-90.86	-1,569.43	-2,633.43	3,147.56	3,004.65	142.91	22.024		
10,300.00	7,888.98	10,366.99	7,935.97	75.44	76.24	-90.86	-1,568.99	-2,733.42	3,147.56	2,999.77	147.79	21.297		
10,400.00	7,888.98	10,466.99	7,935.96	77.81	78.62	-90.86	-1,568.56	-2,833.42	3,147.56	2,994.85	152.70	20.612		
10,500.00	7,888.98	10,566.99	7,935.96	80.21	81.02	-90.86	-1,568.12	-2,933.42	3,147.56	2,989.91	157.65	19.966		
10,600.00	7,888.98	10,666.99	7,935.96	82.63	83.44	-90.86	-1,567.69	-3,033.42	3,147.55	2,984.94	162.62	19.355		
10,700.00	7,888.98	10,766.99	7,935.96	85.06	85.87	-90.86	-1,567.25	-3,133.42	3,147.55	2,979.94	167.61	18.778		
10,800.00	7,888.98	10,866.99	7,935.96	87.51	88.33	-90.86	-1,566.82	-3,233.42	3,147.55	2,974.92	172.63	18.232		
10,900.00	7,888.98	10,966.99	7,935.95	89.98	90.79	-90.86	-1,566.38	-3,333.42	3,147.55	2,969.88	177.68	17.715		
11,000.00	7,888.98	11,066.99	7,935.95	92.46	93.27	-90.86	-1,565.95	-3,433.42	3,147.55	2,964.81	182.74	17.225		
11,100.00	7,888.97	11,166.99	7,935.95	94.95	95.77	-90.86	-1,565.51	-3,533.42	3,147.55	2,959.73	187.81	16.759		
11,200.00	7,888.97	11,266.99	7,935.95	97.45	98.27	-90.86	-1,565.08	-3,633.42	3,147.55	2,954.64	192.91	16.316		
11,300.00	7,888.97	11,366.99	7,935.95	99.96	100.79	-90.86	-1,564.65	-3,733.42	3,147.55	2,949.53	198.02	15.895		
11,400.00	7,888.97	11,466.99	7,935.95	102.48	103.31	-90.86	-1,564.21	-3,833.41	3,147.55	2,944.40	203.14	15.494		
11,500.00	7,888.97	11,566.99	7,935.94	105.01	105.84	-90.86	-1,563.78	-3,933.41	3,147.55	2,939.27	208.28	15.112		
11,600.00	7,888.97	11,666.99	7,935.94	107.54	108.39	-90.86	-1,563.34	-4,033.41	3,147.55	2,934.12	213.43	14.747		
11,700.00	7,888.97	11,766.99	7,935.94	110.09	110.93	-90.86	-1,562.91	-4,133.41	3,147.55	2,928.96	218.59	14.399		
11,778.59	7,888.97	11,845.58	7,935.94	112.09	112.94	-90.86	-1,562.56	-4,212.00	3,147.55	2,924.89	222.66	14.136		
11,800.00	7,888.97	11,866.99	7,935.94	112.64	113.49	-90.85	-1,562.47	-4,233.41	3,147.55	2,923.78	223.76	14.066		
11,900.00	7,888.97	11,966.99	7,935.94	115.20	116.05	-90.85	-1,562.04	-4,333.41	3,147.55	2,918.60	228.94	13.748		
12,000.00	7,888.97	12,066.99	7,935.93	117.76	118.62	-90.85	-1,561.60	-4,433.41	3,147.55	2,913.41	234.13	13.443		
12,100.00	7,888.97	12,166.99	7,935.93	120.33	121.19	-90.85	-1,561.17	-4,533.41	3,147.55	2,908.22	239.33	13.151		
12,200.00	7,888.97	12,266.99	7,935.93	122.91	123.77	-90.85	-1,560.73	-4,633.41	3,147.55	2,903.01	244.54	12.871		
12,300.00	7,888.97	12,366.99	7,935.93	125.49	126.36	-90.85	-1,560.30	-4,733.41	3,147.55	2,897.80	249.75	12.603		
12,400.00	7,888.97	12,466.99	7,935.93	128.07	128.95	-90.85	-1,559.86	-4,833.40	3,147.55	2,892.58	254.97	12.345		
12,500.00	7,888.97	12,566.99	7,935.93	130.66	131.54	-90.85	-1,559.43	-4,933.40	3,147.55	2,887.35	260.20	12.097		
12,600.00	7,888.97	12,666.99	7,935.92	133.26	134.14	-90.85	-1,558.99	-5,033.40	3,147.55	2,882.12	265.43	11.858		
12,700.00	7,888.97	12,766.99	7,935.92	135.85	136.74	-90.85	-1,558.56	-5,133.40	3,147.55	2,876.88	270.67	11.629		
12,800.00	7,888.97	12,866.99	7,935.92	138.45	139.34	-90.85	-1,558.12	-5,233.40	3,147.55	2,871.63	275.92	11.408		
12,900.00	7,888.97	12,966.99	7,935.92	141.06	141.95	-90.85	-1,557.69	-5,333.40	3,147.56	2,866.39	281.17	11.194		
13,000.00	7,888.97	13,066.99	7,935.92	143.66	144.56	-90.85	-1,557.25	-5,433.40	3,147.56	2,861.13	286.42	10.989		
13,100.00	7,888.97	13,166.99	7,935.91	146.28	147.18	-90.85	-1,556.82	-5,533.40	3,147.56	2,855.87	291.68	10.791		
13,200.00	7,888.97	13,266.99	7,935.91	148.89	149.79	-90.85	-1,556.38	-5,633.40	3,147.56	2,850.61	296.95	10.600		
13,300.00	7,888.97	13,366.99	7,935.91	151.50	152.41	-90.85	-1,555.95	-5,733.40	3,147.56	2,845.34	302.22	10.415		
13,400.00	7,888.97	13,466.99	7,935.91	154.12	155.04	-90.85	-1,555.51	-5,833.40	3,147.56	2,840.07	307.49	10.236		
13,500.00	7,888.97	13,566.99	7,935.91	156.74	157.66	-90.85	-1,555.08	-5,933.39	3,147.57	2,834.80	312.77	10.064		
13,600.00	7,888.97	13,666.99	7,935.91	159.37	160.29	-90.85	-1,554.64	-6,033.39	3,147.57	2,829.52	318.05	9.897		
13,700.00	7,888.97	13,766.99	7,935.90	161.99	162.92	-90.85	-1,554.21	-6,133.39	3,147.57	2,824.24	323.33	9.735		
13,800.00	7,888.97	13,866.99	7,935.90	164.62	165.55	-90.85	-1,553.77	-6,233.39	3,147.57	2,818.96	328.62	9.578		
13,900.00	7,888.97	13,966.99	7,935.90	167.25	168.18	-90.85	-1,553.34	-6,333.39	3,147.58	2,813.67	333.90	9.427		
14,000.00	7,888.97	14,066.99	7,935.90	169.88	170.82	-90.85	-1,552.90	-6,433.39	3,147.58	2,808.38	339.20	9.280		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,100.00	7,888.97	14,166.99	7,935.90	172.52	173.46	-90.85	-1,552.47	-6,533.39	3,147.58	2,803.09	344.49	9.137		
14,200.00	7,888.97	14,266.99	7,935.89	175.15	176.10	-90.85	-1,552.03	-6,633.39	3,147.58	2,797.79	349.79	8.999		
14,300.00	7,888.97	14,366.99	7,935.89	177.79	178.74	-90.85	-1,551.60	-6,733.39	3,147.59	2,792.50	355.09	8.864		
14,400.00	7,888.97	14,466.99	7,935.89	180.43	181.38	-90.85	-1,551.17	-6,833.39	3,147.59	2,787.20	360.39	8.734		
14,500.00	7,888.97	14,566.99	7,935.89	183.07	184.02	-90.85	-1,550.73	-6,933.39	3,147.59	2,781.89	365.70	8.607		
14,600.00	7,888.97	14,666.99	7,935.89	185.71	186.67	-90.85	-1,550.30	-7,033.38	3,147.60	2,776.59	371.01	8.484		
14,700.00	7,888.97	14,766.99	7,935.89	188.35	189.32	-90.85	-1,549.86	-7,133.38	3,147.60	2,771.28	376.31	8.364		
14,800.00	7,888.97	14,866.99	7,935.88	190.99	191.96	-90.85	-1,549.43	-7,233.38	3,147.60	2,765.98	381.63	8.248		
14,900.00	7,888.97	14,966.99	7,935.88	193.64	194.61	-90.85	-1,548.99	-7,333.38	3,147.61	2,760.67	386.94	8.135		
15,000.00	7,888.97	15,066.99	7,935.88	196.29	197.26	-90.85	-1,548.56	-7,433.38	3,147.61	2,755.36	392.26	8.024		
15,100.00	7,888.97	15,166.99	7,935.88	198.93	199.92	-90.85	-1,548.12	-7,533.38	3,147.61	2,750.04	397.57	7.917		
15,200.00	7,888.97	15,266.99	7,935.88	201.58	202.57	-90.85	-1,547.69	-7,633.38	3,147.62	2,744.73	402.89	7.813		
15,300.00	7,888.97	15,366.99	7,935.87	204.23	205.22	-90.85	-1,547.25	-7,733.38	3,147.62	2,739.41	408.21	7.711		
15,400.00	7,888.97	15,466.99	7,935.87	206.88	207.88	-90.85	-1,546.82	-7,833.38	3,147.63	2,734.09	413.53	7.612		
15,500.00	7,888.98	15,566.99	7,935.87	209.54	210.53	-90.85	-1,546.38	-7,933.38	3,147.63	2,728.77	418.86	7.515		
15,600.00	7,888.98	15,666.99	7,935.87	212.19	213.19	-90.85	-1,545.95	-8,033.37	3,147.64	2,723.45	424.18	7.420		
15,700.00	7,888.98	15,766.99	7,935.87	214.84	215.85	-90.85	-1,545.51	-8,133.37	3,147.64	2,718.13	429.51	7.328		
15,800.00	7,888.98	15,866.99	7,935.87	217.50	218.51	-90.85	-1,545.08	-8,233.37	3,147.65	2,712.81	434.84	7.239		
15,900.00	7,888.98	15,966.99	7,935.86	220.15	221.17	-90.85	-1,544.64	-8,333.37	3,147.65	2,707.48	440.17	7.151		
16,000.00	7,888.98	16,066.99	7,935.86	222.81	223.83	-90.85	-1,544.21	-8,433.37	3,147.66	2,702.16	445.50	7.065		
16,100.00	7,888.98	16,166.99	7,935.86	225.47	226.49	-90.85	-1,543.77	-8,533.37	3,147.66	2,696.83	450.83	6.982		
16,200.00	7,888.98	16,266.99	7,935.86	228.13	229.15	-90.85	-1,543.34	-8,633.37	3,147.67	2,691.50	456.16	6.900		
16,300.00	7,888.98	16,366.99	7,935.86	230.78	231.81	-90.85	-1,542.90	-8,733.37	3,147.67	2,686.17	461.50	6.821		
16,400.00	7,888.98	16,466.99	7,935.86	233.44	234.47	-90.85	-1,542.47	-8,833.37	3,147.68	2,680.84	466.83	6.743		
16,500.00	7,888.98	16,566.99	7,935.85	236.10	237.14	-90.85	-1,542.03	-8,933.37	3,147.68	2,675.51	472.17	6.666		
16,600.00	7,888.98	16,666.99	7,935.85	238.77	239.80	-90.85	-1,541.60	-9,033.37	3,147.69	2,670.18	477.51	6.592		
16,700.00	7,888.98	16,766.99	7,935.85	241.43	242.47	-90.85	-1,541.16	-9,133.36	3,147.69	2,664.85	482.84	6.519		
16,800.00	7,888.99	16,866.99	7,935.85	244.09	245.13	-90.85	-1,540.73	-9,233.36	3,147.70	2,659.52	488.18	6.448		
16,900.00	7,888.99	16,966.99	7,935.85	246.75	247.80	-90.85	-1,540.29	-9,333.36	3,147.71	2,654.18	493.52	6.378		
17,000.00	7,888.99	17,066.99	7,935.84	249.41	250.47	-90.85	-1,539.86	-9,433.36	3,147.71	2,648.85	498.87	6.310		
17,100.00	7,888.99	17,166.99	7,935.84	252.08	253.14	-90.85	-1,539.42	-9,533.36	3,147.72	2,643.51	504.21	6.243		
17,200.00	7,888.99	17,266.99	7,935.84	254.74	255.80	-90.85	-1,538.99	-9,633.36	3,147.72	2,638.17	509.55	6.177		
17,300.00	7,888.99	17,366.99	7,935.84	257.41	258.47	-90.85	-1,538.55	-9,733.36	3,147.73	2,632.84	514.89	6.113		
17,400.00	7,888.99	17,466.99	7,935.84	260.07	261.14	-90.85	-1,538.12	-9,833.36	3,147.74	2,627.50	520.24	6.051		
17,500.00	7,888.99	17,566.99	7,935.84	262.74	263.81	-90.85	-1,537.69	-9,933.36	3,147.74	2,622.16	525.58	5.989		
17,600.00	7,888.99	17,666.99	7,935.83	265.41	266.48	-90.85	-1,537.25	-10,033.36	3,147.75	2,616.82	530.93	5.929		
17,700.00	7,889.00	17,766.99	7,935.83	268.07	269.15	-90.85	-1,536.82	-10,133.35	3,147.76	2,611.48	536.28	5.870		
17,800.00	7,889.00	17,866.99	7,935.83	270.74	271.82	-90.85	-1,536.38	-10,233.35	3,147.77	2,606.14	541.63	5.812		
17,900.00	7,889.00	17,966.99	7,935.83	273.41	274.50	-90.85	-1,535.95	-10,333.35	3,147.77	2,600.80	546.97	5.755		
18,000.00	7,889.00	18,066.99	7,935.83	276.08	277.17	-90.85	-1,535.51	-10,433.35	3,147.78	2,595.46	552.32	5.699		
18,082.43	7,889.00	18,158.26	7,936.02	278.28	279.61	-90.86	-1,534.95	-10,524.62	3,147.64	2,590.67	556.97	5.651		
18,089.93	7,889.00	18,153.00	7,936.00	278.48	279.47	-90.86	-1,534.99	-10,519.36	3,147.64	2,590.61	557.03	5.651 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	109.69	109.69					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	109.69	109.69	109.42	0.27	407.980		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	109.69	109.69	108.70	0.99	111.267		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	109.69	109.69	107.98	1.70	64.418		
400.00	400.00	400.67	400.65	1.21	1.20	90.91	-1.74	109.36	109.38	106.97	2.41	45.458		
493.63	493.61	494.59	494.44	1.55	1.52	103.51	-6.49	108.47	109.01	105.95	3.06	35.607 CC		
500.00	499.98	500.96	500.79	1.57	1.54	103.85	-6.92	108.38	109.01	105.91	3.11	35.095 ES		
600.00	599.84	600.18	599.63	1.93	1.90	110.93	-15.44	106.78	110.19	106.37	3.82	28.826		
700.00	699.45	697.65	696.38	2.30	2.27	120.69	-27.08	104.59	115.31	110.75	4.56	25.288		
800.00	798.70	792.76	790.33	2.67	2.65	131.62	-41.54	101.87	127.10	121.79	5.31	23.937		
900.00	897.47	884.93	880.87	3.07	3.05	141.99	-58.48	98.68	147.44	141.39	6.05	24.378		
1,000.00	995.62	973.69	967.49	3.49	3.47	150.75	-77.49	95.10	176.80	170.04	6.75	26.176		
1,100.00	1,093.06	1,058.62	1,049.79	3.94	3.89	157.65	-98.14	91.22	214.61	207.18	7.42	28.908		
1,123.07	1,115.42	1,077.64	1,068.12	4.05	3.99	159.00	-103.09	90.29	224.43	216.86	7.58	29.623		
1,200.00	1,189.91	1,139.90	1,127.92	4.42	4.33	163.14	-120.13	87.08	259.08	251.04	8.05	32.195		
1,300.00	1,286.74	1,218.56	1,202.90	4.92	4.76	167.33	-143.49	82.68	307.39	298.75	8.64	35.577		
1,400.00	1,383.57	1,303.07	1,283.11	5.42	5.26	170.79	-169.65	77.76	357.86	348.57	9.29	38.511		
1,500.00	1,480.40	1,387.57	1,363.31	5.93	5.77	173.41	-195.81	72.83	409.09	399.14	9.95	41.110		
1,600.00	1,577.24	1,472.08	1,443.51	6.45	6.28	175.46	-221.98	67.91	460.83	450.22	10.62	43.408		
1,700.00	1,674.07	1,556.58	1,523.71	6.97	6.80	177.11	-248.14	62.98	512.93	501.64	11.29	45.445		
1,800.00	1,770.90	1,641.09	1,603.91	7.49	7.33	178.45	-274.30	58.06	565.28	553.32	11.96	47.256		
1,900.00	1,867.73	1,725.60	1,684.12	8.02	7.85	179.58	-300.47	53.14	617.82	605.18	12.64	48.873		
2,000.00	1,964.56	1,810.10	1,764.32	8.54	8.38	-179.48	-326.63	48.21	670.51	657.19	13.32	50.322		
2,100.00	2,061.39	1,894.61	1,844.52	9.07	8.91	-178.67	-352.79	43.29	723.31	709.30	14.01	51.627		
2,200.00	2,158.23	1,979.11	1,924.72	9.61	9.45	-177.97	-378.96	38.36	776.21	761.51	14.70	52.806		
2,300.00	2,255.06	2,063.62	2,004.93	10.14	9.98	-177.35	-405.12	33.44	829.18	813.79	15.39	53.876		
2,400.00	2,351.89	2,148.12	2,085.13	10.67	10.52	-176.82	-431.29	28.52	882.20	866.12	16.08	54.851		
2,500.00	2,448.72	2,232.63	2,165.33	11.21	11.05	-176.34	-457.45	23.59	935.28	918.50	16.78	55.742		
2,600.00	2,545.55	2,317.13	2,245.53	11.74	11.59	-175.91	-483.61	18.67	988.40	970.93	17.48	56.559		
2,700.00	2,642.38	2,401.64	2,325.74	12.28	12.13	-175.53	-509.78	13.74	1,041.56	1,023.38	18.17	57.311		
2,800.00	2,739.22	2,486.15	2,405.94	12.82	12.67	-175.18	-535.94	8.82	1,094.74	1,075.87	18.87	58.004		
2,900.00	2,836.05	2,570.65	2,486.14	13.35	13.21	-174.87	-562.10	3.89	1,147.96	1,128.38	19.57	58.646		
3,000.00	2,932.88	2,655.16	2,566.34	13.89	13.75	-174.58	-588.27	-1.03	1,201.19	1,180.91	20.28	59.241		
3,100.00	3,029.71	2,739.66	2,646.55	14.43	14.29	-174.32	-614.43	-5.95	1,254.45	1,233.47	20.98	59.794		
3,200.00	3,126.54	2,824.17	2,726.75	14.97	14.83	-174.08	-640.59	-10.88	1,307.72	1,286.03	21.68	60.310		
3,300.00	3,223.37	2,908.67	2,806.95	15.51	15.37	-173.85	-666.76	-15.80	1,361.01	1,338.62	22.39	60.792		
3,400.00	3,320.21	3,006.82	2,887.15	16.05	16.00	-173.65	-692.92	-20.73	1,414.31	1,391.15	23.15	61.086		
3,500.00	3,417.04	3,077.69	2,967.36	16.59	16.46	-173.46	-719.08	-25.65	1,467.62	1,443.82	23.80	61.664		
3,600.00	3,513.87	3,162.19	3,047.56	17.13	17.00	-173.28	-745.25	-30.58	1,520.94	1,496.44	24.51	62.061		
3,700.00	3,610.70	3,246.70	3,127.76	17.67	17.54	-173.11	-771.41	-35.50	1,574.28	1,549.06	25.22	62.434		
3,800.00	3,707.53	3,331.20	3,207.96	18.21	18.09	-172.96	-797.58	-40.42	1,627.62	1,601.70	25.92	62.785		
3,900.00	3,804.36	3,415.71	3,288.16	18.75	18.63	-172.81	-823.74	-45.35	1,680.97	1,654.34	26.63	63.117		
4,000.00	3,901.19	3,500.21	3,368.37	19.29	19.17	-172.68	-849.90	-50.27	1,734.33	1,706.99	27.34	63.430		
4,100.00	3,998.03	3,584.72	3,448.57	19.83	19.72	-172.55	-876.07	-55.20	1,787.69	1,759.64	28.05	63.726		
4,200.00	4,094.86	3,669.22	3,528.77	20.37	20.26	-172.43	-902.23	-60.12	1,841.06	1,812.30	28.76	64.007		
4,300.00	4,191.69	3,753.73	3,608.97	20.91	20.81	-172.32	-928.39	-65.04	1,894.44	1,864.96	29.47	64.273		
4,400.00	4,288.52	3,838.24	3,689.18	21.45	21.35	-172.21	-954.56	-69.97	1,947.82	1,917.63	30.19	64.526		
4,500.00	4,385.35	3,922.74	3,769.38	21.99	21.90	-172.11	-980.72	-74.89	2,001.21	1,970.31	30.90	64.766		
4,600.00	4,482.18	4,007.25	3,849.58	22.54	22.44	-172.01	-1,006.88	-79.82	2,054.59	2,022.98	31.61	64.994		
4,700.00	4,579.02	4,108.25	3,929.78	23.08	23.09	-171.92	-1,033.05	-84.74	2,107.99	2,075.59	32.40	65.068		
4,800.00	4,675.85	4,176.26	4,009.99	23.62	23.53	-171.83	-1,059.21	-89.67	2,161.39	2,128.35	33.04	65.419		
4,900.00	4,772.68	4,260.76	4,090.19	24.16	24.08	-171.75	-1,085.37	-94.59	2,214.79	2,181.03	33.75	65.617		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,345.27	4,170.39	24.70	24.62	-171.67	-1,111.54	-99.51	2,268.19	2,233.72	34.47	65.806		
5,100.00	4,966.34	4,429.78	4,250.59	25.24	25.17	-171.60	-1,137.70	-104.44	2,321.60	2,286.41	35.18	65.986		
5,200.00	5,063.17	4,514.28	4,330.80	25.79	25.71	-171.52	-1,163.86	-109.36	2,375.01	2,339.11	35.90	66.159		
5,300.00	5,160.01	4,601.21	4,411.00	26.33	26.27	-171.45	-1,190.03	-114.29	2,428.42	2,391.79	36.63	66.305		
5,400.00	5,256.84	4,683.29	4,491.20	26.87	26.80	-171.39	-1,216.19	-119.21	2,481.83	2,444.50	37.33	66.481		
5,500.00	5,353.67	4,767.80	4,571.40	27.41	27.35	-171.33	-1,242.36	-124.14	2,535.25	2,497.20	38.05	66.633		
5,600.00	5,450.50	4,852.30	4,651.60	27.96	27.89	-171.27	-1,268.52	-129.06	2,588.67	2,549.90	38.77	66.778		
5,700.00	5,547.33	4,936.81	4,731.81	28.50	28.44	-171.21	-1,294.68	-133.98	2,642.09	2,602.61	39.48	66.917		
5,800.00	5,644.16	5,021.31	4,812.01	29.04	28.98	-171.15	-1,320.85	-138.91	2,695.51	2,655.31	40.20	67.050		
5,900.00	5,741.00	5,105.82	4,892.21	29.58	29.53	-171.10	-1,347.01	-143.83	2,748.94	2,708.02	40.92	67.179		
6,000.00	5,837.83	5,209.67	4,972.41	30.12	30.20	-171.05	-1,373.17	-148.76	2,802.36	2,760.64	41.72	67.167		
6,100.00	5,934.66	5,274.83	5,052.62	30.67	30.62	-171.00	-1,399.34	-153.68	2,855.79	2,813.43	42.36	67.420		
6,200.00	6,031.49	5,359.34	5,132.82	31.21	31.17	-170.95	-1,425.50	-158.60	2,909.22	2,866.14	43.08	67.534		
6,300.00	6,128.32	5,443.84	5,213.02	31.75	31.71	-170.90	-1,451.66	-163.53	2,962.65	2,918.85	43.80	67.643		
6,400.00	6,225.15	5,528.35	5,293.22	32.29	32.26	-170.86	-1,477.83	-168.45	3,016.08	2,971.56	44.52	67.748		
6,500.00	6,321.99	5,612.85	5,373.43	32.84	32.80	-170.82	-1,503.99	-173.38	3,069.52	3,024.28	45.24	67.849		
6,600.00	6,418.82	5,702.64	5,453.63	33.38	33.38	-170.78	-1,530.15	-178.30	3,122.95	3,076.97	45.98	67.913		
6,700.00	6,515.65	5,781.87	5,533.83	33.92	33.90	-170.74	-1,556.32	-183.23	3,176.39	3,129.70	46.68	68.041		
6,756.73	6,570.58	5,829.81	5,579.33	34.23	34.21	-170.71	-1,571.16	-186.02	3,206.70	3,159.61	47.09	68.092		
6,800.00	6,612.56	5,866.54	5,614.19	34.46	34.44	-170.78	-1,582.53	-188.16	3,229.55	3,182.14	47.41	68.126		
6,900.00	6,710.15	5,952.70	5,695.97	34.97	35.00	-170.92	-1,609.21	-193.18	3,280.24	3,232.11	48.13	68.155		
7,000.00	6,808.44	6,040.54	5,779.33	35.43	35.57	-171.03	-1,636.41	-198.30	3,327.93	3,279.08	48.86	68.118		
7,100.00	6,907.31	6,129.95	5,864.19	35.85	36.14	-171.12	-1,664.09	-203.51	3,372.57	3,322.99	49.58	68.020		
7,200.00	7,006.64	6,220.83	5,950.44	36.23	36.73	-171.19	-1,692.22	-208.80	3,414.10	3,363.80	50.31	67.863		
7,300.00	7,106.32	6,313.05	6,037.97	36.57	37.33	-171.23	-1,720.78	-214.18	3,452.48	3,401.44	51.03	67.651		
7,400.00	7,206.21	6,406.52	6,126.67	36.87	37.93	-171.26	-1,749.71	-219.62	3,487.65	3,435.90	51.76	67.387		
7,479.80	7,286.00	6,481.91	6,198.23	37.07	38.42	179.44	-1,773.06	-224.02	3,513.40	3,461.07	52.33	67.141		
7,499.99	7,306.18	6,501.07	6,216.41	37.12	38.54	179.46	-1,778.99	-225.13	3,519.65	3,467.17	52.47	67.075		
7,509.80	7,316.00	6,510.39	6,225.25	37.15	38.60	179.47	-1,781.87	-225.68	3,522.69	3,470.14	52.54	67.044		
7,550.00	7,356.16	6,548.59	6,261.51	37.25	38.85	-89.45	-1,793.70	-227.90	3,535.14	3,482.31	52.83	66.911		
7,600.00	7,405.83	7,717.05	7,407.40	37.38	43.90	-90.15	-1,976.82	-269.71	3,544.40	3,485.38	59.03	60.045		
7,650.00	7,454.80	7,767.91	7,457.18	37.51	44.03	-90.15	-1,976.77	-280.04	3,544.40	3,485.02	59.38	59.691		
7,700.00	7,502.72	7,818.76	7,505.84	37.65	44.16	-90.15	-1,976.71	-294.74	3,544.40	3,484.65	59.75	59.320		
7,750.00	7,549.22	7,869.58	7,552.98	37.80	44.30	-90.14	-1,976.62	-313.68	3,544.40	3,484.25	60.15	58.930		
7,800.00	7,593.95	7,920.37	7,598.23	37.95	44.44	-90.13	-1,976.52	-336.70	3,544.39	3,483.83	60.57	58.519		
7,850.00	7,636.56	7,971.11	7,641.23	38.11	44.59	-90.13	-1,976.40	-363.62	3,544.39	3,483.37	61.02	58.083		
7,900.00	7,676.73	8,021.82	7,681.65	38.28	44.74	-90.12	-1,976.27	-394.21	3,544.38	3,482.87	61.52	57.618		
7,950.00	7,714.16	8,072.47	7,719.17	38.45	44.90	-90.11	-1,976.12	-428.21	3,544.38	3,482.32	62.06	57.116		
8,000.00	7,748.55	8,123.07	7,753.51	38.63	45.07	-90.10	-1,975.95	-465.35	3,544.37	3,481.72	62.65	56.572		
8,050.00	7,779.66	8,173.60	7,784.40	38.82	45.24	-90.09	-1,975.77	-505.32	3,544.37	3,481.05	63.31	55.980		
8,100.00	7,807.24	8,224.08	7,811.62	39.03	45.42	-90.08	-1,975.59	-547.81	3,544.36	3,480.31	64.05	55.336		
8,150.00	7,831.08	8,274.48	7,834.97	39.26	45.62	-90.07	-1,975.39	-592.46	3,544.36	3,479.49	64.87	54.639		
8,200.00	7,850.99	8,324.82	7,854.28	39.50	45.83	-90.05	-1,975.18	-638.93	3,544.35	3,478.58	65.77	53.890		
8,250.00	7,866.84	8,375.08	7,869.42	39.78	46.05	-90.04	-1,974.97	-686.84	3,544.34	3,477.58	66.76	53.092		
8,300.00	7,878.50	8,425.27	7,880.29	40.08	46.30	-90.03	-1,974.75	-735.82	3,544.34	3,476.51	67.83	52.254		
8,350.00	7,885.88	8,475.39	7,886.83	40.42	46.56	-90.01	-1,974.53	-785.49	3,544.33	3,475.35	68.97	51.386		
8,400.00	7,888.92	8,525.42	7,889.00	40.79	46.85	-90.00	-1,974.31	-835.47	3,544.32	3,474.14	70.18	50.502		
8,409.88	7,889.00	8,535.30	7,889.00	40.87	46.91	-90.00	-1,974.27	-845.34	3,544.32	3,473.89	70.43	50.322		
8,500.00	7,889.00	8,625.42	7,889.00	41.64	47.50	-90.00	-1,973.87	-935.46	3,544.31	3,471.48	72.83	48.668		
8,600.00	7,889.00	8,725.41	7,889.00	42.65	48.27	-90.00	-1,973.43	-1,035.45	3,544.30	3,468.55	75.75	46.789		
8,700.00	7,889.00	8,825.41	7,889.00	43.81	49.17	-90.00	-1,972.98	-1,135.45	3,544.29	3,465.35	78.93	44.902		
8,800.00	7,889.00	8,925.40	7,889.00	45.13	50.20	-90.00	-1,972.54	-1,235.44	3,544.28	3,461.93	82.35	43.041		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,900.00	7,888.99	9,025.40	7,888.99	46.58	51.36	-90.00	-1,972.10	-1,335.43	3,544.26	3,458.30	85.96	41.231		
9,000.00	7,888.99	9,125.39	7,888.99	48.17	52.66	-90.00	-1,971.65	-1,435.43	3,544.25	3,454.50	89.75	39.489		
9,100.00	7,888.99	9,225.39	7,888.99	49.86	54.09	-90.00	-1,971.21	-1,535.42	3,544.24	3,450.54	93.70	37.825		
9,200.00	7,888.99	9,325.38	7,888.99	51.66	55.64	-90.00	-1,970.77	-1,635.42	3,544.23	3,446.45	97.79	36.245		
9,300.00	7,888.99	9,425.38	7,888.99	53.55	57.30	-90.00	-1,970.33	-1,735.41	3,544.22	3,442.23	101.99	34.750		
9,400.00	7,888.99	9,525.37	7,888.99	55.51	59.06	-90.00	-1,969.89	-1,835.40	3,544.21	3,437.91	106.30	33.340		
9,500.00	7,888.99	9,625.37	7,888.99	57.54	60.91	-90.00	-1,969.44	-1,935.40	3,544.20	3,433.49	110.71	32.014		
9,600.00	7,888.99	9,725.36	7,888.99	59.63	62.83	-90.00	-1,969.00	-2,035.39	3,544.19	3,429.00	115.20	30.766		
9,700.00	7,888.99	9,825.36	7,888.99	61.77	64.83	-90.00	-1,968.56	-2,135.39	3,544.18	3,424.42	119.76	29.594		
9,800.00	7,888.98	9,925.35	7,888.99	63.96	66.89	-90.00	-1,968.12	-2,235.38	3,544.18	3,419.79	124.39	28.493		
9,900.00	7,888.98	10,025.35	7,888.98	66.19	69.01	-90.00	-1,967.68	-2,335.37	3,544.17	3,415.09	129.08	27.458		
10,000.00	7,888.98	10,125.34	7,888.98	68.46	71.17	-90.00	-1,967.24	-2,435.37	3,544.16	3,410.34	133.82	26.485		
10,100.00	7,888.98	10,225.34	7,888.98	70.76	73.38	-90.00	-1,966.80	-2,535.36	3,544.15	3,405.55	138.60	25.571		
10,200.00	7,888.98	10,325.33	7,888.98	73.08	75.63	-90.00	-1,966.36	-2,635.36	3,544.14	3,400.71	143.43	24.710		
10,300.00	7,888.98	10,425.33	7,888.98	75.44	77.91	-90.00	-1,965.92	-2,735.35	3,544.14	3,395.84	148.30	23.899		
10,400.00	7,888.98	10,525.32	7,888.98	77.81	80.22	-90.00	-1,965.48	-2,835.34	3,544.13	3,390.93	153.20	23.134		
10,500.00	7,888.98	10,625.32	7,888.98	80.21	82.55	-90.00	-1,965.04	-2,935.34	3,544.12	3,385.99	158.13	22.413		
10,600.00	7,888.98	10,725.31	7,888.98	82.63	84.91	-90.00	-1,964.60	-3,035.33	3,544.11	3,381.02	163.09	21.731		
10,700.00	7,888.98	10,825.31	7,888.98	85.06	87.30	-90.00	-1,964.16	-3,135.33	3,544.11	3,376.03	168.08	21.086		
10,800.00	7,888.98	10,925.30	7,888.98	87.51	89.70	-90.00	-1,963.72	-3,235.32	3,544.10	3,371.01	173.09	20.476		
10,900.00	7,888.98	11,025.30	7,888.98	89.98	92.12	-90.00	-1,963.28	-3,335.31	3,544.10	3,365.97	178.12	19.897		
11,000.00	7,888.98	11,125.29	7,888.98	92.46	94.56	-90.00	-1,962.84	-3,435.31	3,544.09	3,360.92	183.17	19.348		
11,100.00	7,888.97	11,225.29	7,888.98	94.95	97.01	-90.00	-1,962.40	-3,535.30	3,544.09	3,355.84	188.25	18.827		
11,200.00	7,888.97	11,325.28	7,888.98	97.45	99.48	-90.00	-1,961.96	-3,635.30	3,544.08	3,350.75	193.33	18.331		
11,300.00	7,888.97	11,425.28	7,888.98	99.96	101.96	-90.00	-1,961.52	-3,735.29	3,544.08	3,345.64	198.44	17.860		
11,400.00	7,888.97	11,525.27	7,888.97	102.48	104.45	-90.00	-1,961.08	-3,835.29	3,544.07	3,340.52	203.55	17.411		
11,500.00	7,888.97	11,625.27	7,888.97	105.01	106.95	-90.00	-1,960.64	-3,935.28	3,544.07	3,335.38	208.68	16.983		
11,600.00	7,888.97	11,725.26	7,888.97	107.54	109.47	-90.00	-1,960.20	-4,035.27	3,544.06	3,330.23	213.83	16.574		
11,700.00	7,888.97	11,825.26	7,888.97	110.09	111.99	-90.00	-1,959.76	-4,135.27	3,544.06	3,325.08	218.98	16.184		
11,800.00	7,888.97	11,925.25	7,888.97	112.64	114.52	-90.00	-1,959.32	-4,235.26	3,544.05	3,319.91	224.15	15.811		
11,900.00	7,888.97	12,025.25	7,888.97	115.20	117.06	-90.00	-1,958.89	-4,335.26	3,544.05	3,314.73	229.32	15.454		
12,000.00	7,888.97	12,125.24	7,888.97	117.76	119.60	-90.00	-1,958.45	-4,435.25	3,544.05	3,309.54	234.51	15.113		
12,100.00	7,888.97	12,225.24	7,888.97	120.33	122.15	-90.00	-1,958.01	-4,535.24	3,544.05	3,304.34	239.70	14.785		
12,200.00	7,888.97	12,325.23	7,888.97	122.91	124.71	-90.00	-1,957.57	-4,635.24	3,544.04	3,299.14	244.90	14.471		
12,300.00	7,888.97	12,425.23	7,888.97	125.49	127.28	-90.00	-1,957.13	-4,735.23	3,544.04	3,293.93	250.11	14.170		
12,400.00	7,888.97	12,525.22	7,888.97	128.07	129.85	-90.00	-1,956.70	-4,835.23	3,544.04	3,288.71	255.33	13.880		
12,500.00	7,888.97	12,625.22	7,888.97	130.66	132.42	-90.00	-1,956.26	-4,935.22	3,544.04	3,283.48	260.55	13.602		
12,600.00	7,888.97	12,725.21	7,888.97	133.26	135.00	-90.00	-1,955.82	-5,035.21	3,544.03	3,278.25	265.78	13.334		
12,700.00	7,888.97	12,825.21	7,888.97	135.85	137.58	-90.00	-1,955.38	-5,135.21	3,544.03	3,273.01	271.02	13.077		
12,800.00	7,888.97	12,925.20	7,888.97	138.45	140.17	-90.00	-1,954.95	-5,235.20	3,544.03	3,267.77	276.26	12.829		
12,900.00	7,888.97	13,025.20	7,888.97	141.06	142.77	-90.00	-1,954.51	-5,335.20	3,544.03	3,262.52	281.51	12.589		
13,000.00	7,888.97	13,125.19	7,888.97	143.66	145.36	-90.00	-1,954.07	-5,435.19	3,544.03	3,257.27	286.76	12.359		
13,100.00	7,888.97	13,225.19	7,888.97	146.28	147.96	-90.00	-1,953.64	-5,535.18	3,544.03	3,252.02	292.02	12.136		
13,184.45	7,888.97	13,309.64	7,888.97	148.48	150.16	-90.00	-1,953.27	-5,619.63	3,544.03	3,247.57	296.46	11.955		
13,200.00	7,888.97	13,325.18	7,888.97	148.89	150.57	-90.00	-1,953.20	-5,635.18	3,544.03	3,246.75	297.28	11.922		
13,300.00	7,888.97	13,425.18	7,888.97	151.50	153.17	-90.00	-1,952.76	-5,735.17	3,544.03	3,241.49	302.54	11.714		
13,400.00	7,888.97	13,525.17	7,888.97	154.12	155.78	-90.00	-1,952.33	-5,835.17	3,544.03	3,236.22	307.81	11.514		
13,500.00	7,888.97	13,625.17	7,888.97	156.74	158.40	-90.00	-1,951.89	-5,935.16	3,544.03	3,230.95	313.09	11.320		
13,600.00	7,888.97	13,725.16	7,888.97	159.37	161.01	-90.00	-1,951.46	-6,035.15	3,544.03	3,225.67	318.36	11.132		
13,700.00	7,888.97	13,825.16	7,888.97	161.99	163.63	-90.00	-1,951.02	-6,135.15	3,544.03	3,220.39	323.64	10.950		
13,800.00	7,888.97	13,925.15	7,888.97	164.62	166.25	-90.00	-1,950.58	-6,235.14	3,544.04	3,215.11	328.93	10.775		
13,900.00	7,888.97	14,025.15	7,888.97	167.25	168.88	-90.00	-1,950.15	-6,335.14	3,544.04	3,209.83	334.21	10.604		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-11 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,000.00	7,888.97	14,125.14	7,888.97	169.88	171.50	-90.00	-1,949.71	-6,435.13	3,544.04	3,204.54	339.50	10.439		
14,100.00	7,888.97	14,225.14	7,888.97	172.52	174.13	-90.00	-1,949.28	-6,535.13	3,544.04	3,199.25	344.80	10.279		
14,200.00	7,888.97	14,325.13	7,888.97	175.15	176.76	-90.00	-1,948.84	-6,635.12	3,544.05	3,193.95	350.09	10.123		
14,300.00	7,888.97	14,425.13	7,888.97	177.79	179.39	-90.00	-1,948.41	-6,735.11	3,544.05	3,188.66	355.39	9.972		
14,400.00	7,888.97	14,525.12	7,888.97	180.43	182.03	-90.00	-1,947.97	-6,835.11	3,544.05	3,183.36	360.69	9.826		
14,500.00	7,888.97	14,625.12	7,888.97	183.07	184.66	-90.00	-1,947.54	-6,935.10	3,544.05	3,178.06	365.99	9.683		
14,600.00	7,888.97	14,725.11	7,888.97	185.71	187.30	-90.00	-1,947.10	-7,035.10	3,544.06	3,172.76	371.30	9.545		
14,700.00	7,888.97	14,825.11	7,888.97	188.35	189.94	-90.00	-1,946.67	-7,135.09	3,544.06	3,167.46	376.61	9.411		
14,800.00	7,888.97	14,925.10	7,888.97	190.99	192.58	-90.00	-1,946.24	-7,235.08	3,544.07	3,162.15	381.92	9.280		
14,900.00	7,888.97	15,025.10	7,888.97	193.64	195.22	-90.00	-1,945.80	-7,335.08	3,544.07	3,156.84	387.23	9.152		
15,000.00	7,888.97	15,125.09	7,888.97	196.29	197.86	-90.00	-1,945.37	-7,435.07	3,544.08	3,151.53	392.54	9.029		
15,100.00	7,888.97	15,225.09	7,888.97	198.93	200.51	-90.00	-1,944.93	-7,535.07	3,544.08	3,146.22	397.86	8.908		
15,200.00	7,888.97	15,325.08	7,888.98	201.58	203.15	-90.00	-1,944.50	-7,635.06	3,544.09	3,140.91	403.17	8.790		
15,300.00	7,888.97	15,425.08	7,888.98	204.23	205.80	-90.00	-1,944.07	-7,735.05	3,544.09	3,135.60	408.49	8.676		
15,400.00	7,888.97	15,525.07	7,888.98	206.88	208.45	-90.00	-1,943.63	-7,835.05	3,544.10	3,130.28	413.81	8.564		
15,500.00	7,888.98	15,625.07	7,888.98	209.54	211.10	-90.00	-1,943.20	-7,935.04	3,544.10	3,124.97	419.14	8.456		
15,600.00	7,888.98	15,725.06	7,888.98	212.19	213.75	-90.00	-1,942.77	-8,035.04	3,544.11	3,119.65	424.46	8.350		
15,700.00	7,888.98	15,825.06	7,888.98	214.84	216.40	-90.00	-1,942.33	-8,135.03	3,544.12	3,114.33	429.79	8.246		
15,800.00	7,888.98	15,925.05	7,888.98	217.50	219.05	-90.00	-1,941.90	-8,235.02	3,544.12	3,109.01	435.11	8.145		
15,900.00	7,888.98	16,025.05	7,888.98	220.15	221.71	-90.00	-1,941.47	-8,335.02	3,544.13	3,103.69	440.44	8.047		
16,000.00	7,888.98	16,125.04	7,888.98	222.81	224.36	-90.00	-1,941.03	-8,435.01	3,544.14	3,098.37	445.77	7.951		
16,100.00	7,888.98	16,225.04	7,888.98	225.47	227.02	-90.00	-1,940.60	-8,535.01	3,544.14	3,093.04	451.10	7.857		
16,200.00	7,888.98	16,325.03	7,888.98	228.13	229.67	-90.00	-1,940.17	-8,635.00	3,544.15	3,087.72	456.43	7.765		
16,300.00	7,888.98	16,425.03	7,888.98	230.78	232.33	-90.00	-1,939.74	-8,735.00	3,544.16	3,082.40	461.77	7.675		
16,400.00	7,888.98	16,525.02	7,888.98	233.44	234.99	-90.00	-1,939.31	-8,834.99	3,544.17	3,077.07	467.10	7.588		
16,500.00	7,888.98	16,625.02	7,888.98	236.10	237.65	-90.00	-1,938.87	-8,934.98	3,544.18	3,071.74	472.43	7.502		
16,600.00	7,888.98	16,725.01	7,888.98	238.77	240.31	-90.00	-1,938.44	-9,034.98	3,544.19	3,066.41	477.77	7.418		
16,700.00	7,888.98	16,825.01	7,888.99	241.43	242.97	-90.00	-1,938.01	-9,134.97	3,544.19	3,061.09	483.11	7.336		
16,800.00	7,888.99	16,925.00	7,888.99	244.09	245.63	-90.00	-1,937.58	-9,234.97	3,544.20	3,055.76	488.45	7.256		
16,900.00	7,888.99	17,025.00	7,888.99	246.75	248.29	-90.00	-1,937.15	-9,334.96	3,544.21	3,050.43	493.79	7.178		
17,000.00	7,888.99	17,124.99	7,888.99	249.41	250.95	-90.00	-1,936.72	-9,434.95	3,544.22	3,045.10	499.13	7.101		
17,100.00	7,888.99	17,224.99	7,888.99	252.08	253.62	-90.00	-1,936.29	-9,534.95	3,544.23	3,039.77	504.47	7.026		
17,200.00	7,888.99	17,324.98	7,888.99	254.74	256.28	-90.00	-1,935.85	-9,634.94	3,544.24	3,034.43	509.81	6.952		
17,300.00	7,888.99	17,424.98	7,888.99	257.41	258.95	-90.00	-1,935.42	-9,734.94	3,544.25	3,029.10	515.15	6.880		
17,400.00	7,888.99	17,524.97	7,888.99	260.07	261.61	-90.00	-1,934.99	-9,834.93	3,544.27	3,023.77	520.50	6.809		
17,500.00	7,888.99	17,624.97	7,888.99	262.74	264.28	-90.00	-1,934.56	-9,934.92	3,544.28	3,018.44	525.84	6.740		
17,600.00	7,888.99	17,724.96	7,888.99	265.41	266.94	-90.00	-1,934.13	-10,034.92	3,544.29	3,013.10	531.19	6.672		
17,700.00	7,889.00	17,824.96	7,889.00	268.07	269.61	-90.00	-1,933.70	-10,134.91	3,544.30	3,007.77	536.53	6.606		
17,800.00	7,889.00	17,924.95	7,889.00	270.74	272.28	-90.00	-1,933.27	-10,234.91	3,544.31	3,002.43	541.88	6.541		
17,900.00	7,889.00	18,024.95	7,889.00	273.41	274.95	-90.00	-1,932.84	-10,334.90	3,544.32	2,997.10	547.23	6.477		
18,000.00	7,889.00	18,124.94	7,889.00	276.08	277.61	-90.00	-1,932.41	-10,434.89	3,544.34	2,991.76	552.57	6.414		
18,000.02	7,889.00	18,124.96	7,889.00	276.08	277.61	-90.00	-1,932.41	-10,434.91	3,544.34	2,991.76	552.58	6.414		
18,089.93	7,889.00	18,212.39	7,889.00	278.48	279.95	-90.00	-1,932.04	-10,522.34	3,544.35	2,987.03	557.32	6.360 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	126.56	126.56					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	126.56	126.56	126.29	0.27	470.746		
200.00	200.00	200.68	200.66	0.49	0.49	90.79	-1.75	126.27	126.29	125.31	0.98	129.232		
300.00	300.00	301.12	300.95	0.85	0.85	93.18	-6.96	125.41	125.61	123.91	1.70	74.081		
400.00	400.00	401.06	400.51	1.21	1.22	97.17	-15.59	123.99	124.97	122.53	2.43	51.377		
421.08	421.08	422.03	421.36	1.29	1.31	107.54	-17.84	123.62	124.92	122.33	2.59	48.194	CC, ES	
500.00	499.98	500.02	498.72	1.57	1.62	112.71	-27.51	122.02	125.76	122.57	3.19	39.452		
600.00	599.84	597.24	594.74	1.93	2.04	121.35	-42.47	119.55	130.48	126.52	3.96	32.941		
700.00	699.45	692.08	687.87	2.30	2.47	131.17	-60.15	116.63	141.62	136.88	4.74	29.869		
800.00	798.70	783.99	777.51	2.67	2.93	140.78	-80.18	113.33	161.03	155.53	5.50	29.258		
900.00	897.47	872.48	863.15	3.07	3.39	149.15	-102.14	109.71	189.36	183.13	6.23	30.402		
1,000.00	995.62	957.16	944.42	3.49	3.87	155.95	-125.58	105.84	226.21	219.30	6.91	32.752		
1,100.00	1,093.06	1,037.69	1,021.04	3.94	4.35	161.27	-150.07	101.80	270.77	263.22	7.55	35.885		
1,123.07	1,115.42	1,055.66	1,038.03	4.05	4.46	162.32	-155.82	100.85	282.04	274.35	7.70	36.651		
1,200.00	1,189.91	1,114.38	1,093.31	4.42	4.84	165.62	-175.35	97.62	321.30	313.15	8.15	39.435		
1,300.00	1,286.74	1,188.35	1,162.36	4.92	5.33	169.02	-201.53	93.30	375.17	366.46	8.72	43.044		
1,400.00	1,383.57	1,267.44	1,235.67	5.42	5.88	171.92	-230.82	88.47	431.26	421.92	9.34	46.185		
1,500.00	1,480.40	1,348.29	1,310.59	5.93	6.45	174.23	-260.79	83.52	488.03	478.04	9.98	48.882		
1,600.00	1,577.24	1,429.14	1,385.52	6.45	7.02	176.07	-290.75	78.58	545.23	534.60	10.64	51.261		
1,700.00	1,674.07	1,509.99	1,460.45	6.97	7.59	177.57	-320.72	73.63	602.76	591.47	11.29	53.366		
1,800.00	1,770.90	1,609.17	1,535.37	7.49	8.30	178.82	-350.69	68.69	660.52	648.48	12.04	54.841		
1,900.00	1,867.73	1,671.68	1,610.30	8.02	8.75	179.86	-380.66	63.74	718.46	705.83	12.63	56.902		
2,000.00	1,964.56	1,752.53	1,685.22	8.54	9.33	-179.25	-410.63	58.79	776.53	763.23	13.30	58.396		
2,100.00	2,061.39	1,833.38	1,760.15	9.07	9.92	-178.48	-440.60	53.85	834.71	820.74	13.97	59.739		
2,200.00	2,158.23	1,914.23	1,835.08	9.61	10.50	-177.81	-470.57	48.90	892.98	878.33	14.65	60.953		
2,300.00	2,255.06	2,004.92	1,910.00	10.14	11.16	-177.22	-500.54	43.95	951.33	935.95	15.38	61.870		
2,400.00	2,351.89	2,075.93	1,984.93	10.67	11.67	-176.70	-530.51	39.01	1,009.73	993.71	16.01	63.056		
2,500.00	2,448.72	2,156.78	2,059.85	11.21	12.26	-176.23	-560.48	34.06	1,068.18	1,051.48	16.70	63.972		
2,600.00	2,545.55	2,237.63	2,134.78	11.74	12.85	-175.82	-590.45	29.12	1,126.67	1,109.28	17.38	64.811		
2,700.00	2,642.38	2,318.48	2,209.71	12.28	13.44	-175.44	-620.42	24.17	1,185.20	1,167.12	18.07	65.583		
2,800.00	2,739.22	2,400.67	2,284.63	12.82	14.04	-175.10	-650.39	19.22	1,243.75	1,224.99	18.77	66.272		
2,900.00	2,836.05	2,480.17	2,359.56	13.35	14.62	-174.79	-680.36	14.28	1,302.34	1,282.89	19.45	66.952		
3,000.00	2,932.88	2,561.02	2,434.49	13.89	15.21	-174.51	-710.33	9.33	1,360.95	1,340.80	20.14	67.561		
3,100.00	3,029.71	2,641.87	2,509.41	14.43	15.80	-174.25	-740.30	4.39	1,419.57	1,398.74	20.84	68.128		
3,200.00	3,126.54	2,722.72	2,584.34	14.97	16.39	-174.01	-770.27	-0.56	1,478.22	1,456.69	21.53	68.655		
3,300.00	3,223.37	2,803.57	2,659.26	15.51	16.98	-173.79	-800.24	-5.51	1,536.88	1,514.65	22.23	69.147		
3,400.00	3,320.21	2,884.42	2,734.19	16.05	17.57	-173.58	-830.21	-10.45	1,595.55	1,572.63	22.92	69.608		
3,500.00	3,417.04	2,965.27	2,809.12	16.59	18.16	-173.39	-860.18	-15.40	1,654.24	1,630.62	23.62	70.038		
3,600.00	3,513.87	3,046.12	2,884.04	17.13	18.75	-173.21	-890.15	-20.34	1,712.94	1,688.62	24.32	70.443		
3,700.00	3,610.70	3,126.97	2,958.97	17.67	19.35	-173.05	-920.12	-25.29	1,771.65	1,746.63	25.02	70.823		
3,800.00	3,707.53	3,207.82	3,033.90	18.21	19.94	-172.89	-950.09	-30.24	1,830.37	1,804.65	25.71	71.181		
3,900.00	3,804.36	3,288.67	3,108.82	18.75	20.53	-172.75	-980.06	-35.18	1,889.09	1,862.68	26.41	71.518		
4,000.00	3,901.19	3,369.52	3,183.75	19.29	21.12	-172.61	-1,010.03	-40.13	1,947.83	1,920.71	27.11	71.836		
4,100.00	3,998.03	3,450.36	3,258.67	19.83	21.71	-172.48	-1,040.00	-45.07	2,006.57	1,978.75	27.82	72.137		
4,200.00	4,094.86	3,531.21	3,333.60	20.37	22.31	-172.36	-1,069.97	-50.02	2,065.31	2,036.80	28.52	72.421		
4,300.00	4,191.69	3,612.06	3,408.53	20.91	22.90	-172.24	-1,099.94	-54.97	2,124.07	2,094.85	29.22	72.691		
4,400.00	4,288.52	3,707.09	3,483.45	21.45	23.60	-172.14	-1,129.91	-59.91	2,182.82	2,152.84	29.99	72.789		
4,500.00	4,385.35	3,773.76	3,558.38	21.99	24.09	-172.03	-1,159.88	-64.86	2,241.59	2,210.96	30.63	73.189		
4,600.00	4,482.18	3,854.61	3,633.30	22.54	24.68	-171.93	-1,189.85	-69.80	2,300.35	2,269.02	31.33	73.420		
4,700.00	4,579.02	3,935.46	3,708.23	23.08	25.27	-171.84	-1,219.82	-74.75	2,359.13	2,327.09	32.04	73.639		
4,800.00	4,675.85	4,016.31	3,783.16	23.62	25.86	-171.75	-1,249.79	-79.70	2,417.90	2,385.16	32.74	73.848		
4,900.00	4,772.68	4,102.84	3,858.08	24.16	26.50	-171.67	-1,279.76	-84.64	2,476.68	2,443.21	33.47	73.989		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,178.01	3,933.01	24.70	27.05	-171.59	-1,309.73	-89.59	2,535.46	2,501.31	34.15	74.236		
5,100.00	4,966.34	4,258.86	4,007.94	25.24	27.64	-171.51	-1,339.70	-94.53	2,594.25	2,559.39	34.86	74.417		
5,200.00	5,063.17	4,339.70	4,082.86	25.79	28.24	-171.44	-1,369.67	-99.48	2,653.04	2,617.47	35.57	74.590		
5,300.00	5,160.01	4,420.55	4,157.79	26.33	28.83	-171.37	-1,399.64	-104.43	2,711.83	2,675.55	36.28	74.755		
5,400.00	5,256.84	4,501.40	4,232.71	26.87	29.42	-171.30	-1,429.61	-109.37	2,770.62	2,733.64	36.98	74.912		
5,500.00	5,353.67	4,582.25	4,307.64	27.41	30.02	-171.24	-1,459.58	-114.32	2,829.42	2,791.72	37.69	75.063		
5,600.00	5,450.50	4,663.10	4,382.57	27.96	30.61	-171.18	-1,489.55	-119.26	2,888.21	2,849.81	38.40	75.207		
5,700.00	5,547.33	4,743.95	4,457.49	28.50	31.20	-171.12	-1,519.51	-124.21	2,947.01	2,907.90	39.11	75.345		
5,800.00	5,644.16	4,824.80	4,532.42	29.04	31.80	-171.06	-1,549.48	-129.16	3,005.82	2,965.99	39.82	75.478		
5,900.00	5,741.00	4,905.65	4,607.35	29.58	32.39	-171.01	-1,579.45	-134.10	3,064.62	3,024.09	40.53	75.604		
6,000.00	5,837.83	4,986.50	4,682.27	30.12	32.98	-170.95	-1,609.42	-139.05	3,123.43	3,082.18	41.25	75.726		
6,100.00	5,934.66	5,067.35	4,757.20	30.67	33.58	-170.90	-1,639.39	-143.99	3,182.23	3,140.28	41.96	75.842		
6,200.00	6,031.49	5,148.20	4,832.12	31.21	34.17	-170.85	-1,669.36	-148.94	3,241.04	3,198.37	42.67	75.954		
6,300.00	6,128.32	5,229.05	4,907.05	31.75	34.77	-170.81	-1,699.33	-153.89	3,299.85	3,256.47	43.38	76.061		
6,400.00	6,225.15	5,309.89	4,981.98	32.29	35.36	-170.76	-1,729.30	-158.83	3,358.67	3,314.57	44.10	76.164		
6,500.00	6,321.99	5,409.26	5,056.90	32.84	36.09	-170.72	-1,759.27	-163.78	3,417.48	3,372.58	44.90	76.119		
6,600.00	6,418.82	5,471.59	5,131.83	33.38	36.55	-170.67	-1,789.24	-168.73	3,476.29	3,430.77	45.53	76.357		
6,700.00	6,515.65	5,552.44	5,206.75	33.92	37.14	-170.63	-1,819.21	-173.67	3,535.11	3,488.87	46.24	76.448		
6,756.73	6,570.58	5,598.31	5,249.26	34.23	37.48	-170.61	-1,836.22	-176.48	3,568.48	3,521.83	46.65	76.499		
6,800.00	6,612.56	5,633.48	5,281.85	34.46	37.74	-170.69	-1,849.25	-178.63	3,593.66	3,546.71	46.96	76.531		
6,900.00	6,710.15	5,716.16	5,358.47	34.97	38.34	-170.86	-1,879.90	-183.69	3,649.85	3,602.18	47.68	76.555		
7,000.00	6,808.44	5,800.70	5,436.83	35.43	38.96	-171.00	-1,911.24	-188.86	3,703.16	3,654.76	48.40	76.513		
7,100.00	6,907.31	5,887.01	5,516.81	35.85	39.60	-171.12	-1,943.23	-194.14	3,753.52	3,704.39	49.13	76.407		
7,200.00	7,006.64	5,974.98	5,598.33	36.23	40.24	-171.21	-1,975.84	-199.52	3,800.88	3,751.02	49.85	76.240		
7,300.00	7,106.32	6,064.50	5,681.30	36.57	40.90	-171.28	-2,009.02	-205.00	3,845.17	3,794.59	50.58	76.018		
7,400.00	7,206.21	6,155.46	5,765.59	36.87	41.57	-171.33	-2,042.74	-210.56	3,886.36	3,835.05	51.31	75.743		
7,479.80	7,286.00	6,229.01	5,833.76	37.07	42.11	179.35	-2,070.01	-215.06	3,916.96	3,865.07	51.89	75.488		
7,499.99	7,306.18	6,247.71	5,851.09	37.12	42.25	179.36	-2,076.94	-216.21	3,924.44	3,872.41	52.03	75.420		
7,509.80	7,316.00	6,256.81	5,859.52	37.15	42.31	179.37	-2,080.31	-216.76	3,928.08	3,875.98	52.11	75.387		
7,550.00	7,356.16	7,795.35	7,351.33	37.25	49.55	-89.77	-2,373.74	-290.80	3,941.44	3,881.47	59.97	65.726		
7,600.00	7,405.83	7,842.26	7,395.52	37.38	49.66	-89.61	-2,373.67	-306.48	3,941.50	3,881.20	60.29	65.371		
7,650.00	7,454.80	7,888.37	7,437.58	37.51	49.77	-89.45	-2,373.59	-325.36	3,941.59	3,880.95	60.64	64.997		
7,700.00	7,502.72	7,933.76	7,477.36	37.65	49.89	-89.30	-2,373.50	-347.19	3,941.71	3,880.70	61.01	64.605		
7,750.00	7,549.22	7,978.47	7,514.73	37.80	50.01	-89.15	-2,373.39	-371.71	3,941.85	3,880.44	61.41	64.192		
7,800.00	7,593.95	8,022.57	7,549.62	37.95	50.13	-89.01	-2,373.27	-398.67	3,942.01	3,880.17	61.83	63.755		
7,850.00	7,636.56	8,066.12	7,581.93	38.11	50.25	-88.88	-2,373.15	-427.85	3,942.18	3,879.89	62.29	63.291		
7,900.00	7,676.73	8,109.17	7,611.60	38.28	50.38	-88.75	-2,373.01	-459.03	3,942.36	3,879.57	62.78	62.795		
7,950.00	7,714.16	8,151.77	7,638.58	38.45	50.50	-88.64	-2,372.87	-491.98	3,942.54	3,879.22	63.32	62.264		
8,000.00	7,748.55	8,193.97	7,662.81	38.63	50.64	-88.53	-2,372.72	-526.52	3,942.72	3,878.81	63.91	61.688		
8,050.00	7,779.66	8,235.82	7,684.28	38.82	50.78	-88.43	-2,372.56	-562.43	3,942.90	3,878.33	64.57	61.066		
8,100.00	7,807.24	8,277.36	7,702.93	39.03	50.92	-88.34	-2,372.40	-599.54	3,943.06	3,877.78	65.28	60.398		
8,150.00	7,831.08	8,318.63	7,718.76	39.26	51.07	-88.26	-2,372.23	-637.65	3,943.21	3,877.15	66.07	59.684		
8,200.00	7,850.99	8,359.69	7,731.74	39.50	51.23	-88.20	-2,372.07	-676.59	3,943.35	3,876.43	66.92	58.926		
8,250.00	7,866.84	8,400.55	7,741.86	39.78	51.40	-88.14	-2,371.89	-716.18	3,943.46	3,875.62	67.84	58.129		
8,300.00	7,878.50	8,441.28	7,749.11	40.08	51.57	-88.10	-2,371.72	-756.24	3,943.55	3,874.72	68.83	57.292		
8,350.00	7,885.88	8,481.89	7,753.49	40.42	51.76	-88.07	-2,371.54	-796.61	3,943.62	3,873.74	69.88	56.431		
8,400.00	7,888.92	8,524.86	7,755.00	40.79	51.97	-88.05	-2,371.37	-836.87	3,943.66	3,872.65	71.01	55.534		
8,409.88	7,889.00	8,532.06	7,755.00	40.87	52.01	-88.05	-2,371.33	-846.74	3,943.66	3,872.43	71.23	55.367		
8,500.00	7,889.00	8,622.19	7,755.00	41.64	52.51	-88.05	-2,370.94	-936.87	3,943.66	3,870.06	73.60	53.581		
8,600.00	7,889.00	8,722.19	7,755.00	42.65	53.15	-88.05	-2,370.50	-1,036.86	3,943.65	3,867.15	76.50	51.549		
8,700.00	7,889.00	8,822.19	7,755.00	43.81	53.89	-88.05	-2,370.07	-1,136.86	3,943.65	3,863.99	79.66	49.505		
8,800.00	7,889.00	8,922.19	7,755.00	45.13	54.73	-88.05	-2,369.63	-1,236.86	3,943.65	3,860.60	83.05	47.486		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,900.00	7,888.99	9,022.19	7,755.00	46.58	55.70	-88.05	-2,369.20	-1,336.86	3,943.65	3,857.01	86.64	45.518		
9,000.00	7,888.99	9,122.19	7,755.00	48.17	56.78	-88.05	-2,368.77	-1,436.86	3,943.64	3,853.24	90.41	43.621		
9,100.00	7,888.99	9,222.19	7,755.00	49.86	57.98	-88.05	-2,368.33	-1,536.86	3,943.64	3,849.31	94.33	41.806		
9,200.00	7,888.99	9,322.19	7,755.00	51.66	59.30	-88.05	-2,367.90	-1,636.86	3,943.64	3,845.25	98.39	40.080		
9,300.00	7,888.99	9,422.19	7,755.00	53.55	60.74	-88.05	-2,367.46	-1,736.86	3,943.64	3,841.06	102.58	38.446		
9,400.00	7,888.99	9,522.19	7,755.00	55.51	62.28	-88.05	-2,367.03	-1,836.86	3,943.63	3,836.77	106.87	36.902		
9,500.00	7,888.99	9,622.19	7,755.00	57.54	63.93	-88.05	-2,366.59	-1,936.86	3,943.63	3,832.38	111.25	35.447		
9,600.00	7,888.99	9,722.19	7,755.00	59.63	65.68	-88.05	-2,366.16	-2,036.85	3,943.63	3,827.91	115.72	34.078		
9,700.00	7,888.99	9,822.19	7,755.00	61.77	67.50	-88.05	-2,365.73	-2,136.85	3,943.63	3,823.36	120.27	32.791		
9,800.00	7,888.98	9,922.19	7,755.00	63.96	69.41	-88.05	-2,365.29	-2,236.85	3,943.63	3,818.75	124.88	31.580		
9,900.00	7,888.98	10,022.19	7,755.00	66.19	71.38	-88.05	-2,364.86	-2,336.85	3,943.63	3,814.08	129.55	30.442		
10,000.00	7,888.98	10,122.19	7,755.00	68.46	73.42	-88.05	-2,364.42	-2,436.85	3,943.62	3,809.36	134.27	29.371		
10,100.00	7,888.98	10,222.19	7,755.00	70.76	75.51	-88.05	-2,363.99	-2,536.85	3,943.62	3,804.58	139.04	28.363		
10,200.00	7,888.98	10,322.19	7,755.00	73.08	77.65	-88.05	-2,363.56	-2,636.85	3,943.62	3,799.77	143.85	27.414		
10,300.00	7,888.98	10,422.19	7,755.00	75.44	79.83	-88.05	-2,363.12	-2,736.85	3,943.62	3,794.92	148.71	26.520		
10,400.00	7,888.98	10,522.19	7,755.00	77.81	82.05	-88.05	-2,362.69	-2,836.85	3,943.62	3,790.03	153.59	25.676		
10,500.00	7,888.98	10,622.19	7,755.00	80.21	84.30	-88.05	-2,362.25	-2,936.85	3,943.62	3,785.11	158.51	24.879		
10,600.00	7,888.98	10,722.19	7,755.00	82.63	86.59	-88.05	-2,361.82	-3,036.85	3,943.62	3,780.16	163.46	24.126		
10,700.00	7,888.98	10,822.19	7,755.00	85.06	88.91	-88.05	-2,361.39	-3,136.84	3,943.62	3,775.18	168.44	23.413		
10,800.00	7,888.98	10,922.19	7,755.00	87.51	91.25	-88.05	-2,360.95	-3,236.84	3,943.62	3,770.18	173.43	22.738		
10,900.00	7,888.98	11,022.19	7,755.00	89.98	93.61	-88.05	-2,360.52	-3,336.84	3,943.62	3,765.16	178.46	22.099		
11,000.00	7,888.98	11,122.19	7,755.00	92.46	96.00	-88.05	-2,360.08	-3,436.84	3,943.62	3,760.12	183.50	21.491		
11,100.00	7,888.97	11,222.19	7,754.99	94.95	98.40	-88.05	-2,359.65	-3,536.84	3,943.62	3,755.06	188.56	20.915		
11,162.64	7,888.97	11,284.82	7,754.99	96.51	99.91	-88.05	-2,359.38	-3,599.48	3,943.62	3,751.88	191.74	20.568		
11,200.00	7,888.97	11,322.19	7,754.99	97.45	100.82	-88.05	-2,359.21	-3,636.84	3,943.62	3,749.98	193.63	20.366		
11,300.00	7,888.97	11,422.19	7,754.99	99.96	103.26	-88.05	-2,358.78	-3,736.84	3,943.62	3,744.89	198.73	19.844		
11,400.00	7,888.97	11,522.19	7,754.99	102.48	105.71	-88.05	-2,358.35	-3,836.84	3,943.62	3,739.78	203.84	19.347		
11,500.00	7,888.97	11,622.19	7,754.99	105.01	108.17	-88.05	-2,357.91	-3,936.84	3,943.62	3,734.66	208.96	18.873		
11,600.00	7,888.97	11,722.19	7,754.99	107.54	110.65	-88.05	-2,357.48	-4,036.84	3,943.62	3,729.53	214.09	18.420		
11,700.00	7,888.97	11,822.19	7,754.99	110.09	113.14	-88.05	-2,357.04	-4,136.83	3,943.62	3,724.38	219.24	17.988		
11,800.00	7,888.97	11,922.19	7,754.99	112.64	115.64	-88.05	-2,356.61	-4,236.83	3,943.62	3,719.23	224.39	17.574		
11,900.00	7,888.97	12,022.19	7,754.99	115.20	118.14	-88.05	-2,356.18	-4,336.83	3,943.62	3,714.06	229.56	17.179		
12,000.00	7,888.97	12,122.19	7,754.99	117.76	120.66	-88.05	-2,355.74	-4,436.83	3,943.62	3,708.88	234.74	16.800		
12,100.00	7,888.97	12,222.19	7,754.99	120.33	123.19	-88.05	-2,355.31	-4,536.83	3,943.62	3,703.70	239.92	16.437		
12,200.00	7,888.97	12,322.19	7,754.99	122.91	125.72	-88.05	-2,354.87	-4,636.83	3,943.62	3,698.51	245.12	16.089		
12,300.00	7,888.97	12,422.19	7,754.99	125.49	128.26	-88.05	-2,354.44	-4,736.83	3,943.63	3,693.30	250.32	15.754		
12,400.00	7,888.97	12,522.19	7,754.99	128.07	130.81	-88.05	-2,354.01	-4,836.83	3,943.63	3,688.10	255.53	15.433		
12,500.00	7,888.97	12,622.19	7,754.99	130.66	133.36	-88.05	-2,353.57	-4,936.83	3,943.63	3,682.88	260.75	15.124		
12,600.00	7,888.97	12,722.19	7,754.99	133.26	135.92	-88.05	-2,353.14	-5,036.83	3,943.63	3,677.66	265.97	14.827		
12,700.00	7,888.97	12,822.19	7,754.99	135.85	138.49	-88.05	-2,352.70	-5,136.83	3,943.63	3,672.43	271.20	14.542		
12,800.00	7,888.97	12,922.19	7,754.99	138.45	141.06	-88.05	-2,352.27	-5,236.82	3,943.63	3,667.20	276.43	14.266		
12,900.00	7,888.97	13,022.19	7,754.99	141.06	143.63	-88.05	-2,351.83	-5,336.82	3,943.64	3,661.96	281.67	14.001		
13,000.00	7,888.97	13,122.19	7,754.99	143.66	146.21	-88.05	-2,351.40	-5,436.82	3,943.64	3,656.72	286.92	13.745		
13,100.00	7,888.97	13,222.19	7,754.99	146.28	148.80	-88.05	-2,350.97	-5,536.82	3,943.64	3,651.47	292.17	13.498		
13,200.00	7,888.97	13,322.19	7,754.99	148.89	151.38	-88.05	-2,350.53	-5,636.82	3,943.64	3,646.22	297.42	13.259		
13,300.00	7,888.97	13,422.19	7,754.99	151.50	153.98	-88.05	-2,350.10	-5,736.82	3,943.65	3,640.96	302.68	13.029		
13,400.00	7,888.97	13,522.19	7,754.99	154.12	156.57	-88.05	-2,349.66	-5,836.82	3,943.65	3,635.70	307.94	12.806		
13,500.00	7,888.97	13,622.19	7,754.99	156.74	159.17	-88.05	-2,349.23	-5,936.82	3,943.65	3,630.44	313.21	12.591		
13,600.00	7,888.97	13,722.19	7,754.99	159.37	161.77	-88.05	-2,348.80	-6,036.82	3,943.65	3,625.17	318.48	12.383		
13,700.00	7,888.97	13,822.19	7,754.99	161.99	164.38	-88.05	-2,348.36	-6,136.82	3,943.66	3,619.90	323.76	12.181		
13,800.00	7,888.97	13,922.19	7,754.99	164.62	166.99	-88.05	-2,347.93	-6,236.82	3,943.66	3,614.62	329.04	11.985		
13,900.00	7,888.97	14,022.19	7,754.99	167.25	169.60	-88.05	-2,347.49	-6,336.81	3,943.66	3,609.35	334.32	11.796		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T4S-R65W - JAMASO 4-65 5-6-12 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program:      0-MWD OWSG													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		
14,000.00	7,888.97	14,122.19	7,754.99	169.88	172.21	-88.05	-2,347.06	-6,436.81	3,943.67	3,604.07	339.60	11.613		
14,100.00	7,888.97	14,222.19	7,754.99	172.52	174.83	-88.05	-2,346.63	-6,536.81	3,943.67	3,598.78	344.89	11.435		
14,200.00	7,888.97	14,322.19	7,754.99	175.15	177.45	-88.05	-2,346.19	-6,636.81	3,943.67	3,593.49	350.18	11.262		
14,300.00	7,888.97	14,422.19	7,754.99	177.79	180.07	-88.05	-2,345.76	-6,736.81	3,943.68	3,588.21	355.47	11.094		
14,400.00	7,888.97	14,522.19	7,754.99	180.43	182.70	-88.05	-2,345.32	-6,836.81	3,943.68	3,582.91	360.77	10.931		
14,500.00	7,888.97	14,622.19	7,754.99	183.07	185.32	-88.05	-2,344.89	-6,936.81	3,943.69	3,577.62	366.07	10.773		
14,600.00	7,888.97	14,722.19	7,754.99	185.71	187.95	-88.05	-2,344.46	-7,036.81	3,943.69	3,572.32	371.37	10.619		
14,700.00	7,888.97	14,822.19	7,754.99	188.35	190.58	-88.05	-2,344.02	-7,136.81	3,943.69	3,567.03	376.67	10.470		
14,800.00	7,888.97	14,922.19	7,754.99	190.99	193.21	-88.05	-2,343.59	-7,236.81	3,943.70	3,561.73	381.97	10.325		
14,900.00	7,888.97	15,022.19	7,754.99	193.64	195.84	-88.05	-2,343.15	-7,336.80	3,943.70	3,556.42	387.28	10.183		
15,000.00	7,888.97	15,122.19	7,754.99	196.29	198.48	-88.05	-2,342.72	-7,436.80	3,943.71	3,551.12	392.59	10.045		
15,100.00	7,888.97	15,222.19	7,754.99	198.93	201.12	-88.05	-2,342.28	-7,536.80	3,943.71	3,545.81	397.90	9.911		
15,200.00	7,888.97	15,322.19	7,754.99	201.58	203.75	-88.05	-2,341.85	-7,636.80	3,943.72	3,540.51	403.21	9.781		
15,300.00	7,888.97	15,422.19	7,754.99	204.23	206.39	-88.05	-2,341.42	-7,736.80	3,943.72	3,535.20	408.53	9.654		
15,400.00	7,888.97	15,522.19	7,754.99	206.88	209.04	-88.05	-2,340.98	-7,836.80	3,943.73	3,529.89	413.84	9.530		
15,500.00	7,888.98	15,622.19	7,754.99	209.54	211.68	-88.05	-2,340.55	-7,936.80	3,943.73	3,524.57	419.16	9.409		
15,600.00	7,888.98	15,722.19	7,754.99	212.19	214.32	-88.05	-2,340.11	-8,036.80	3,943.74	3,519.26	424.48	9.291		
15,700.00	7,888.98	15,822.19	7,754.99	214.84	216.97	-88.05	-2,339.68	-8,136.80	3,943.74	3,513.94	429.80	9.176		
15,800.00	7,888.98	15,922.19	7,754.99	217.50	219.61	-88.05	-2,339.25	-8,236.80	3,943.75	3,508.63	435.12	9.064		
15,900.00	7,888.98	16,022.19	7,754.99	220.15	222.26	-88.05	-2,338.81	-8,336.80	3,943.75	3,503.31	440.44	8.954		
16,000.00	7,888.98	16,122.19	7,754.99	222.81	224.91	-88.05	-2,338.38	-8,436.79	3,943.76	3,497.99	445.77	8.847		
16,100.00	7,888.98	16,222.19	7,754.99	225.47	227.56	-88.05	-2,337.94	-8,536.79	3,943.77	3,492.67	451.09	8.743		
16,200.00	7,888.98	16,322.19	7,754.99	228.13	230.21	-88.05	-2,337.51	-8,636.79	3,943.77	3,487.35	456.42	8.641		
16,300.00	7,888.98	16,422.19	7,754.98	230.78	232.86	-88.05	-2,337.08	-8,736.79	3,943.78	3,482.03	461.75	8.541		
16,400.00	7,888.98	16,522.19	7,754.98	233.44	235.52	-88.05	-2,336.64	-8,836.79	3,943.78	3,476.70	467.08	8.443		
16,500.00	7,888.98	16,622.19	7,754.98	236.10	238.17	-88.05	-2,336.21	-8,936.79	3,943.79	3,471.38	472.41	8.348		
16,600.00	7,888.98	16,722.19	7,754.98	238.77	240.82	-88.05	-2,335.77	-9,036.79	3,943.80	3,466.05	477.74	8.255		
16,700.00	7,888.98	16,822.19	7,754.98	241.43	243.48	-88.05	-2,335.34	-9,136.79	3,943.80	3,460.73	483.08	8.164		
16,800.00	7,888.99	16,922.19	7,754.98	244.09	246.14	-88.05	-2,334.90	-9,236.79	3,943.81	3,455.40	488.41	8.075		
16,900.00	7,888.99	17,022.19	7,754.98	246.75	248.79	-88.05	-2,334.47	-9,336.79	3,943.82	3,450.07	493.75	7.988		
17,000.00	7,888.99	17,122.19	7,754.98	249.41	251.45	-88.05	-2,334.04	-9,436.79	3,943.82	3,444.74	499.08	7.902		
17,100.00	7,888.99	17,222.19	7,754.98	252.08	254.11	-88.05	-2,333.60	-9,536.78	3,943.83	3,439.41	504.42	7.819		
17,200.00	7,888.99	17,322.19	7,754.98	254.74	256.77	-88.05	-2,333.17	-9,636.78	3,943.84	3,434.08	509.76	7.737		
17,300.00	7,888.99	17,422.19	7,754.98	257.41	259.43	-88.05	-2,332.73	-9,736.78	3,943.85	3,428.75	515.09	7.657		
17,400.00	7,888.99	17,522.19	7,754.98	260.07	262.09	-88.05	-2,332.30	-9,836.78	3,943.85	3,423.42	520.43	7.578		
17,500.00	7,888.99	17,622.19	7,754.98	262.74	264.75	-88.05	-2,331.87	-9,936.78	3,943.86	3,418.09	525.77	7.501		
17,600.00	7,888.99	17,722.19	7,754.98	265.41	267.41	-88.05	-2,331.43	-10,036.78	3,943.87	3,412.75	531.12	7.426		
17,700.00	7,889.00	17,822.19	7,754.98	268.07	270.08	-88.05	-2,331.00	-10,136.78	3,943.88	3,407.42	536.46	7.352		
17,800.00	7,889.00	17,922.19	7,754.98	270.74	272.74	-88.05	-2,330.56	-10,236.78	3,943.89	3,402.08	541.80	7.279		
17,900.00	7,889.00	18,022.19	7,754.98	273.41	275.40	-88.05	-2,330.13	-10,336.78	3,943.89	3,396.75	547.14	7.208		
18,000.00	7,889.00	18,122.19	7,754.98	276.08	278.07	-88.05	-2,329.70	-10,436.78	3,943.90	3,391.41	552.49	7.138		
18,088.22	7,889.00	18,210.73	7,755.00	278.43	280.43	-88.05	-2,329.09	-10,525.32	3,943.69	3,386.47	557.21	7.078		
18,089.93	7,889.00	18,210.73	7,755.00	278.48	280.43	-88.05	-2,329.09	-10,525.32	3,943.69	3,386.43	557.26	7.077 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-16.87	16.87					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-16.87	16.87	16.61	0.27	62.766		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-16.87	16.87	15.89	0.99	17.118		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-16.87	16.87	15.17	1.70	9.910		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-16.87	16.87	14.46	2.42	6.974		
500.00	499.98	500.02	499.98	1.57	1.57	-86.63	0.00	-16.87	16.68	13.55	3.14	5.319		
524.99	524.95	524.95	524.95	1.66	1.66	-90.00	0.00	-16.87	16.65	13.34	3.32	5.023 CC		
600.00	599.84	599.84	599.84	1.93	1.93	-104.29	0.00	-16.87	17.19	13.33	3.85	4.460		
700.00	699.45	699.84	699.82	2.30	2.29	-123.83	1.70	-17.22	20.15	15.57	4.58	4.401		
800.00	798.70	800.09	799.92	2.67	2.65	-137.02	6.84	-18.28	24.87	19.56	5.31	4.687		
900.00	897.47	900.58	900.03	3.07	3.01	-145.48	15.43	-20.04	30.54	24.51	6.03	5.061		
1,000.00	995.62	1,001.32	1,000.01	3.49	3.39	-151.00	27.49	-22.51	36.72	29.95	6.77	5.427		
1,100.00	1,093.06	1,102.31	1,099.74	3.94	3.78	-154.72	43.03	-25.69	43.17	35.67	7.50	5.755		
1,123.07	1,115.42	1,125.64	1,122.69	4.05	3.87	-155.40	47.11	-26.53	44.69	37.01	7.67	5.823		
1,200.00	1,189.91	1,202.99	1,198.60	4.42	4.19	-156.98	61.69	-29.51	49.07	40.82	8.25	5.946		
1,300.00	1,286.74	1,302.83	1,296.51	4.92	4.62	-158.51	80.84	-33.43	54.50	45.48	9.02	6.042		
1,400.00	1,383.57	1,402.68	1,394.42	5.42	5.05	-159.76	99.98	-37.36	59.97	50.18	9.79	6.124		
1,500.00	1,480.40	1,502.52	1,492.33	5.93	5.49	-160.80	119.13	-41.28	65.46	54.89	10.57	6.194		
1,600.00	1,577.24	1,602.36	1,590.25	6.45	5.94	-161.68	138.27	-45.20	70.96	59.62	11.34	6.256		
1,700.00	1,674.07	1,702.20	1,688.16	6.97	6.39	-162.44	157.42	-49.12	76.49	64.36	12.12	6.309		
1,800.00	1,770.90	1,802.05	1,786.07	7.49	6.85	-163.09	176.56	-53.04	82.02	69.12	12.90	6.357		
1,900.00	1,867.73	1,901.89	1,883.98	8.02	7.30	-163.66	195.71	-56.97	87.56	73.88	13.68	6.399		
2,000.00	1,964.56	2,001.73	1,981.89	8.54	7.77	-164.16	214.85	-60.89	93.11	78.64	14.47	6.436		
2,100.00	2,061.39	2,101.57	2,079.80	9.07	8.23	-164.60	234.00	-64.81	98.67	83.42	15.25	6.470		
2,200.00	2,158.23	2,201.42	2,177.71	9.61	8.69	-165.00	253.14	-68.73	104.23	88.19	16.03	6.501		
2,300.00	2,255.06	2,301.26	2,275.63	10.14	9.16	-165.36	272.29	-72.65	109.79	92.97	16.82	6.528		
2,400.00	2,351.89	2,401.10	2,373.54	10.67	9.63	-165.68	291.44	-76.58	115.36	97.76	17.60	6.554		
2,500.00	2,448.72	2,500.95	2,471.45	11.21	10.09	-165.98	310.58	-80.50	120.94	102.55	18.39	6.577		
2,600.00	2,545.55	2,600.79	2,569.36	11.74	10.56	-166.24	329.73	-84.42	126.51	107.34	19.17	6.598		
2,700.00	2,642.38	2,700.63	2,667.27	12.28	11.03	-166.49	348.87	-88.34	132.09	112.13	19.96	6.618		
2,800.00	2,739.22	2,800.47	2,765.18	12.82	11.50	-166.71	368.02	-92.26	137.67	116.92	20.75	6.636		
2,900.00	2,836.05	2,900.32	2,863.09	13.35	11.98	-166.92	387.16	-96.19	143.25	121.72	21.53	6.653		
3,000.00	2,932.88	3,000.16	2,961.01	13.89	12.45	-167.11	406.31	-100.11	148.84	126.52	22.32	6.668		
3,100.00	3,029.71	3,100.00	3,058.92	14.43	12.92	-167.29	425.45	-104.03	154.42	131.31	23.11	6.683		
3,200.00	3,126.54	3,199.85	3,156.83	14.97	13.39	-167.45	444.60	-107.95	160.01	136.11	23.89	6.696		
3,300.00	3,223.37	3,300.31	3,254.74	15.51	13.87	-167.61	463.74	-111.87	165.60	140.91	24.68	6.708		
3,400.00	3,320.21	3,399.53	3,352.65	16.05	14.34	-167.75	482.89	-115.80	171.19	145.72	25.47	6.721		
3,500.00	3,417.04	3,500.63	3,450.56	16.59	14.82	-167.89	502.04	-119.72	176.78	150.51	26.26	6.731		
3,600.00	3,513.87	3,600.78	3,548.47	17.13	15.30	-168.01	521.18	-123.64	182.37	155.32	27.05	6.741		
3,700.00	3,610.70	3,699.06	3,646.39	17.67	15.76	-168.13	540.33	-127.56	187.96	160.13	27.83	6.753		
3,800.00	3,707.53	3,801.10	3,744.30	18.21	16.25	-168.25	559.47	-131.48	193.55	164.92	28.63	6.760		
3,900.00	3,804.36	3,898.74	3,842.21	18.75	16.71	-168.35	578.62	-135.41	199.15	169.74	29.41	6.771		
4,000.00	3,901.19	4,001.41	3,940.12	19.29	17.20	-168.45	597.76	-139.33	204.74	174.53	30.21	6.777		
4,100.00	3,998.03	4,101.57	4,038.03	19.83	17.68	-168.55	616.91	-143.25	210.34	179.33	31.00	6.785		
4,200.00	4,094.86	4,201.73	4,135.94	20.37	18.15	-168.64	636.05	-147.17	215.93	184.14	31.79	6.792		
4,300.00	4,191.69	4,298.12	4,233.85	20.91	18.61	-168.72	655.20	-151.09	221.53	188.96	32.57	6.802		
4,400.00	4,288.52	4,402.04	4,331.77	21.45	19.11	-168.80	674.34	-155.02	227.12	193.75	33.37	6.806		
4,500.00	4,385.35	4,502.20	4,429.68	21.99	19.59	-168.88	693.49	-158.94	232.72	198.56	34.16	6.812		
4,600.00	4,482.18	4,602.36	4,527.59	22.54	20.06	-168.96	712.64	-162.86	238.32	203.37	34.95	6.818		
4,700.00	4,579.02	4,697.49	4,625.50	23.08	20.52	-169.03	731.78	-166.78	243.92	208.19	35.72	6.828		
4,800.00	4,675.85	4,797.33	4,723.41	23.62	20.99	-169.09	750.93	-170.70	249.51	213.00	36.51	6.834		
4,900.00	4,772.68	4,902.83	4,821.32	24.16	21.50	-169.16	770.07	-174.63	255.11	217.79	37.32	6.835		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	5,002.98	4,919.23	24.70	21.98	-169.22	789.22	-178.55	260.71	222.60	38.11	6.840		
5,100.00	4,966.34	5,096.86	5,017.15	25.24	22.42	-169.28	808.36	-182.47	266.31	227.43	38.88	6.849		
5,200.00	5,063.17	5,196.70	5,115.06	25.79	22.90	-169.33	827.51	-186.39	271.91	232.24	39.67	6.854		
5,300.00	5,160.01	5,303.46	5,212.97	26.33	23.41	-169.39	846.65	-190.31	277.51	237.02	40.49	6.854		
5,400.00	5,256.84	5,403.61	5,310.88	26.87	23.89	-169.44	865.80	-194.24	283.11	241.83	41.28	6.859		
5,500.00	5,353.67	5,503.77	5,408.79	27.41	24.37	-169.49	884.94	-198.16	288.71	246.64	42.07	6.863		
5,600.00	5,450.50	5,596.07	5,506.70	27.96	24.81	-169.54	904.09	-202.08	294.31	251.48	42.83	6.872		
5,700.00	5,547.33	5,704.09	5,604.61	28.50	25.32	-169.58	923.24	-206.00	299.91	256.26	43.65	6.871		
5,800.00	5,644.16	5,804.24	5,702.53	29.04	25.80	-169.63	942.38	-209.92	305.51	261.07	44.44	6.874		
5,900.00	5,741.00	5,895.60	5,800.44	29.58	26.24	-169.67	961.53	-213.85	311.11	265.91	45.20	6.883		
6,000.00	5,837.83	6,004.56	5,898.35	30.12	26.76	-169.71	980.67	-217.77	316.71	270.69	46.02	6.881		
6,100.00	5,934.66	6,104.71	5,996.26	30.67	27.24	-169.75	999.82	-221.69	322.31	275.50	46.81	6.885		
6,200.00	6,031.49	6,195.13	6,094.17	31.21	27.67	-169.79	1,018.96	-225.61	327.91	280.34	47.57	6.894		
6,300.00	6,128.32	6,305.03	6,192.08	31.75	28.20	-169.83	1,038.11	-229.53	333.51	285.12	48.40	6.891		
6,400.00	6,225.15	6,405.19	6,289.99	32.29	28.67	-169.87	1,057.25	-233.46	339.11	289.93	49.19	6.894		
6,500.00	6,321.99	6,505.34	6,387.91	32.84	29.15	-169.90	1,076.40	-237.38	344.72	294.74	49.98	6.897		
6,600.00	6,418.82	6,605.50	6,485.82	33.38	29.63	-169.93	1,095.54	-241.30	350.32	299.55	50.77	6.900		
6,700.00	6,515.65	6,694.34	6,583.73	33.92	30.06	-169.97	1,114.69	-245.22	355.92	304.40	51.52	6.909		
6,756.73	6,570.58	6,745.64	6,634.10	34.23	30.30	-170.00	1,124.21	-247.17	359.46	307.53	51.93	6.922		
6,800.00	6,612.56	6,784.07	6,671.94	34.46	30.47	-170.04	1,130.76	-248.51	362.49	310.25	52.24	6.940		
6,900.00	6,710.15	6,872.76	6,759.60	34.97	30.86	-170.14	1,144.00	-251.23	369.20	316.31	52.89	6.980		
7,000.00	6,808.44	6,961.31	6,847.48	35.43	31.21	-170.24	1,154.55	-253.39	375.49	322.01	53.48	7.021		
7,100.00	6,907.31	7,049.71	6,935.51	35.85	31.54	-170.35	1,162.43	-255.00	381.37	327.35	54.02	7.060		
7,200.00	7,006.64	7,137.98	7,023.61	36.23	31.84	-170.45	1,167.63	-256.07	386.82	332.33	54.49	7.099		
7,300.00	7,106.32	7,226.12	7,111.71	36.57	32.11	-170.57	1,170.17	-256.59	391.85	336.95	54.90	7.137		
7,400.00	7,206.21	7,320.67	7,206.25	36.87	32.38	-170.60	1,170.45	-257.16	396.00	340.57	55.43	7.144		
7,479.80	7,286.00	7,399.59	7,284.63	37.07	32.60	-178.66	1,170.49	-265.91	397.17	341.10	56.07	7.084		
7,499.99	7,306.18	7,419.06	7,303.72	37.12	32.66	-178.11	1,170.51	-269.72	397.27	341.02	56.25	7.063		
7,509.80	7,316.00	7,428.43	7,312.85	37.15	32.69	-177.81	1,170.52	-271.79	397.33	341.00	56.33	7.053		
7,550.00	7,356.16	7,466.36	7,349.48	37.25	32.81	-86.78	1,170.56	-281.67	397.75	341.07	56.69	7.017		
7,600.00	7,405.83	7,512.82	7,393.30	37.38	32.96	-85.22	1,170.63	-297.03	398.55	341.44	57.11	6.979		
7,650.00	7,454.80	7,558.51	7,435.06	37.51	33.12	-83.72	1,170.71	-315.55	399.60	342.10	57.50	6.950		
7,700.00	7,502.72	7,603.51	7,474.61	37.65	33.27	-82.26	1,170.80	-336.99	400.89	343.03	57.86	6.928		
7,750.00	7,549.22	7,647.87	7,511.84	37.80	33.43	-80.88	1,170.91	-361.10	402.37	344.19	58.18	6.916		
7,800.00	7,593.95	7,691.66	7,546.64	37.95	33.59	-79.57	1,171.03	-387.64	403.99	345.53	58.46	6.910		
7,850.00	7,636.56	7,734.92	7,578.95	38.11	33.76	-78.34	1,171.15	-416.41	405.70	347.00	58.70	6.912		
7,900.00	7,676.73	7,777.72	7,608.67	38.28	33.93	-77.19	1,171.29	-447.18	407.47	348.57	58.90	6.918		
7,950.00	7,714.16	7,820.09	7,635.77	38.45	34.12	-76.14	1,171.43	-479.75	409.24	350.17	59.07	6.929		
8,000.00	7,748.55	7,862.10	7,660.18	38.63	34.31	-75.19	1,171.58	-513.92	410.96	351.75	59.21	6.940		
8,050.00	7,779.66	7,903.78	7,681.86	38.82	34.52	-74.33	1,171.74	-549.51	412.60	353.25	59.36	6.951		
8,100.00	7,807.24	7,945.17	7,700.77	39.03	34.74	-73.58	1,171.90	-586.32	414.12	354.61	59.51	6.958		
8,150.00	7,831.08	7,986.33	7,716.90	39.26	34.99	-72.94	1,172.06	-624.18	415.48	355.78	59.70	6.959		
8,200.00	7,850.99	8,027.29	7,730.20	39.50	35.26	-72.40	1,172.23	-662.90	416.65	356.71	59.94	6.951		
8,250.00	7,866.84	8,068.08	7,740.68	39.78	35.55	-71.97	1,172.41	-702.32	417.62	357.37	60.25	6.932		
8,300.00	7,878.50	8,108.75	7,748.30	40.08	35.87	-71.66	1,172.58	-742.26	418.34	357.71	60.63	6.900		
8,350.00	7,885.88	8,150.00	7,753.12	40.42	36.23	-71.45	1,172.76	-783.22	418.82	357.67	61.15	6.849		
8,400.00	7,888.92	8,189.88	7,754.96	40.79	36.60	-71.36	1,172.94	-823.04	419.04	357.35	61.69	6.793		
8,409.88	7,889.00	8,198.21	7,755.00	40.87	36.68	-71.35	1,172.97	-831.37	419.05	357.22	61.83	6.777		
8,500.00	7,889.00	8,288.33	7,755.00	41.64	37.63	-71.35	1,173.37	-921.50	419.04	354.96	64.09	6.539		
8,600.00	7,889.00	8,388.33	7,755.00	42.65	38.86	-71.35	1,173.81	-1,021.50	419.04	352.18	66.86	6.267		
8,700.00	7,889.00	8,488.33	7,755.00	43.81	40.24	-71.35	1,174.25	-1,121.50	419.03	349.13	69.90	5.995		
8,800.00	7,889.00	8,588.33	7,755.00	45.13	41.78	-71.35	1,174.69	-1,221.49	419.02	345.85	73.17	5.727		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,900.00	7,888.99	8,688.33	7,754.99	46.58	43.44	-71.35	1,175.13	-1,321.49	419.01	342.37	76.65	5.467		
9,000.00	7,888.99	8,788.33	7,754.99	48.17	45.21	-71.35	1,175.57	-1,421.49	419.01	338.71	80.30	5.218		
9,100.00	7,888.99	8,888.33	7,754.99	49.86	47.08	-71.35	1,176.00	-1,521.49	419.00	334.90	84.10	4.982		
9,200.00	7,888.99	8,988.33	7,754.99	51.66	49.04	-71.35	1,176.44	-1,621.49	418.99	330.96	88.04	4.759		
9,300.00	7,888.99	9,088.33	7,754.99	53.55	51.06	-71.35	1,176.88	-1,721.49	418.99	326.90	92.09	4.550		
9,400.00	7,888.99	9,188.33	7,754.99	55.51	53.15	-71.35	1,177.32	-1,821.49	418.98	322.74	96.24	4.353		
9,500.00	7,888.99	9,288.33	7,754.99	57.54	55.30	-71.35	1,177.76	-1,921.49	418.97	318.49	100.49	4.169		
9,600.00	7,888.99	9,388.33	7,754.99	59.63	57.49	-71.35	1,178.20	-2,021.49	418.97	314.16	104.81	3.997		
9,700.00	7,888.99	9,488.33	7,754.98	61.77	59.73	-71.35	1,178.64	-2,121.49	418.96	309.76	109.20	3.837		
9,800.00	7,888.98	9,588.33	7,754.98	63.96	62.01	-71.35	1,179.08	-2,221.48	418.95	305.30	113.65	3.686		
9,900.00	7,888.98	9,688.33	7,754.98	66.19	64.32	-71.35	1,179.52	-2,321.48	418.95	300.79	118.15	3.546		
10,000.00	7,888.98	9,788.33	7,754.98	68.46	66.65	-71.35	1,179.96	-2,421.48	418.94	296.23	122.71	3.414		
10,100.00	7,888.98	9,888.33	7,754.98	70.76	69.02	-71.35	1,180.40	-2,521.48	418.94	291.63	127.30	3.291		
10,200.00	7,888.98	9,988.33	7,754.98	73.08	71.41	-71.35	1,180.84	-2,621.48	418.93	286.99	131.94	3.175		
10,300.00	7,888.98	10,088.33	7,754.98	75.44	73.82	-71.34	1,181.27	-2,721.48	418.92	282.32	136.61	3.067		
10,400.00	7,888.98	10,188.33	7,754.98	77.81	76.25	-71.34	1,181.71	-2,821.48	418.92	277.61	141.31	2.965		
10,500.00	7,888.98	10,288.33	7,754.98	80.21	78.70	-71.34	1,182.15	-2,921.48	418.91	272.88	146.04	2.869		
10,600.00	7,888.98	10,388.33	7,754.97	82.63	81.16	-71.34	1,182.59	-3,021.48	418.91	268.12	150.79	2.778		
10,700.00	7,888.98	10,488.33	7,754.97	85.06	83.64	-71.34	1,183.03	-3,121.48	418.90	263.34	155.57	2.693		
10,800.00	7,888.98	10,588.33	7,754.97	87.51	86.13	-71.34	1,183.47	-3,221.48	418.90	258.53	160.36	2.612		
10,900.00	7,888.98	10,688.33	7,754.97	89.98	88.63	-71.34	1,183.91	-3,321.47	418.89	253.71	165.18	2.536		
11,000.00	7,888.98	10,788.33	7,754.97	92.46	91.14	-71.34	1,184.35	-3,421.47	418.89	248.87	170.01	2.464		
11,100.00	7,888.97	10,888.33	7,754.97	94.95	93.67	-71.34	1,184.79	-3,521.47	418.88	244.02	174.87	2.395		
11,200.00	7,888.97	10,988.33	7,754.97	97.45	96.20	-71.34	1,185.23	-3,621.47	418.88	239.15	179.73	2.331		
11,300.00	7,888.97	11,088.33	7,754.97	99.96	98.74	-71.34	1,185.67	-3,721.47	418.87	234.27	184.61	2.269		
11,400.00	7,888.97	11,188.33	7,754.96	102.48	101.29	-71.34	1,186.11	-3,821.47	418.87	229.37	189.50	2.210		
11,500.00	7,888.97	11,288.33	7,754.96	105.01	103.84	-71.34	1,186.54	-3,921.47	418.87	224.46	194.40	2.155		
11,600.00	7,888.97	11,388.33	7,754.96	107.54	106.41	-71.34	1,186.98	-4,021.47	418.86	219.54	199.32	2.101		
11,700.00	7,888.97	11,488.33	7,754.96	110.09	108.98	-71.34	1,187.42	-4,121.47	418.86	214.62	204.24	2.051		
11,800.00	7,888.97	11,588.33	7,754.96	112.64	111.55	-71.34	1,187.86	-4,221.47	418.85	209.68	209.18	2.002		
11,900.00	7,888.97	11,688.33	7,754.96	115.20	114.13	-71.34	1,188.30	-4,321.46	418.85	204.73	214.12	1.956		
12,000.00	7,888.97	11,788.33	7,754.96	117.76	116.72	-71.34	1,188.74	-4,421.46	418.85	199.78	219.07	1.912		
12,100.00	7,888.97	11,888.33	7,754.96	120.33	119.31	-71.34	1,189.18	-4,521.46	418.84	194.82	224.02	1.870		
12,200.00	7,888.97	11,988.33	7,754.96	122.91	121.90	-71.34	1,189.62	-4,621.46	418.84	189.85	228.99	1.829		
12,300.00	7,888.97	12,088.33	7,754.95	125.49	124.50	-71.34	1,190.06	-4,721.46	418.84	184.88	233.96	1.790		
12,400.00	7,888.97	12,188.33	7,754.95	128.07	127.10	-71.34	1,190.50	-4,821.46	418.83	179.90	238.94	1.753		
12,500.00	7,888.97	12,288.33	7,754.95	130.66	129.71	-71.34	1,190.94	-4,921.46	418.83	174.91	243.92	1.717		
12,600.00	7,888.97	12,388.33	7,754.95	133.26	132.32	-71.34	1,191.38	-5,021.46	418.83	169.92	248.91	1.683		
12,700.00	7,888.97	12,488.33	7,754.95	135.85	134.93	-71.34	1,191.81	-5,121.46	418.83	164.92	253.90	1.650		
12,800.00	7,888.97	12,588.33	7,754.95	138.45	137.54	-71.34	1,192.25	-5,221.46	418.82	159.92	258.90	1.618		
12,900.00	7,888.97	12,688.33	7,754.95	141.06	140.16	-71.34	1,192.69	-5,321.46	418.82	154.92	263.90	1.587		
13,000.00	7,888.97	12,788.33	7,754.95	143.66	142.78	-71.34	1,193.13	-5,421.45	418.82	149.91	268.91	1.557		
13,100.00	7,888.97	12,888.33	7,754.94	146.28	145.41	-71.34	1,193.57	-5,521.45	418.82	144.89	273.92	1.529		
13,200.00	7,888.97	12,988.33	7,754.94	148.89	148.03	-71.34	1,194.01	-5,621.45	418.81	139.88	278.94	1.501		
13,300.00	7,888.97	13,088.33	7,754.94	151.50	150.66	-71.34	1,194.45	-5,721.45	418.81	134.86	283.96	1.475 Level 3		
13,400.00	7,888.97	13,188.33	7,754.94	154.12	153.29	-71.34	1,194.89	-5,821.45	418.81	129.83	288.98	1.449 Level 3		
13,500.00	7,888.97	13,288.33	7,754.94	156.74	155.92	-71.34	1,195.33	-5,921.45	418.81	124.81	294.00	1.425 Level 3		
13,600.00	7,888.97	13,388.33	7,754.94	159.37	158.56	-71.34	1,195.77	-6,021.45	418.81	119.78	299.03	1.401 Level 3		
13,700.00	7,888.97	13,488.33	7,754.94	161.99	161.19	-71.34	1,196.21	-6,121.45	418.81	114.74	304.06	1.377 Level 3		
13,800.00	7,888.97	13,588.33	7,754.94	164.62	163.83	-71.33	1,196.65	-6,221.45	418.80	109.71	309.10	1.355 Level 3		
13,900.00	7,888.97	13,688.33	7,754.93	167.25	166.47	-71.33	1,197.08	-6,321.45	418.80	104.67	314.13	1.333 Level 3		
14,000.00	7,888.97	13,788.33	7,754.93	169.88	169.11	-71.33	1,197.52	-6,421.44	418.80	99.63	319.17	1.312 Level 3		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design      Sec 4-T4S-R65W - JAMASO 4-65 5-6-3 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program:      0-MWD OWSG													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		
14,100.00	7,888.97	13,888.33	7,754.93	172.52	171.75	-71.33	1,197.96	-6,521.44	418.80	94.58	324.22	1.292	Level 3	
14,200.00	7,888.97	13,988.33	7,754.93	175.15	174.40	-71.33	1,198.40	-6,621.44	418.80	89.54	329.26	1.272	Level 3	
14,300.00	7,888.97	14,088.33	7,754.93	177.79	177.04	-71.33	1,198.84	-6,721.44	418.80	84.49	334.31	1.253	Level 3	
14,400.00	7,888.97	14,188.33	7,754.93	180.43	179.69	-71.33	1,199.28	-6,821.44	418.80	79.44	339.36	1.234	Level 2	
14,500.00	7,888.97	14,288.33	7,754.93	183.07	182.34	-71.33	1,199.72	-6,921.44	418.80	74.39	344.41	1.216	Level 2	
14,600.00	7,888.97	14,388.33	7,754.93	185.71	184.99	-71.33	1,200.16	-7,021.44	418.80	69.34	349.46	1.198	Level 2	
14,700.00	7,888.97	14,488.33	7,754.93	188.35	187.64	-71.33	1,200.60	-7,121.44	418.80	64.28	354.51	1.181	Level 2	
14,800.00	7,888.97	14,588.33	7,754.92	190.99	190.29	-71.33	1,201.04	-7,221.44	418.80	59.23	359.57	1.165	Level 2	
14,896.64	7,888.97	14,684.97	7,754.92	193.55	192.85	-71.33	1,201.46	-7,318.08	418.80	54.34	364.46	1.149	Level 2	
14,900.00	7,888.97	14,688.33	7,754.92	193.64	192.94	-71.33	1,201.48	-7,321.44	418.80	54.17	364.63	1.149	Level 2	
15,000.00	7,888.97	14,788.33	7,754.92	196.29	195.60	-71.33	1,201.92	-7,421.43	418.80	49.11	369.69	1.133	Level 2	
15,100.00	7,888.97	14,888.33	7,754.92	198.93	198.25	-71.33	1,202.35	-7,521.43	418.80	44.05	374.75	1.118	Level 2	
15,200.00	7,888.97	14,988.33	7,754.92	201.58	200.91	-71.33	1,202.79	-7,621.43	418.80	38.99	379.81	1.103	Level 2	
15,300.00	7,888.97	15,088.33	7,754.92	204.23	203.56	-71.33	1,203.23	-7,721.43	418.80	33.92	384.87	1.088	Level 2	
15,400.00	7,888.97	15,188.33	7,754.92	206.88	206.22	-71.33	1,203.67	-7,821.43	418.80	28.86	389.94	1.074	Level 2	
15,500.00	7,888.98	15,288.33	7,754.92	209.54	208.88	-71.33	1,204.11	-7,921.43	418.80	23.79	395.01	1.060	Level 2	
15,600.00	7,888.98	15,388.33	7,754.91	212.19	211.54	-71.33	1,204.55	-8,021.43	418.80	18.73	400.07	1.047	Level 2	
15,700.00	7,888.98	15,488.33	7,754.91	214.84	214.20	-71.33	1,204.99	-8,121.43	418.80	13.66	405.14	1.034	Level 2	
15,800.00	7,888.98	15,588.33	7,754.91	217.50	216.86	-71.33	1,205.43	-8,221.43	418.80	8.59	410.21	1.021	Level 2	
15,900.00	7,888.98	15,688.33	7,754.91	220.15	219.52	-71.33	1,205.87	-8,321.43	418.80	3.52	415.28	1.008	Level 2	
16,000.00	7,888.98	15,788.33	7,754.91	222.81	222.18	-71.33	1,206.31	-8,421.43	418.80	-1.55	420.36	0.996	Level 1	
16,100.00	7,888.98	15,888.33	7,754.91	225.47	224.84	-71.33	1,206.75	-8,521.42	418.81	-6.62	425.43	0.984	Level 1	
16,200.00	7,888.98	15,988.33	7,754.91	228.13	227.51	-71.33	1,207.19	-8,621.42	418.81	-11.70	430.51	0.973	Level 1	
16,300.00	7,888.98	16,088.33	7,754.91	230.78	230.17	-71.33	1,207.62	-8,721.42	418.81	-16.77	435.58	0.961	Level 1	
16,400.00	7,888.98	16,188.33	7,754.90	233.44	232.84	-71.33	1,208.06	-8,821.42	418.81	-21.85	440.66	0.950	Level 1	
16,500.00	7,888.98	16,288.33	7,754.90	236.10	235.50	-71.33	1,208.50	-8,921.42	418.81	-26.92	445.74	0.940	Level 1	
16,600.00	7,888.98	16,388.33	7,754.90	238.77	238.17	-71.33	1,208.94	-9,021.42	418.82	-32.00	450.81	0.929	Level 1	
16,700.00	7,888.98	16,488.33	7,754.90	241.43	240.83	-71.33	1,209.38	-9,121.42	418.82	-37.08	455.89	0.919	Level 1	
16,800.00	7,888.99	16,588.33	7,754.90	244.09	243.50	-71.33	1,209.82	-9,221.42	418.82	-42.15	460.97	0.909	Level 1	
16,900.00	7,888.99	16,688.33	7,754.90	246.75	246.17	-71.33	1,210.26	-9,321.42	418.82	-47.23	466.05	0.899	Level 1	
17,000.00	7,888.99	16,788.33	7,754.90	249.41	248.83	-71.33	1,210.70	-9,421.42	418.82	-52.31	471.14	0.889	Level 1	
17,100.00	7,888.99	16,888.33	7,754.90	252.08	251.50	-71.33	1,211.14	-9,521.41	418.83	-57.39	476.22	0.879	Level 1	
17,200.00	7,888.99	16,988.33	7,754.90	254.74	254.17	-71.33	1,211.58	-9,621.41	418.83	-62.47	481.30	0.870	Level 1	
17,300.00	7,888.99	17,088.33	7,754.89	257.41	256.84	-71.33	1,212.02	-9,721.41	418.83	-67.55	486.38	0.861	Level 1	
17,400.00	7,888.99	17,188.33	7,754.89	260.07	259.51	-71.33	1,212.46	-9,821.41	418.84	-72.63	491.47	0.852	Level 1	
17,500.00	7,888.99	17,288.33	7,754.89	262.74	262.18	-71.33	1,212.89	-9,921.41	418.84	-77.72	496.55	0.843	Level 1	
17,600.00	7,888.99	17,388.33	7,754.89	265.41	264.85	-71.33	1,213.33	-10,021.41	418.84	-82.80	501.64	0.835	Level 1	
17,700.00	7,889.00	17,488.33	7,754.89	268.07	267.52	-71.33	1,213.77	-10,121.41	418.85	-87.88	506.73	0.827	Level 1	
17,800.00	7,889.00	17,588.33	7,754.89	270.74	270.19	-71.33	1,214.21	-10,221.41	418.85	-92.96	511.81	0.818	Level 1	
17,900.00	7,889.00	17,688.33	7,754.89	273.41	272.86	-71.33	1,214.65	-10,321.41	418.85	-98.05	516.90	0.810	Level 1	
18,000.00	7,889.00	17,788.33	7,754.89	276.08	275.54	-71.33	1,215.09	-10,421.41	418.86	-103.13	521.99	0.802	Level 1	
18,089.93	7,889.00	17,877.20	7,755.00	278.48	277.91	-71.35	1,215.24	-10,510.27	419.06	-107.48	526.54	0.796	Level 1, ES, SF	

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-36.56	36.56					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-36.56	36.56	36.29	0.27	135.993		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-36.56	36.56	35.58	0.99	37.089		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-36.56	36.56	34.86	1.70	21.473		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-36.56	36.56	34.14	2.42	15.110		
500.00	499.98	500.02	499.98	1.57	1.57	-83.42	0.00	-36.56	36.32	33.19	3.14	11.582		
584.00	583.88	583.88	583.88	1.87	1.87	-90.00	0.00	-36.56	36.08	32.34	3.74	9.651 CC		
600.00	599.84	600.16	599.84	1.93	1.93	-91.70	0.00	-36.56	36.10	32.24	3.85	9.365 ES		
700.00	699.45	700.55	699.45	2.30	2.29	-105.10	0.00	-36.56	37.39	32.80	4.58	8.161		
800.00	798.70	798.70	798.70	2.67	2.64	-121.09	0.00	-36.56	42.25	36.94	5.31	7.956		
900.00	897.47	898.57	898.55	3.07	3.00	-134.44	1.63	-37.02	51.07	45.02	6.05	8.445		
1,000.00	995.62	998.94	998.78	3.49	3.36	-143.27	6.64	-38.44	62.07	55.28	6.78	9.148		
1,100.00	1,093.06	1,099.79	1,099.24	3.94	3.72	-149.09	15.08	-40.83	74.29	66.77	7.53	9.872		
1,123.07	1,115.42	1,123.13	1,122.44	4.05	3.81	-150.13	17.51	-41.52	77.22	69.52	7.70	10.031		
1,200.00	1,189.91	1,200.57	1,199.28	4.42	4.09	-152.80	26.78	-44.15	86.42	78.14	8.27	10.447		
1,300.00	1,286.74	1,300.20	1,297.68	4.92	4.47	-155.30	39.19	-47.66	98.09	89.07	9.03	10.869		
1,400.00	1,383.57	1,400.96	1,396.07	5.42	4.86	-157.27	51.61	-51.18	109.91	100.13	9.79	11.232		
1,500.00	1,480.40	1,498.28	1,494.46	5.93	5.23	-158.85	64.02	-54.70	121.83	111.30	10.53	11.565		
1,600.00	1,577.24	1,597.51	1,592.85	6.45	5.62	-160.16	76.43	-58.21	133.83	122.54	11.29	11.851		
1,700.00	1,674.07	1,696.75	1,691.25	6.97	6.02	-161.25	88.85	-61.73	145.89	133.84	12.05	12.105		
1,800.00	1,770.90	1,804.02	1,789.64	7.49	6.44	-162.17	101.26	-65.24	157.99	145.15	12.84	12.302		
1,900.00	1,867.73	1,904.78	1,888.03	8.02	6.85	-162.96	113.68	-68.76	170.13	156.52	13.61	12.501		
2,000.00	1,964.56	2,005.55	1,986.43	8.54	7.25	-163.64	126.09	-72.28	182.29	167.91	14.38	12.679		
2,100.00	2,061.39	2,106.31	2,084.82	9.07	7.66	-164.24	138.50	-75.79	194.47	179.33	15.15	12.840		
2,200.00	2,158.23	2,207.08	2,183.21	9.61	8.06	-164.77	150.92	-79.31	206.68	190.76	15.91	12.986		
2,300.00	2,255.06	2,307.84	2,281.61	10.14	8.47	-165.24	163.33	-82.83	218.90	202.21	16.68	13.120		
2,400.00	2,351.89	2,408.60	2,380.00	10.67	8.88	-165.66	175.75	-86.34	231.13	213.67	17.45	13.241		
2,500.00	2,448.72	2,509.37	2,478.39	11.21	9.29	-166.04	188.16	-89.86	243.37	225.15	18.23	13.353		
2,600.00	2,545.55	2,589.87	2,576.79	11.74	9.62	-166.38	200.57	-93.37	255.62	236.70	18.92	13.510		
2,700.00	2,642.38	2,689.10	2,675.18	12.28	10.02	-166.69	212.99	-96.89	267.88	248.20	19.69	13.608		
2,800.00	2,739.22	2,788.34	2,773.57	12.82	10.43	-166.97	225.40	-100.41	280.15	259.70	20.45	13.698		
2,900.00	2,836.05	2,887.57	2,871.97	13.35	10.84	-167.23	237.82	-103.92	292.43	271.21	21.22	13.781		
3,000.00	2,932.88	2,986.81	2,970.36	13.89	11.24	-167.47	250.23	-107.44	304.70	282.72	21.99	13.860		
3,100.00	3,029.71	3,086.04	3,068.75	14.43	11.65	-167.69	262.64	-110.96	316.99	294.24	22.75	13.932		
3,200.00	3,126.54	3,185.28	3,167.15	14.97	12.06	-167.89	275.06	-114.47	329.28	305.76	23.52	14.000		
3,300.00	3,223.37	3,284.52	3,265.54	15.51	12.46	-168.08	287.47	-117.99	341.57	317.28	24.29	14.064		
3,400.00	3,320.21	3,383.75	3,363.93	16.05	12.87	-168.26	299.89	-121.50	353.86	328.81	25.05	14.124		
3,500.00	3,417.04	3,482.99	3,462.33	16.59	13.28	-168.42	312.30	-125.02	366.16	340.34	25.82	14.181		
3,600.00	3,513.87	3,582.22	3,560.72	17.13	13.69	-168.58	324.71	-128.54	378.46	351.88	26.59	14.234		
3,700.00	3,610.70	3,681.46	3,659.11	17.67	14.09	-168.72	337.13	-132.05	390.77	363.41	27.36	14.284		
3,800.00	3,707.53	3,780.69	3,757.51	18.21	14.50	-168.86	349.54	-135.57	403.07	374.95	28.12	14.332		
3,900.00	3,804.36	3,879.93	3,855.90	18.75	14.91	-168.98	361.95	-139.09	415.38	386.49	28.89	14.377		
4,000.00	3,901.19	3,979.17	3,954.29	19.29	15.32	-169.10	374.37	-142.60	427.69	398.03	29.66	14.419		
4,100.00	3,998.03	4,078.40	4,052.69	19.83	15.73	-169.22	386.78	-146.12	440.00	409.57	30.43	14.460		
4,200.00	4,094.86	4,177.64	4,151.08	20.37	16.14	-169.32	399.20	-149.63	452.32	421.12	31.20	14.498		
4,300.00	4,191.69	4,276.87	4,249.47	20.91	16.55	-169.42	411.61	-153.15	464.63	432.67	31.97	14.535		
4,400.00	4,288.52	4,376.11	4,347.87	21.45	16.96	-169.52	424.02	-156.67	476.95	444.21	32.74	14.570		
4,500.00	4,385.35	4,475.34	4,446.26	21.99	17.37	-169.61	436.44	-160.18	489.27	455.76	33.50	14.603		
4,600.00	4,482.18	4,574.58	4,544.65	22.54	17.78	-169.70	448.85	-163.70	501.58	467.31	34.27	14.635		
4,700.00	4,579.02	4,673.81	4,643.05	23.08	18.19	-169.78	461.27	-167.22	513.90	478.86	35.04	14.666		
4,800.00	4,675.85	4,773.05	4,741.44	23.62	18.60	-169.86	473.68	-170.73	526.22	490.41	35.81	14.695		
4,900.00	4,772.68	4,872.29	4,839.83	24.16	19.00	-169.93	486.09	-174.25	538.55	501.97	36.58	14.723		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,971.52	4,938.23	24.70	19.41	-170.00	498.51	-177.76	550.87	513.52	37.35	14.749		
5,100.00	4,966.34	5,070.76	5,036.62	25.24	19.82	-170.07	510.92	-181.28	563.19	525.07	38.12	14.775		
5,200.00	5,063.17	5,169.99	5,135.01	25.79	20.23	-170.14	523.34	-184.80	575.52	536.63	38.89	14.800		
5,300.00	5,160.01	5,269.23	5,233.41	26.33	20.64	-170.20	535.75	-188.31	587.84	548.18	39.66	14.823		
5,400.00	5,256.84	5,368.46	5,331.80	26.87	21.05	-170.26	548.16	-191.83	600.17	559.74	40.43	14.846		
5,500.00	5,353.67	5,467.70	5,430.19	27.41	21.46	-170.32	560.58	-195.35	612.49	571.30	41.20	14.868		
5,600.00	5,450.50	5,566.93	5,528.58	27.96	21.87	-170.37	572.99	-198.86	624.82	582.85	41.96	14.889		
5,700.00	5,547.33	5,666.17	5,626.98	28.50	22.29	-170.43	585.40	-202.38	637.15	594.41	42.73	14.910		
5,800.00	5,644.16	5,765.41	5,725.37	29.04	22.70	-170.48	597.82	-205.89	649.47	605.97	43.50	14.929		
5,900.00	5,741.00	5,864.64	5,823.76	29.58	23.11	-170.53	610.23	-209.41	661.80	617.53	44.27	14.948		
6,000.00	5,837.83	5,963.88	5,922.16	30.12	23.52	-170.58	622.65	-212.93	674.13	629.09	45.04	14.966		
6,100.00	5,934.66	6,063.11	6,020.55	30.67	23.93	-170.62	635.06	-216.44	686.46	640.65	45.81	14.984		
6,200.00	6,031.49	6,162.35	6,118.94	31.21	24.34	-170.67	647.47	-219.96	698.79	652.21	46.58	15.001		
6,300.00	6,128.32	6,261.58	6,217.34	31.75	24.75	-170.71	659.89	-223.48	711.12	663.77	47.35	15.018		
6,400.00	6,225.15	6,360.82	6,315.73	32.29	25.16	-170.75	672.30	-226.99	723.45	675.33	48.12	15.034		
6,500.00	6,321.99	6,460.05	6,414.12	32.84	25.57	-170.79	684.72	-230.51	735.78	686.89	48.89	15.049		
6,600.00	6,418.82	6,559.29	6,512.52	33.38	25.98	-170.83	697.13	-234.02	748.11	698.45	49.66	15.064		
6,700.00	6,515.65	6,658.53	6,610.91	33.92	26.39	-170.87	709.54	-237.54	760.44	710.01	50.43	15.079		
6,756.73	6,570.58	6,714.83	6,666.73	34.23	26.62	-170.89	716.59	-239.53	767.44	716.57	50.87	15.087		
6,800.00	6,612.56	6,757.80	6,709.34	34.46	26.80	-170.92	721.96	-241.06	772.45	721.25	51.20	15.087		
6,900.00	6,710.15	6,857.38	6,808.07	34.97	27.21	-170.94	734.42	-244.59	781.59	729.62	51.97	15.040		
7,000.00	6,808.44	6,957.21	6,907.06	35.43	27.63	-170.92	746.91	-248.12	787.29	734.56	52.72	14.932		
7,100.00	6,907.31	7,047.51	6,996.63	35.85	28.00	-170.86	757.98	-251.26	789.82	736.41	53.41	14.788		
7,200.00	7,006.64	7,126.51	7,075.19	36.23	28.31	-170.80	765.87	-253.49	791.19	737.20	53.99	14.656		
7,300.00	7,106.32	7,205.49	7,153.95	36.57	28.60	-170.76	771.66	-255.13	791.76	737.24	54.51	14.524		
7,400.00	7,206.21	7,284.48	7,232.84	36.87	28.88	-170.73	775.37	-256.18	791.54	736.55	54.99	14.394		
7,479.80	7,286.00	7,347.53	7,295.86	37.07	29.09	180.00	776.82	-256.60	790.79	735.46	55.33	14.291		
7,499.99	7,306.18	7,363.47	7,311.81	37.12	29.14	-180.00	776.97	-256.64	790.60	735.18	55.42	14.266		
7,509.80	7,316.00	7,371.23	7,319.57	37.15	29.17	-180.00	777.02	-256.65	790.54	735.08	55.46	14.255		
7,525.27	7,331.47	7,386.20	7,331.47	37.19	29.22	-90.26	777.05	-256.66	790.50	734.98	55.52	14.237		
7,550.00	7,356.16	7,407.83	7,356.16	37.25	29.29	-90.35	777.05	-256.66	790.51	734.84	55.67	14.200		
7,600.00	7,405.83	7,458.21	7,406.50	37.38	29.45	-90.64	777.06	-258.31	790.54	734.55	55.99	14.119		
7,650.00	7,454.80	7,509.01	7,456.92	37.51	29.61	-90.93	777.08	-264.41	790.60	734.26	56.34	14.032		
7,700.00	7,502.72	7,560.19	7,506.96	37.65	29.79	-91.22	777.13	-275.04	790.67	733.95	56.72	13.940		
7,750.00	7,549.22	7,611.73	7,556.20	37.80	29.97	-91.49	777.20	-290.22	790.76	733.64	57.12	13.843		
7,800.00	7,593.95	7,663.64	7,604.21	37.95	30.16	-91.76	777.28	-309.90	790.86	733.30	57.56	13.739		
7,850.00	7,636.56	7,715.90	7,650.55	38.11	30.36	-92.01	777.39	-334.03	790.98	732.94	58.04	13.629		
7,900.00	7,676.73	7,768.50	7,694.77	38.28	30.57	-92.25	777.51	-362.48	791.10	732.55	58.55	13.511		
7,950.00	7,714.16	7,821.43	7,736.45	38.45	30.79	-92.47	777.66	-395.08	791.22	732.10	59.12	13.384		
8,000.00	7,748.55	7,874.66	7,775.16	38.63	31.02	-92.67	777.82	-431.59	791.34	731.60	59.74	13.246		
8,050.00	7,779.66	7,928.17	7,810.48	38.82	31.28	-92.85	777.99	-471.76	791.46	731.02	60.44	13.095		
8,100.00	7,807.24	7,981.93	7,842.04	39.03	31.57	-93.01	778.18	-515.26	791.57	730.35	61.22	12.929		
8,150.00	7,831.08	8,035.91	7,869.49	39.26	31.90	-93.14	778.38	-561.71	791.67	729.57	62.10	12.749		
8,200.00	7,850.99	8,090.07	7,892.52	39.50	32.27	-93.25	778.60	-610.71	791.74	728.68	63.07	12.554		
8,250.00	7,866.84	8,144.37	7,910.86	39.78	32.70	-93.33	778.82	-661.79	791.80	727.66	64.14	12.345		
8,300.00	7,878.50	8,198.77	7,924.31	40.08	33.19	-93.38	779.05	-714.49	791.84	726.53	65.31	12.124		
8,350.00	7,885.88	8,253.24	7,932.70	40.42	33.73	-93.41	779.29	-768.28	791.86	725.29	66.57	11.896		
8,400.00	7,888.92	8,307.71	7,935.96	40.79	34.33	-93.41	779.53	-822.64	791.85	723.95	67.90	11.662		
8,409.88	7,889.00	8,318.17	7,936.00	40.87	34.45	-93.40	779.57	-833.09	791.85	723.68	68.17	11.616		
8,500.00	7,889.00	8,408.29	7,936.00	41.64	35.56	-93.40	779.97	-923.21	791.85	721.29	70.55	11.223		
8,600.00	7,889.00	8,508.29	7,936.00	42.65	36.94	-93.40	780.40	-1,023.21	791.84	718.35	73.49	10.775		
8,700.00	7,889.00	8,608.29	7,936.00	43.81	38.47	-93.40	780.84	-1,123.21	791.83	715.15	76.68	10.326		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,800.00	7,889.00	8,708.29	7,936.00	45.13	40.14	-93.40	781.28	-1,223.21	791.83	711.72	80.11	9.884		
8,900.00	7,888.99	8,808.29	7,936.00	46.58	41.91	-93.40	781.72	-1,323.21	791.82	708.08	83.74	9.455		
9,000.00	7,888.99	8,908.29	7,936.00	48.17	43.78	-93.40	782.15	-1,423.21	791.82	704.26	87.56	9.044		
9,100.00	7,888.99	9,008.29	7,936.00	49.86	45.73	-93.40	782.59	-1,523.21	791.81	700.29	91.52	8.651		
9,200.00	7,888.99	9,108.29	7,936.00	51.66	47.75	-93.40	783.03	-1,623.21	791.80	696.18	95.62	8.280		
9,300.00	7,888.99	9,208.29	7,936.00	53.55	49.85	-93.40	783.47	-1,723.21	791.80	691.94	99.86	7.929		
9,400.00	7,888.99	9,308.29	7,936.00	55.51	52.00	-93.40	783.90	-1,823.20	791.79	687.61	104.19	7.600		
9,500.00	7,888.99	9,408.29	7,935.99	57.54	54.20	-93.40	784.34	-1,923.20	791.79	683.18	108.61	7.290		
9,600.00	7,888.99	9,508.29	7,935.99	59.63	56.44	-93.40	784.78	-2,023.20	791.78	678.66	113.12	7.000		
9,700.00	7,888.99	9,608.29	7,935.99	61.77	58.71	-93.40	785.21	-2,123.20	791.78	674.08	117.70	6.727		
9,800.00	7,888.98	9,708.29	7,935.99	63.96	61.03	-93.40	785.65	-2,223.20	791.77	669.43	122.34	6.472		
9,900.00	7,888.98	9,808.29	7,935.99	66.19	63.37	-93.40	786.09	-2,323.20	791.77	664.73	127.04	6.232		
10,000.00	7,888.98	9,908.29	7,935.99	68.46	65.74	-93.40	786.53	-2,423.20	791.76	659.97	131.79	6.008		
10,100.00	7,888.98	10,008.29	7,935.99	70.76	68.14	-93.40	786.96	-2,523.20	791.76	655.17	136.59	5.796		
10,200.00	7,888.98	10,108.29	7,935.99	73.08	70.55	-93.40	787.40	-2,623.20	791.75	650.32	141.43	5.598		
10,300.00	7,888.98	10,208.29	7,935.99	75.44	72.99	-93.40	787.84	-2,723.20	791.75	645.44	146.31	5.412		
10,400.00	7,888.98	10,308.29	7,935.99	77.81	75.44	-93.40	788.28	-2,823.19	791.75	640.53	151.22	5.236		
10,500.00	7,888.98	10,408.29	7,935.99	80.21	77.91	-93.40	788.71	-2,923.19	791.74	635.58	156.16	5.070		
10,600.00	7,888.98	10,508.29	7,935.99	82.63	80.39	-93.40	789.15	-3,023.19	791.74	630.61	161.13	4.914		
10,700.00	7,888.98	10,608.29	7,935.99	85.06	82.89	-93.40	789.59	-3,123.19	791.73	625.61	166.12	4.766		
10,800.00	7,888.98	10,708.29	7,935.99	87.51	85.40	-93.40	790.03	-3,223.19	791.73	620.59	171.14	4.626		
10,900.00	7,888.98	10,808.29	7,935.99	89.98	87.91	-93.40	790.46	-3,323.19	791.73	615.55	176.17	4.494		
11,000.00	7,888.98	10,908.29	7,935.99	92.46	90.44	-93.40	790.90	-3,423.19	791.72	610.49	181.23	4.369		
11,100.00	7,888.97	11,008.29	7,935.99	94.95	92.98	-93.40	791.34	-3,523.19	791.72	605.42	186.30	4.250		
11,200.00	7,888.97	11,108.29	7,935.99	97.45	95.53	-93.40	791.78	-3,623.19	791.72	600.32	191.39	4.137		
11,300.00	7,888.97	11,208.29	7,935.99	99.96	98.08	-93.40	792.21	-3,723.19	791.71	595.22	196.50	4.029		
11,400.00	7,888.97	11,308.29	7,935.99	102.48	100.64	-93.40	792.65	-3,823.19	791.71	590.09	201.62	3.927		
11,500.00	7,888.97	11,408.29	7,935.99	105.01	103.21	-93.40	793.09	-3,923.18	791.71	584.96	206.75	3.829		
11,600.00	7,888.97	11,508.29	7,935.98	107.54	105.78	-93.40	793.53	-4,023.18	791.71	579.81	211.89	3.736		
11,700.00	7,888.97	11,608.29	7,935.98	110.09	108.36	-93.40	793.96	-4,123.18	791.70	574.66	217.05	3.648		
11,800.00	7,888.97	11,708.29	7,935.98	112.64	110.95	-93.40	794.40	-4,223.18	791.70	569.49	222.21	3.563		
11,900.00	7,888.97	11,808.29	7,935.98	115.20	113.53	-93.40	794.84	-4,323.18	791.70	564.31	227.39	3.482		
12,000.00	7,888.97	11,908.29	7,935.98	117.76	116.13	-93.40	795.28	-4,423.18	791.70	559.13	232.57	3.404		
12,100.00	7,888.97	12,008.29	7,935.98	120.33	118.73	-93.40	795.71	-4,523.18	791.69	553.93	237.76	3.330		
12,200.00	7,888.97	12,108.29	7,935.98	122.91	121.33	-93.40	796.15	-4,623.18	791.69	548.73	242.96	3.259		
12,300.00	7,888.97	12,208.29	7,935.98	125.49	123.93	-93.40	796.59	-4,723.18	791.69	543.52	248.17	3.190		
12,400.00	7,888.97	12,308.29	7,935.98	128.07	126.54	-93.40	797.03	-4,823.18	791.69	538.31	253.38	3.124		
12,500.00	7,888.97	12,408.29	7,935.98	130.66	129.16	-93.40	797.46	-4,923.17	791.69	533.08	258.60	3.061		
12,600.00	7,888.97	12,508.29	7,935.98	133.26	131.77	-93.40	797.90	-5,023.17	791.68	527.86	263.83	3.001		
12,700.00	7,888.97	12,608.29	7,935.98	135.85	134.39	-93.40	798.34	-5,123.17	791.68	522.62	269.06	2.942		
12,800.00	7,888.97	12,708.29	7,935.98	138.45	137.01	-93.40	798.77	-5,223.17	791.68	517.38	274.30	2.886		
12,900.00	7,888.97	12,808.29	7,935.98	141.06	139.64	-93.40	799.21	-5,323.17	791.68	512.14	279.54	2.832		
13,000.00	7,888.97	12,908.29	7,935.98	143.66	142.26	-93.40	799.65	-5,423.17	791.68	506.89	284.79	2.780		
13,100.00	7,888.97	13,008.29	7,935.98	146.28	144.89	-93.40	800.09	-5,523.17	791.68	501.64	290.04	2.730		
13,200.00	7,888.97	13,108.29	7,935.98	148.89	147.52	-93.40	800.52	-5,623.17	791.68	496.38	295.30	2.681		
13,300.00	7,888.97	13,208.29	7,935.98	151.50	150.16	-93.40	800.96	-5,723.17	791.68	491.12	300.56	2.634		
13,400.00	7,888.97	13,308.29	7,935.98	154.12	152.79	-93.40	801.40	-5,823.17	791.68	485.86	305.82	2.589		
13,500.00	7,888.97	13,408.29	7,935.98	156.74	155.43	-93.40	801.84	-5,923.17	791.67	480.59	311.09	2.545		
13,600.00	7,888.97	13,508.29	7,935.97	159.37	158.07	-93.40	802.27	-6,023.16	791.67	475.32	316.36	2.502		
13,700.00	7,888.97	13,608.29	7,935.97	161.99	160.71	-93.40	802.71	-6,123.16	791.67	470.04	321.63	2.461		
13,800.00	7,888.97	13,708.29	7,935.97	164.62	163.35	-93.40	803.15	-6,223.16	791.67	464.76	326.91	2.422		
13,900.00	7,888.97	13,808.29	7,935.97	167.25	166.00	-93.40	803.59	-6,323.16	791.67	459.48	332.19	2.383		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
13,953.23	7,888.97	13,861.52	7,935.97	168.65	167.40	-93.40	803.82	-6,376.39	791.67	456.67	335.00	2.363		
14,000.00	7,888.97	13,908.29	7,935.97	169.88	168.64	-93.40	804.02	-6,423.16	791.67	454.20	337.48	2.346		
14,100.00	7,888.97	14,008.29	7,935.97	172.52	171.29	-93.40	804.46	-6,523.16	791.67	448.91	342.76	2.310		
14,200.00	7,888.97	14,108.29	7,935.97	175.15	173.94	-93.40	804.90	-6,623.16	791.67	443.62	348.05	2.275		
14,300.00	7,888.97	14,208.29	7,935.97	177.79	176.58	-93.40	805.34	-6,723.16	791.67	438.33	353.34	2.241		
14,400.00	7,888.97	14,308.29	7,935.97	180.43	179.24	-93.40	805.77	-6,823.16	791.68	433.04	358.64	2.207		
14,500.00	7,888.97	14,408.29	7,935.97	183.07	181.89	-93.40	806.21	-6,923.16	791.68	427.74	363.93	2.175		
14,600.00	7,888.97	14,508.29	7,935.97	185.71	184.54	-93.40	806.65	-7,023.15	791.68	422.45	369.23	2.144		
14,700.00	7,888.97	14,608.29	7,935.97	188.35	187.19	-93.40	807.09	-7,123.15	791.68	417.15	374.53	2.114		
14,800.00	7,888.97	14,708.29	7,935.97	190.99	189.85	-93.40	807.52	-7,223.15	791.68	411.85	379.83	2.084		
14,900.00	7,888.97	14,808.29	7,935.97	193.64	192.50	-93.40	807.96	-7,323.15	791.68	406.54	385.14	2.056		
15,000.00	7,888.97	14,908.29	7,935.97	196.29	195.16	-93.40	808.40	-7,423.15	791.68	401.24	390.44	2.028		
15,100.00	7,888.97	15,008.29	7,935.97	198.93	197.82	-93.40	808.84	-7,523.15	791.68	395.93	395.75	2.000		
15,200.00	7,888.97	15,108.29	7,935.97	201.58	200.48	-93.40	809.27	-7,623.15	791.68	390.62	401.06	1.974		
15,300.00	7,888.97	15,208.29	7,935.97	204.23	203.14	-93.40	809.71	-7,723.15	791.69	385.31	406.37	1.948		
15,400.00	7,888.97	15,308.29	7,935.97	206.88	205.80	-93.40	810.15	-7,823.15	791.69	380.00	411.68	1.923		
15,500.00	7,888.98	15,408.29	7,935.97	209.54	208.46	-93.40	810.58	-7,923.15	791.69	374.69	417.00	1.899		
15,600.00	7,888.98	15,508.29	7,935.97	212.19	211.12	-93.40	811.02	-8,023.15	791.69	369.38	422.31	1.875		
15,700.00	7,888.98	15,608.29	7,935.96	214.84	213.78	-93.40	811.46	-8,123.14	791.69	364.06	427.63	1.851		
15,800.00	7,888.98	15,708.29	7,935.96	217.50	216.44	-93.40	811.90	-8,223.14	791.70	358.74	432.95	1.829		
15,900.00	7,888.98	15,808.29	7,935.96	220.15	219.11	-93.40	812.33	-8,323.14	791.70	353.43	438.27	1.806		
16,000.00	7,888.98	15,908.29	7,935.96	222.81	221.77	-93.40	812.77	-8,423.14	791.70	348.11	443.59	1.785		
16,100.00	7,888.98	16,008.29	7,935.96	225.47	224.44	-93.40	813.21	-8,523.14	791.70	342.79	448.91	1.764		
16,200.00	7,888.98	16,108.29	7,935.96	228.13	227.10	-93.40	813.65	-8,623.14	791.70	337.47	454.24	1.743		
16,300.00	7,888.98	16,208.29	7,935.96	230.78	229.77	-93.40	814.08	-8,723.14	791.71	332.15	459.56	1.723		
16,400.00	7,888.98	16,308.29	7,935.96	233.44	232.43	-93.40	814.52	-8,823.14	791.71	326.82	464.89	1.703		
16,500.00	7,888.98	16,408.29	7,935.96	236.10	235.10	-93.40	814.96	-8,923.14	791.71	321.50	470.21	1.684		
16,600.00	7,888.98	16,508.29	7,935.96	238.77	237.77	-93.40	815.40	-9,023.14	791.72	316.18	475.54	1.665		
16,700.00	7,888.98	16,608.29	7,935.96	241.43	240.44	-93.40	815.83	-9,123.13	791.72	310.85	480.87	1.646		
16,800.00	7,888.99	16,708.29	7,935.96	244.09	243.10	-93.40	816.27	-9,223.13	791.72	305.52	486.20	1.628		
16,900.00	7,888.99	16,808.29	7,935.96	246.75	245.77	-93.40	816.71	-9,323.13	791.73	300.20	491.53	1.611		
17,000.00	7,888.99	16,908.29	7,935.96	249.41	248.44	-93.40	817.15	-9,423.13	791.73	294.87	496.86	1.593		
17,100.00	7,888.99	17,008.29	7,935.96	252.08	251.11	-93.40	817.58	-9,523.13	791.73	289.54	502.19	1.577		
17,200.00	7,888.99	17,108.29	7,935.96	254.74	253.78	-93.40	818.02	-9,623.13	791.74	284.21	507.53	1.560		
17,300.00	7,888.99	17,208.29	7,935.96	257.41	256.45	-93.40	818.46	-9,723.13	791.74	278.88	512.86	1.544		
17,400.00	7,888.99	17,308.29	7,935.96	260.07	259.12	-93.40	818.90	-9,823.13	791.75	273.55	518.19	1.528		
17,500.00	7,888.99	17,408.29	7,935.96	262.74	261.80	-93.40	819.33	-9,923.13	791.75	268.22	523.53	1.512		
17,600.00	7,888.99	17,508.29	7,935.96	265.41	264.47	-93.40	819.77	-10,023.13	791.75	262.89	528.87	1.497 Level 3		
17,700.00	7,889.00	17,608.29	7,935.95	268.07	267.14	-93.40	820.21	-10,123.13	791.76	257.56	534.20	1.482 Level 3		
17,800.00	7,889.00	17,708.29	7,935.95	270.74	269.81	-93.40	820.65	-10,223.12	791.76	252.22	539.54	1.467 Level 3		
17,900.00	7,889.00	17,808.29	7,935.95	273.41	272.49	-93.40	821.08	-10,323.12	791.77	246.89	544.88	1.453 Level 3		
18,000.00	7,889.00	17,908.29	7,935.95	276.08	275.16	-93.40	821.52	-10,423.12	791.77	241.55	550.22	1.439 Level 3		
18,089.93	7,889.00	17,997.52	7,936.00	278.48	277.54	-93.40	821.83	-10,512.35	791.86	236.88	554.98	1.427 Level 3, SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-53.44	53.44					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-53.44	53.44	53.17	0.27	198.760		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-53.44	53.44	52.45	0.99	54.207		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-53.44	53.44	51.73	1.70	31.383		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-53.44	53.44	51.02	2.42	22.084		
500.00	499.98	500.02	499.98	1.57	1.57	-82.56	0.00	-53.44	53.18	50.05	3.14	16.958		
600.00	599.84	600.16	599.84	1.93	1.93	-88.21	0.00	-53.44	52.76	48.91	3.85	13.688		
622.47	622.24	622.24	622.24	2.01	2.01	-90.00	0.00	-53.44	52.74	48.72	4.02	13.132 CC		
700.00	699.45	700.55	699.45	2.30	2.29	-97.58	0.00	-53.44	53.21	48.62	4.58	11.615 ES		
800.00	798.70	801.30	798.70	2.67	2.65	-109.87	0.00	-53.44	56.14	50.82	5.32	10.551		
900.00	897.47	902.53	897.47	3.07	3.01	-123.09	0.00	-53.44	63.23	57.16	6.07	10.414		
1,000.00	995.62	995.62	995.62	3.49	3.34	-135.03	0.00	-53.44	75.46	68.66	6.79	11.106		
1,100.00	1,093.06	1,094.85	1,094.84	3.94	3.70	-143.96	1.38	-54.18	91.98	84.44	7.53	12.208		
1,123.07	1,115.42	1,117.85	1,117.81	4.05	3.78	-145.51	2.14	-54.58	96.15	88.44	7.71	12.474		
1,200.00	1,189.91	1,194.99	1,194.83	4.42	4.06	-149.53	5.85	-56.57	109.88	101.60	8.28	13.277		
1,300.00	1,286.74	1,306.56	1,293.04	4.92	4.46	-152.86	11.97	-59.84	127.19	118.13	9.06	14.035		
1,400.00	1,383.57	1,408.30	1,391.06	5.42	4.83	-155.38	18.10	-63.12	144.81	134.99	9.82	14.753		
1,500.00	1,480.40	1,489.96	1,489.07	5.93	5.12	-157.36	24.22	-66.39	162.64	152.14	10.50	15.494		
1,600.00	1,577.24	1,588.22	1,587.08	6.45	5.48	-158.94	30.34	-69.67	180.62	169.38	11.24	16.070		
1,700.00	1,674.07	1,686.48	1,685.10	6.97	5.84	-160.23	36.46	-72.94	198.71	186.73	11.98	16.582		
1,800.00	1,770.90	1,784.74	1,783.11	7.49	6.20	-161.31	42.59	-76.21	216.88	204.15	12.73	17.039		
1,900.00	1,867.73	1,883.00	1,881.13	8.02	6.57	-162.22	48.71	-79.49	235.12	221.64	13.47	17.449		
2,000.00	1,964.56	1,981.25	1,979.14	8.54	6.93	-163.00	54.83	-82.76	253.40	239.18	14.22	17.818		
2,100.00	2,061.39	2,079.51	2,077.15	9.07	7.29	-163.68	60.96	-86.04	271.73	256.76	14.97	18.153		
2,200.00	2,158.23	2,177.77	2,175.17	9.61	7.66	-164.27	67.08	-89.31	290.08	274.37	15.72	18.456		
2,300.00	2,255.06	2,276.03	2,273.18	10.14	8.02	-164.79	73.20	-92.59	308.47	292.00	16.47	18.733		
2,400.00	2,351.89	2,374.29	2,371.20	10.67	8.38	-165.25	79.32	-95.86	326.87	309.66	17.22	18.987		
2,500.00	2,448.72	2,472.55	2,469.21	11.21	8.75	-165.66	85.45	-99.14	345.29	327.33	17.97	19.220		
2,600.00	2,545.55	2,570.81	2,567.22	11.74	9.11	-166.04	91.57	-102.41	363.73	345.02	18.72	19.434		
2,700.00	2,642.38	2,669.07	2,665.24	12.28	9.48	-166.37	97.69	-105.69	382.18	362.72	19.47	19.633		
2,800.00	2,739.22	2,767.33	2,763.25	12.82	9.84	-166.67	103.81	-108.96	400.65	380.43	20.22	19.817		
2,900.00	2,836.05	2,865.59	2,861.27	13.35	10.21	-166.95	109.94	-112.24	419.12	398.15	20.97	19.988		
3,000.00	2,932.88	2,963.85	2,959.28	13.89	10.58	-167.21	116.06	-115.51	437.60	415.88	21.72	20.147		
3,100.00	3,029.71	3,062.11	3,057.29	14.43	10.94	-167.44	122.18	-118.78	456.09	433.62	22.47	20.296		
3,200.00	3,126.54	3,160.37	3,155.31	14.97	11.31	-167.65	128.30	-122.06	474.59	451.36	23.22	20.435		
3,300.00	3,223.37	3,258.63	3,253.32	15.51	11.68	-167.85	134.43	-125.33	493.09	469.11	23.98	20.565		
3,400.00	3,320.21	3,356.89	3,351.34	16.05	12.04	-168.04	140.55	-128.61	511.60	486.87	24.73	20.688		
3,500.00	3,417.04	3,455.15	3,449.35	16.59	12.41	-168.21	146.67	-131.88	530.11	504.63	25.48	20.803		
3,600.00	3,513.87	3,553.41	3,547.36	17.13	12.78	-168.37	152.79	-135.16	548.62	522.39	26.23	20.912		
3,700.00	3,610.70	3,651.67	3,645.38	17.67	13.14	-168.52	158.92	-138.43	567.14	540.16	26.99	21.015		
3,800.00	3,707.53	3,749.93	3,743.39	18.21	13.51	-168.66	165.04	-141.71	585.67	557.93	27.74	21.112		
3,900.00	3,804.36	3,848.19	3,841.41	18.75	13.88	-168.79	171.16	-144.98	604.19	575.70	28.49	21.204		
4,000.00	3,901.19	3,946.45	3,939.42	19.29	14.24	-168.91	177.28	-148.26	622.72	593.48	29.25	21.291		
4,100.00	3,998.03	4,044.71	4,037.43	19.83	14.61	-169.03	183.41	-151.53	641.26	611.25	30.00	21.374		
4,200.00	4,094.86	4,142.97	4,135.45	20.37	14.98	-169.14	189.53	-154.80	659.79	629.04	30.76	21.453		
4,300.00	4,191.69	4,241.23	4,233.46	20.91	15.35	-169.24	195.65	-158.08	678.33	646.82	31.51	21.528		
4,400.00	4,288.52	4,339.49	4,331.48	21.45	15.71	-169.34	201.77	-161.35	696.87	664.60	32.26	21.599		
4,500.00	4,385.35	4,437.75	4,429.49	21.99	16.08	-169.44	207.90	-164.63	715.41	682.39	33.02	21.668		
4,600.00	4,482.18	4,536.01	4,527.50	22.54	16.45	-169.53	214.02	-167.90	733.95	700.18	33.77	21.733		
4,700.00	4,579.02	4,634.26	4,625.52	23.08	16.82	-169.61	220.14	-171.18	752.50	717.97	34.53	21.795		
4,800.00	4,675.85	4,732.52	4,723.53	23.62	17.18	-169.69	226.26	-174.45	771.04	735.76	35.28	21.855		
4,900.00	4,772.68	4,830.78	4,821.55	24.16	17.55	-169.77	232.39	-177.73	789.59	753.55	36.03	21.912		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,929.04	4,919.56	24.70	17.92	-169.84	238.51	-181.00	808.14	771.35	36.79	21.967		
5,100.00	4,966.34	5,027.30	5,017.57	25.24	18.29	-169.91	244.63	-184.28	826.69	789.14	37.54	22.019		
5,200.00	5,063.17	5,125.56	5,115.59	25.79	18.66	-169.98	250.75	-187.55	845.24	806.94	38.30	22.070		
5,300.00	5,160.01	5,223.82	5,213.60	26.33	19.02	-170.04	256.88	-190.82	863.79	824.74	39.05	22.118		
5,400.00	5,256.84	5,322.08	5,311.62	26.87	19.39	-170.10	263.00	-194.10	882.34	842.53	39.81	22.165		
5,500.00	5,353.67	5,420.34	5,409.63	27.41	19.76	-170.16	269.12	-197.37	900.90	860.33	40.56	22.210		
5,600.00	5,450.50	5,518.60	5,507.64	27.96	20.13	-170.22	275.24	-200.65	919.45	878.13	41.32	22.253		
5,700.00	5,547.33	5,616.86	5,605.66	28.50	20.49	-170.27	281.37	-203.92	938.01	895.93	42.07	22.295		
5,800.00	5,644.16	5,715.12	5,703.67	29.04	20.86	-170.32	287.49	-207.20	956.56	913.73	42.83	22.335		
5,900.00	5,741.00	5,813.38	5,801.69	29.58	21.23	-170.37	293.61	-210.47	975.12	931.54	43.58	22.374		
6,000.00	5,837.83	5,911.64	5,899.70	30.12	21.60	-170.42	299.73	-213.75	993.68	949.34	44.34	22.411		
6,100.00	5,934.66	6,009.90	5,997.71	30.67	21.97	-170.47	305.86	-217.02	1,012.24	967.14	45.09	22.447		
6,200.00	6,031.49	6,108.16	6,095.73	31.21	22.33	-170.51	311.98	-220.30	1,030.79	984.94	45.85	22.482		
6,300.00	6,128.32	6,206.42	6,193.74	31.75	22.70	-170.55	318.10	-223.57	1,049.35	1,002.75	46.60	22.516		
6,400.00	6,225.15	6,304.68	6,291.76	32.29	23.07	-170.59	324.22	-226.85	1,067.91	1,020.55	47.36	22.549		
6,500.00	6,321.99	6,402.94	6,389.77	32.84	23.44	-170.63	330.35	-230.12	1,086.47	1,038.36	48.12	22.580		
6,600.00	6,418.82	6,501.20	6,487.78	33.38	23.81	-170.67	336.47	-233.39	1,105.04	1,056.16	48.87	22.611		
6,700.00	6,515.65	6,599.46	6,585.80	33.92	24.18	-170.71	342.59	-236.67	1,123.60	1,073.97	49.63	22.641		
6,756.73	6,570.58	6,655.20	6,641.40	34.23	24.38	-170.73	346.07	-238.53	1,134.13	1,084.07	50.06	22.657		
6,800.00	6,612.56	6,702.22	6,688.37	34.46	24.56	-170.77	348.72	-239.95	1,141.84	1,091.44	50.40	22.656		
6,900.00	6,710.15	6,803.42	6,782.43	34.97	24.94	-170.83	354.87	-243.24	1,157.24	1,106.08	51.16	22.621		
7,000.00	6,808.44	6,904.15	6,881.45	35.43	25.32	-170.85	361.06	-246.55	1,169.22	1,117.31	51.91	22.525		
7,100.00	6,907.31	6,995.48	6,980.83	35.85	25.66	-170.83	367.27	-249.87	1,177.77	1,125.16	52.61	22.385		
7,200.00	7,006.64	7,095.33	7,080.43	36.23	26.03	-170.77	373.49	-253.19	1,182.89	1,129.55	53.34	22.175		
7,300.00	7,106.32	7,169.40	7,154.37	36.57	26.31	-170.73	377.33	-255.25	1,185.63	1,131.75	53.87	22.007		
7,400.00	7,206.21	7,242.64	7,227.56	36.87	26.57	-170.71	379.47	-256.40	1,187.17	1,132.81	54.36	21.838		
7,479.80	7,286.00	7,301.08	7,286.00	37.07	26.77	-180.00	380.00	-256.68	1,187.55	1,132.83	54.72	21.701		
7,499.99	7,306.18	7,321.26	7,306.18	37.12	26.84	-180.00	380.00	-256.68	1,187.55	1,132.69	54.86	21.647		
7,509.80	7,316.00	7,331.08	7,316.00	37.15	26.88	-180.00	380.00	-256.68	1,187.55	1,132.62	54.93	21.621		
7,550.00	7,356.16	7,371.64	7,356.53	37.25	27.02	-90.24	380.01	-258.11	1,187.55	1,132.35	55.20	21.514		
7,600.00	7,405.83	7,422.09	7,406.63	37.38	27.20	-90.24	380.03	-263.89	1,187.55	1,132.00	55.55	21.377		
7,650.00	7,454.80	7,472.53	7,456.02	37.51	27.39	-90.24	380.08	-274.05	1,187.55	1,131.62	55.93	21.234		
7,700.00	7,502.72	7,522.96	7,504.32	37.65	27.58	-90.23	380.14	-288.51	1,187.55	1,131.22	56.32	21.085		
7,750.00	7,549.22	7,573.38	7,551.15	37.80	27.79	-90.22	380.22	-307.15	1,187.54	1,130.80	56.74	20.930		
7,800.00	7,593.95	7,623.79	7,596.15	37.95	28.00	-90.21	380.32	-329.83	1,187.54	1,130.36	57.18	20.768		
7,850.00	7,636.56	7,674.17	7,638.96	38.11	28.22	-90.20	380.44	-356.36	1,187.54	1,129.88	57.66	20.597		
7,900.00	7,676.73	7,724.53	7,679.26	38.28	28.46	-90.19	380.57	-386.54	1,187.54	1,129.37	58.17	20.416		
7,950.00	7,714.16	7,774.87	7,716.74	38.45	28.72	-90.18	380.71	-420.12	1,187.53	1,128.81	58.72	20.223		
8,000.00	7,748.55	7,825.18	7,751.11	38.63	29.01	-90.16	380.88	-456.83	1,187.53	1,128.20	59.33	20.014		
8,050.00	7,779.66	7,875.46	7,782.11	38.82	29.33	-90.14	381.05	-496.39	1,187.53	1,127.52	60.01	19.789		
8,100.00	7,807.24	7,925.70	7,809.50	39.03	29.68	-90.13	381.23	-538.50	1,187.52	1,126.77	60.76	19.546		
8,150.00	7,831.08	7,975.91	7,833.09	39.26	30.08	-90.11	381.43	-582.80	1,187.52	1,125.94	61.58	19.283		
8,200.00	7,850.99	8,026.09	7,852.70	39.50	30.52	-90.09	381.63	-628.97	1,187.52	1,125.02	62.49	19.002		
8,250.00	7,866.84	8,076.23	7,868.19	39.78	31.01	-90.07	381.84	-676.64	1,187.51	1,124.03	63.49	18.705		
8,300.00	7,878.50	8,126.33	7,879.44	40.08	31.54	-90.05	382.05	-725.44	1,187.51	1,122.95	64.56	18.394		
8,350.00	7,885.88	8,176.39	7,886.39	40.42	32.11	-90.02	382.27	-775.01	1,187.51	1,121.80	65.71	18.072		
8,400.00	7,888.92	8,226.42	7,888.98	40.79	32.71	-90.00	382.48	-824.94	1,187.50	1,120.59	66.92	17.746		
8,409.88	7,889.00	8,236.29	7,889.00	40.87	32.83	-90.00	382.53	-834.82	1,187.50	1,120.34	67.16	17.681		
8,500.00	7,889.00	8,326.42	7,889.00	41.64	34.04	-90.00	382.92	-924.94	1,187.50	1,117.93	69.57	17.070		
8,600.00	7,889.00	8,426.42	7,889.00	42.65	35.51	-90.00	383.36	-1,024.94	1,187.49	1,114.98	72.51	16.377		
8,700.00	7,889.00	8,526.42	7,889.00	43.81	37.13	-90.00	383.79	-1,124.94	1,187.49	1,111.77	75.72	15.682		
8,800.00	7,889.00	8,626.42	7,889.00	45.13	38.86	-90.00	384.23	-1,224.94	1,187.48	1,108.31	79.17	15.000		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
8,900.00	7,888.99	8,726.42	7,889.00	46.58	40.69	-90.00	384.67	-1,324.94	1,187.48	1,104.65	82.82	14.338		
9,000.00	7,888.99	8,826.42	7,889.00	48.17	42.62	-90.00	385.11	-1,424.94	1,187.47	1,100.82	86.65	13.704		
9,100.00	7,888.99	8,926.42	7,889.00	49.86	44.63	-90.00	385.54	-1,524.94	1,187.46	1,096.82	90.64	13.100		
9,200.00	7,888.99	9,026.42	7,889.00	51.66	46.70	-90.00	385.98	-1,624.94	1,187.46	1,092.69	94.77	12.530		
9,300.00	7,888.99	9,126.42	7,889.00	53.55	48.84	-90.00	386.42	-1,724.94	1,187.45	1,088.43	99.02	11.992		
9,400.00	7,888.99	9,226.42	7,889.00	55.51	51.02	-90.00	386.85	-1,824.94	1,187.45	1,084.08	103.37	11.487		
9,500.00	7,888.99	9,326.42	7,889.00	57.54	53.26	-90.00	387.29	-1,924.93	1,187.44	1,079.62	107.82	11.013		
9,600.00	7,888.99	9,426.42	7,889.00	59.63	55.53	-90.00	387.73	-2,024.93	1,187.44	1,075.09	112.35	10.569		
9,700.00	7,888.99	9,526.42	7,889.00	61.77	57.84	-90.00	388.16	-2,124.93	1,187.44	1,070.49	116.95	10.153		
9,800.00	7,888.98	9,626.42	7,889.00	63.96	60.19	-90.00	388.60	-2,224.93	1,187.43	1,065.82	121.61	9.764		
9,900.00	7,888.98	9,726.42	7,889.00	66.19	62.56	-90.00	389.04	-2,324.93	1,187.43	1,061.09	126.33	9.399		
10,000.00	7,888.98	9,826.42	7,889.00	68.46	64.95	-90.00	389.47	-2,424.93	1,187.42	1,056.32	131.11	9.057		
10,100.00	7,888.98	9,926.42	7,889.00	70.76	67.37	-90.00	389.91	-2,524.93	1,187.42	1,051.50	135.92	8.736		
10,200.00	7,888.98	10,026.42	7,889.00	73.08	69.81	-90.00	390.35	-2,624.93	1,187.41	1,046.63	140.78	8.434		
10,300.00	7,888.98	10,126.42	7,889.00	75.44	72.26	-90.00	390.79	-2,724.93	1,187.41	1,041.74	145.68	8.151		
10,400.00	7,888.98	10,226.42	7,889.00	77.81	74.73	-90.00	391.22	-2,824.93	1,187.41	1,036.80	150.60	7.884		
10,500.00	7,888.98	10,326.42	7,889.00	80.21	77.22	-90.00	391.66	-2,924.92	1,187.40	1,031.84	155.56	7.633		
10,600.00	7,888.98	10,426.42	7,889.00	82.63	79.72	-90.00	392.10	-3,024.92	1,187.40	1,026.86	160.54	7.396		
10,700.00	7,888.98	10,526.42	7,889.00	85.06	82.23	-90.00	392.53	-3,124.92	1,187.40	1,021.84	165.55	7.172		
10,800.00	7,888.98	10,626.42	7,889.00	87.51	84.75	-90.00	392.97	-3,224.92	1,187.39	1,016.81	170.59	6.961		
10,900.00	7,888.98	10,726.42	7,889.00	89.98	87.28	-90.00	393.41	-3,324.92	1,187.39	1,011.75	175.64	6.760		
11,000.00	7,888.98	10,826.42	7,889.00	92.46	89.83	-90.00	393.84	-3,424.92	1,187.39	1,006.68	180.71	6.571		
11,100.00	7,888.97	10,926.42	7,889.00	94.95	92.38	-90.00	394.28	-3,524.92	1,187.38	1,001.59	185.80	6.391		
11,200.00	7,888.97	11,026.42	7,889.00	97.45	94.93	-90.00	394.72	-3,624.92	1,187.38	996.48	190.90	6.220		
11,300.00	7,888.97	11,126.42	7,889.00	99.96	97.50	-90.00	395.16	-3,724.92	1,187.38	991.36	196.02	6.057		
11,400.00	7,888.97	11,226.42	7,889.00	102.48	100.07	-90.00	395.59	-3,824.92	1,187.38	986.22	201.16	5.903		
11,500.00	7,888.97	11,326.42	7,889.00	105.01	102.65	-90.00	396.03	-3,924.92	1,187.37	981.07	206.30	5.756		
11,600.00	7,888.97	11,426.42	7,889.00	107.54	105.23	-90.00	396.47	-4,024.91	1,187.37	975.91	211.46	5.615		
11,700.00	7,888.97	11,526.42	7,889.00	110.09	107.82	-90.00	396.90	-4,124.91	1,187.37	970.74	216.63	5.481		
11,800.00	7,888.97	11,626.42	7,889.00	112.64	110.41	-90.00	397.34	-4,224.91	1,187.37	965.56	221.80	5.353		
11,900.00	7,888.97	11,726.42	7,889.00	115.20	113.01	-90.00	397.78	-4,324.91	1,187.37	960.37	226.99	5.231		
12,000.00	7,888.97	11,826.42	7,889.00	117.76	115.61	-90.00	398.21	-4,424.91	1,187.36	955.18	232.19	5.114		
12,100.00	7,888.97	11,926.42	7,889.00	120.33	118.22	-90.00	398.65	-4,524.91	1,187.36	949.97	237.39	5.002		
12,200.00	7,888.97	12,026.42	7,889.00	122.91	120.83	-90.00	399.09	-4,624.91	1,187.36	944.76	242.60	4.894		
12,300.00	7,888.97	12,126.42	7,889.00	125.49	123.44	-90.00	399.52	-4,724.91	1,187.36	939.54	247.82	4.791		
12,400.00	7,888.97	12,226.42	7,889.00	128.07	126.06	-90.00	399.96	-4,824.91	1,187.36	934.31	253.05	4.692		
12,500.00	7,888.97	12,326.42	7,889.00	130.66	128.67	-90.00	400.40	-4,924.91	1,187.36	929.08	258.28	4.597		
12,600.00	7,888.97	12,426.42	7,888.99	133.26	131.30	-90.00	400.84	-5,024.90	1,187.36	923.84	263.52	4.506		
12,700.00	7,888.97	12,526.42	7,888.99	135.85	133.92	-90.00	401.27	-5,124.90	1,187.35	918.59	268.76	4.418		
12,800.00	7,888.97	12,626.42	7,888.99	138.45	136.55	-90.00	401.71	-5,224.90	1,187.35	913.34	274.01	4.333		
12,900.00	7,888.97	12,726.42	7,888.99	141.06	139.18	-90.00	402.15	-5,324.90	1,187.35	908.09	279.27	4.252		
13,000.00	7,888.97	12,826.42	7,888.99	143.66	141.81	-90.00	402.58	-5,424.90	1,187.35	902.83	284.52	4.173		
13,100.00	7,888.97	12,926.42	7,888.99	146.28	144.44	-90.00	403.02	-5,524.90	1,187.35	897.56	289.79	4.097		
13,200.00	7,888.97	13,026.42	7,888.99	148.89	147.08	-90.00	403.46	-5,624.90	1,187.35	892.30	295.05	4.024		
13,300.00	7,888.97	13,126.42	7,888.99	151.50	149.72	-90.00	403.89	-5,724.90	1,187.35	887.03	300.33	3.954		
13,400.00	7,888.97	13,226.42	7,888.99	154.12	152.36	-90.00	404.33	-5,824.90	1,187.35	881.75	305.60	3.885		
13,494.41	7,888.97	13,320.82	7,888.99	156.60	154.85	-90.00	404.74	-5,919.30	1,187.35	876.77	310.58	3.823		
13,500.00	7,888.97	13,326.42	7,888.99	156.74	155.00	-90.00	404.77	-5,924.90	1,187.35	876.47	310.88	3.819		
13,600.00	7,888.97	13,426.42	7,888.99	159.37	157.64	-90.00	405.20	-6,024.90	1,187.35	871.19	316.16	3.756		
13,700.00	7,888.97	13,526.42	7,888.99	161.99	160.29	-90.00	405.64	-6,124.89	1,187.35	865.90	321.45	3.694		
13,800.00	7,888.97	13,626.42	7,888.99	164.62	162.93	-90.00	406.08	-6,224.89	1,187.35	860.62	326.73	3.634		
13,900.00	7,888.97	13,726.42	7,888.99	167.25	165.58	-90.00	406.52	-6,324.89	1,187.35	855.33	332.03	3.576		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,000.00	7,888.97	13,826.42	7,888.99	169.88	168.23	-90.00	406.95	-6,424.89	1,187.35	850.03	337.32	3.520		
14,100.00	7,888.97	13,926.42	7,888.99	172.52	170.88	-90.00	407.39	-6,524.89	1,187.35	844.74	342.62	3.466		
14,200.00	7,888.97	14,026.42	7,888.99	175.15	173.53	-90.00	407.83	-6,624.89	1,187.35	839.44	347.92	3.413		
14,300.00	7,888.97	14,126.42	7,888.99	177.79	176.19	-90.00	408.26	-6,724.89	1,187.35	834.14	353.22	3.362		
14,400.00	7,888.97	14,226.42	7,888.99	180.43	178.84	-90.00	408.70	-6,824.89	1,187.36	828.83	358.52	3.312		
14,500.00	7,888.97	14,326.42	7,888.99	183.07	181.49	-90.00	409.14	-6,924.89	1,187.36	823.53	363.83	3.264		
14,600.00	7,888.97	14,426.42	7,888.99	185.71	184.15	-90.00	409.57	-7,024.89	1,187.36	818.22	369.14	3.217		
14,700.00	7,888.97	14,526.42	7,888.99	188.35	186.81	-90.00	410.01	-7,124.88	1,187.36	812.91	374.45	3.171		
14,800.00	7,888.97	14,626.42	7,888.99	190.99	189.46	-90.00	410.45	-7,224.88	1,187.36	807.60	379.76	3.127		
14,900.00	7,888.97	14,726.42	7,888.99	193.64	192.12	-90.00	410.89	-7,324.88	1,187.36	802.29	385.07	3.083		
15,000.00	7,888.97	14,826.42	7,888.99	196.29	194.78	-90.00	411.32	-7,424.88	1,187.36	796.98	390.39	3.041		
15,100.00	7,888.97	14,926.42	7,888.99	198.93	197.44	-90.00	411.76	-7,524.88	1,187.37	791.66	395.71	3.001		
15,200.00	7,888.97	15,026.42	7,888.99	201.58	200.10	-90.00	412.20	-7,624.88	1,187.37	786.34	401.03	2.961		
15,300.00	7,888.97	15,126.42	7,888.99	204.23	202.76	-90.00	412.63	-7,724.88	1,187.37	781.02	406.35	2.922		
15,400.00	7,888.97	15,226.42	7,888.99	206.88	205.43	-90.00	413.07	-7,824.88	1,187.37	775.70	411.67	2.884		
15,500.00	7,888.98	15,326.42	7,888.99	209.54	208.09	-90.00	413.51	-7,924.88	1,187.37	770.38	416.99	2.847		
15,600.00	7,888.98	15,426.42	7,888.99	212.19	210.75	-90.00	413.94	-8,024.88	1,187.38	765.06	422.32	2.812		
15,700.00	7,888.98	15,526.42	7,888.99	214.84	213.42	-90.00	414.38	-8,124.88	1,187.38	759.74	427.64	2.777		
15,800.00	7,888.98	15,626.42	7,888.99	217.50	216.08	-90.00	414.82	-8,224.87	1,187.38	754.41	432.97	2.742		
15,900.00	7,888.98	15,726.42	7,888.99	220.15	218.75	-90.00	415.25	-8,324.87	1,187.39	749.08	438.30	2.709		
16,000.00	7,888.98	15,826.42	7,888.99	222.81	221.42	-90.00	415.69	-8,424.87	1,187.39	743.76	443.63	2.677		
16,100.00	7,888.98	15,926.42	7,888.99	225.47	224.08	-90.00	416.13	-8,524.87	1,187.39	738.43	448.96	2.645		
16,200.00	7,888.98	16,026.42	7,888.99	228.13	226.75	-90.00	416.57	-8,624.87	1,187.39	733.10	454.30	2.614		
16,300.00	7,888.98	16,126.42	7,888.99	230.78	229.42	-90.00	417.00	-8,724.87	1,187.40	727.77	459.63	2.583		
16,400.00	7,888.98	16,226.42	7,888.99	233.44	232.09	-90.00	417.44	-8,824.87	1,187.40	722.44	464.96	2.554		
16,500.00	7,888.98	16,326.42	7,888.99	236.10	234.76	-90.00	417.88	-8,924.87	1,187.40	717.10	470.30	2.525		
16,600.00	7,888.98	16,426.42	7,888.99	238.77	237.43	-90.00	418.31	-9,024.87	1,187.41	711.77	475.64	2.496		
16,700.00	7,888.98	16,526.42	7,888.99	241.43	240.10	-90.00	418.75	-9,124.87	1,187.41	706.44	480.98	2.469		
16,800.00	7,888.99	16,626.42	7,888.99	244.09	242.77	-90.00	419.19	-9,224.86	1,187.42	701.10	486.31	2.442		
16,900.00	7,888.99	16,726.42	7,888.99	246.75	245.44	-90.00	419.62	-9,324.86	1,187.42	695.77	491.65	2.415		
17,000.00	7,888.99	16,826.42	7,888.99	249.41	248.11	-90.00	420.06	-9,424.86	1,187.42	690.43	496.99	2.389		
17,100.00	7,888.99	16,926.42	7,888.99	252.08	250.78	-90.00	420.50	-9,524.86	1,187.43	685.09	502.34	2.364		
17,200.00	7,888.99	17,026.42	7,888.99	254.74	253.45	-90.00	420.94	-9,624.86	1,187.43	679.76	507.68	2.339		
17,300.00	7,888.99	17,126.42	7,888.99	257.41	256.12	-90.00	421.37	-9,724.86	1,187.44	674.42	513.02	2.315		
17,400.00	7,888.99	17,226.42	7,888.99	260.07	258.80	-90.00	421.81	-9,824.86	1,187.44	669.08	518.36	2.291		
17,500.00	7,888.99	17,326.42	7,888.99	262.74	261.47	-90.00	422.25	-9,924.86	1,187.45	663.74	523.71	2.267		
17,600.00	7,888.99	17,426.42	7,888.99	265.41	264.14	-90.00	422.68	-10,024.86	1,187.45	658.40	529.05	2.244		
17,700.00	7,889.00	17,526.42	7,888.99	268.07	266.82	-90.00	423.12	-10,124.86	1,187.46	653.06	534.40	2.222		
17,800.00	7,889.00	17,626.42	7,888.99	270.74	269.49	-90.00	423.56	-10,224.86	1,187.46	647.72	539.75	2.200		
17,900.00	7,889.00	17,726.42	7,888.99	273.41	272.16	-90.00	423.99	-10,324.85	1,187.47	642.37	545.09	2.178		
18,000.00	7,889.00	17,826.42	7,888.99	276.08	274.84	-90.00	424.43	-10,424.85	1,187.47	637.03	550.44	2.157		
18,002.88	7,889.00	17,829.29	7,888.99	276.15	274.92	-90.00	424.44	-10,427.73	1,187.47	636.88	550.59	2.157		
18,089.93	7,889.00	17,912.86	7,889.00	278.48	277.15	-90.00	424.77	-10,511.30	1,187.52	632.42	555.10	2.139 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	-90.00	0.00	-70.31	70.31					
100.00	100.00	100.00	100.00	0.13	0.13	-90.00	0.00	-70.31	70.31	70.04	0.27	261.526		
200.00	200.00	200.00	200.00	0.49	0.49	-90.00	0.00	-70.31	70.31	69.33	0.99	71.325		
300.00	300.00	300.00	300.00	0.85	0.85	-90.00	0.00	-70.31	70.31	68.61	1.70	41.294		
400.00	400.00	400.00	400.00	1.21	1.21	-90.00	0.00	-70.31	70.31	67.89	2.42	29.058		
500.00	499.98	500.02	499.98	1.57	1.57	-82.12	0.00	-70.31	70.05	66.92	3.14	22.337		
600.00	599.84	600.16	599.84	1.93	1.93	-86.40	0.00	-70.31	69.53	65.67	3.85	18.038		
655.21	654.87	654.87	654.87	2.13	2.12	-90.00	0.00	-70.31	69.39	65.14	4.25	16.317	CC	
700.00	699.45	700.55	699.45	2.30	2.29	-93.55	0.00	-70.31	69.52	64.94	4.58	15.178	ES	
800.00	798.70	801.30	798.70	2.67	2.65	-103.27	0.00	-70.31	71.33	66.01	5.32	13.406		
900.00	897.47	902.53	897.47	3.07	3.01	-114.54	0.00	-70.31	76.48	70.40	6.08	12.587		
1,000.00	995.62	1,004.38	995.62	3.49	3.38	-125.84	0.00	-70.31	86.26	79.42	6.84	12.611		
1,100.00	1,093.06	1,106.94	1,093.06	3.94	3.74	-135.88	0.00	-70.31	101.25	93.65	7.60	13.317		
1,123.07	1,115.42	1,115.42	1,115.42	4.05	3.77	-137.94	0.00	-70.31	105.45	97.73	7.73	13.649		
1,200.00	1,189.91	1,189.91	1,189.91	4.42	4.04	-144.00	0.00	-70.31	120.58	112.30	8.29	14.552		
1,300.00	1,286.74	1,284.93	1,284.92	4.92	4.37	-149.33	-0.11	-71.57	142.29	133.30	8.99	15.821		
1,400.00	1,383.57	1,381.60	1,381.54	5.42	4.71	-152.72	-0.39	-74.67	165.60	155.89	9.70	17.064		
1,500.00	1,480.40	1,478.44	1,478.32	5.93	5.04	-155.28	-0.67	-77.80	189.32	178.90	10.42	18.174		
1,600.00	1,577.24	1,575.28	1,575.11	6.45	5.38	-157.26	-0.96	-80.93	213.33	202.19	11.13	19.161		
1,700.00	1,674.07	1,672.12	1,671.90	6.97	5.72	-158.85	-1.24	-84.05	237.52	225.67	11.85	20.040		
1,800.00	1,770.90	1,768.96	1,768.69	7.49	6.05	-160.14	-1.52	-87.18	261.86	249.29	12.57	20.826		
1,900.00	1,867.73	1,865.79	1,865.48	8.02	6.40	-161.21	-1.80	-90.30	286.30	273.01	13.30	21.531		
2,000.00	1,964.56	1,962.63	1,962.27	8.54	6.74	-162.11	-2.08	-93.43	310.83	296.80	14.02	22.166		
2,100.00	2,061.39	2,059.47	2,059.05	9.07	7.08	-162.89	-2.36	-96.55	335.41	320.66	14.75	22.740		
2,200.00	2,158.23	2,156.31	2,155.84	9.61	7.42	-163.55	-2.65	-99.68	360.04	344.56	15.48	23.261		
2,300.00	2,255.06	2,253.15	2,252.63	10.14	7.77	-164.13	-2.93	-102.80	384.72	368.51	16.21	23.736		
2,400.00	2,351.89	2,349.99	2,349.42	10.67	8.11	-164.64	-3.21	-105.93	409.42	392.48	16.94	24.170		
2,500.00	2,448.72	2,446.83	2,446.21	11.21	8.46	-165.10	-3.49	-109.05	434.15	416.48	17.67	24.569		
2,600.00	2,545.55	2,543.67	2,543.00	11.74	8.81	-165.50	-3.77	-112.18	458.91	440.51	18.40	24.936		
2,700.00	2,642.38	2,640.51	2,639.79	12.28	9.15	-165.86	-4.05	-115.30	483.68	464.55	19.14	25.274		
2,800.00	2,739.22	2,737.35	2,736.57	12.82	9.50	-166.19	-4.34	-118.43	508.48	488.60	19.87	25.588		
2,900.00	2,836.05	2,834.19	2,833.36	13.35	9.85	-166.49	-4.62	-121.55	533.28	512.68	20.61	25.879		
3,000.00	2,932.88	2,931.03	2,930.15	13.89	10.19	-166.76	-4.90	-124.68	558.10	536.76	21.34	26.150		
3,100.00	3,029.71	3,027.87	3,026.94	14.43	10.54	-167.01	-5.18	-127.80	582.93	560.85	22.08	26.403		
3,200.00	3,126.54	3,124.71	3,123.73	14.97	10.89	-167.23	-5.46	-130.93	607.77	584.95	22.81	26.639		
3,300.00	3,223.37	3,221.55	3,220.52	15.51	11.24	-167.44	-5.74	-134.05	632.61	609.06	23.55	26.860		
3,400.00	3,320.21	3,318.38	3,317.30	16.05	11.59	-167.64	-6.03	-137.18	657.47	633.18	24.29	27.068		
3,500.00	3,417.04	3,415.22	3,414.09	16.59	11.93	-167.82	-6.31	-140.31	682.33	657.30	25.03	27.263		
3,600.00	3,513.87	3,512.06	3,510.88	17.13	12.28	-167.98	-6.59	-143.43	707.19	681.43	25.77	27.447		
3,700.00	3,610.70	3,608.90	3,607.67	17.67	12.63	-168.14	-6.87	-146.56	732.06	705.56	26.50	27.621		
3,800.00	3,707.53	3,705.74	3,704.46	18.21	12.98	-168.28	-7.15	-149.68	756.94	729.70	27.24	27.785		
3,900.00	3,804.36	3,802.58	3,801.25	18.75	13.33	-168.42	-7.43	-152.81	781.82	753.84	27.98	27.940		
4,000.00	3,901.19	3,900.58	3,898.04	19.29	13.68	-168.55	-7.72	-155.93	806.70	777.98	28.73	28.083		
4,100.00	3,998.03	4,003.74	3,994.82	19.83	14.06	-168.67	-8.00	-159.06	831.59	802.10	29.49	28.201		
4,200.00	4,094.86	4,106.90	4,091.61	20.37	14.43	-168.78	-8.28	-162.18	856.48	826.23	30.25	28.313		
4,300.00	4,191.69	4,189.94	4,188.40	20.91	14.73	-168.89	-8.56	-165.31	881.37	850.43	30.94	28.486		
4,400.00	4,288.52	4,286.78	4,285.19	21.45	15.08	-168.99	-8.84	-168.43	906.27	874.59	31.68	28.606		
4,500.00	4,385.35	4,383.62	4,381.98	21.99	15.43	-169.08	-9.12	-171.56	931.17	898.75	32.42	28.721		
4,600.00	4,482.18	4,480.46	4,478.77	22.54	15.78	-169.17	-9.41	-174.68	956.07	922.91	33.16	28.830		
4,700.00	4,579.02	4,577.30	4,575.55	23.08	16.13	-169.26	-9.69	-177.81	980.97	947.07	33.90	28.935		
4,800.00	4,675.85	4,674.13	4,672.34	23.62	16.48	-169.34	-9.97	-180.93	1,005.88	971.23	34.64	29.035		
4,900.00	4,772.68	4,770.97	4,769.13	24.16	16.83	-169.42	-10.25	-184.06	1,030.79	995.40	35.38	29.131		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,000.00	4,869.51	4,867.81	4,865.92	24.70	17.18	-169.49	-10.53	-187.18	1,055.69	1,019.57	36.13	29.222		
5,100.00	4,966.34	4,964.65	4,962.71	25.24	17.53	-169.56	-10.81	-190.31	1,080.60	1,043.74	36.87	29.310		
5,200.00	5,063.17	5,061.49	5,059.50	25.79	17.88	-169.63	-11.10	-193.44	1,105.52	1,067.91	37.61	29.395		
5,300.00	5,160.01	5,158.33	5,156.28	26.33	18.23	-169.70	-11.38	-196.56	1,130.43	1,092.08	38.35	29.476		
5,400.00	5,256.84	5,255.17	5,253.07	26.87	18.58	-169.76	-11.66	-199.69	1,155.34	1,116.25	39.09	29.554		
5,500.00	5,353.67	5,352.01	5,349.86	27.41	18.93	-169.82	-11.94	-202.81	1,180.26	1,140.42	39.84	29.628		
5,600.00	5,450.50	5,448.85	5,446.65	27.96	19.28	-169.87	-12.22	-205.94	1,205.18	1,164.60	40.58	29.701		
5,700.00	5,547.33	5,545.69	5,543.44	28.50	19.63	-169.93	-12.50	-209.06	1,230.09	1,188.77	41.32	29.770		
5,800.00	5,644.16	5,642.53	5,640.23	29.04	19.98	-169.98	-12.79	-212.19	1,255.01	1,212.95	42.06	29.837		
5,900.00	5,741.00	5,739.37	5,737.02	29.58	20.33	-170.03	-13.07	-215.31	1,279.93	1,237.13	42.81	29.901		
6,000.00	5,837.83	5,836.21	5,833.80	30.12	20.68	-170.08	-13.35	-218.44	1,304.85	1,261.31	43.55	29.964		
6,100.00	5,934.66	5,933.05	5,930.59	30.67	21.03	-170.13	-13.63	-221.56	1,329.78	1,285.48	44.29	30.024		
6,200.00	6,031.49	6,029.88	6,027.38	31.21	21.38	-170.17	-13.91	-224.69	1,354.70	1,309.66	45.03	30.082		
6,300.00	6,128.32	6,126.72	6,124.17	31.75	21.73	-170.21	-14.19	-227.81	1,379.62	1,333.84	45.78	30.138		
6,400.00	6,225.15	6,223.56	6,220.96	32.29	22.08	-170.25	-14.48	-230.94	1,404.54	1,358.02	46.52	30.192		
6,500.00	6,321.99	6,320.40	6,317.75	32.84	22.43	-170.29	-14.76	-234.06	1,429.47	1,382.21	47.26	30.245		
6,600.00	6,418.82	6,417.24	6,414.53	33.38	22.79	-170.33	-15.04	-237.19	1,454.39	1,406.39	48.01	30.296		
6,700.00	6,515.65	6,514.08	6,511.32	33.92	23.14	-170.37	-15.32	-240.31	1,479.32	1,430.57	48.75	30.345		
6,756.73	6,570.58	6,569.02	6,566.23	34.23	23.33	-170.39	-15.48	-242.09	1,493.46	1,444.29	49.17	30.372		
6,800.00	6,612.56	6,611.00	6,608.19	34.46	23.49	-170.44	-15.60	-243.44	1,503.93	1,454.44	49.49	30.386		
6,900.00	6,710.15	6,708.59	6,705.73	34.97	23.84	-170.53	-15.89	-246.59	1,525.74	1,475.51	50.23	30.374		
7,000.00	6,808.44	6,806.87	6,803.96	35.43	24.20	-170.58	-16.17	-249.76	1,544.17	1,493.20	50.97	30.298		
7,100.00	6,907.31	6,905.72	6,902.76	35.85	24.55	-170.60	-16.46	-252.95	1,559.21	1,507.51	51.69	30.163		
7,200.00	7,006.64	7,005.03	7,002.02	36.23	24.91	-170.59	-16.75	-256.16	1,570.83	1,518.42	52.41	29.970		
7,300.00	7,106.32	7,106.94	7,103.88	36.57	25.28	-170.56	-17.01	-259.10	1,579.00	1,525.86	53.14	29.715		
7,400.00	7,206.21	7,209.42	7,206.35	36.87	25.64	-170.57	-17.05	-260.02	1,583.50	1,529.67	53.84	29.412		
7,479.80	7,286.00	7,288.66	7,285.03	37.07	25.94	-179.56	-17.01	-268.84	1,584.61	1,530.19	54.41	29.123		
7,499.99	7,306.18	7,308.20	7,304.19	37.12	26.02	-179.42	-16.99	-272.68	1,584.62	1,530.07	54.56	29.045		
7,509.80	7,316.00	7,317.60	7,313.36	37.15	26.06	-179.34	-16.98	-274.76	1,584.64	1,530.01	54.63	29.007		
7,550.00	7,356.16	7,355.67	7,350.10	37.25	26.21	-89.27	-16.94	-284.71	1,584.73	1,529.81	54.92	28.855		
7,600.00	7,405.83	7,402.28	7,394.05	37.38	26.41	-88.87	-16.87	-300.18	1,584.92	1,529.63	55.29	28.667		
7,650.00	7,454.80	7,448.12	7,435.91	37.51	26.61	-88.49	-16.79	-318.83	1,585.17	1,529.51	55.66	28.477		
7,700.00	7,502.72	7,493.25	7,475.54	37.65	26.81	-88.12	-16.70	-340.40	1,585.48	1,529.43	56.05	28.285		
7,750.00	7,549.22	7,537.73	7,512.82	37.80	27.03	-87.76	-16.59	-364.65	1,585.85	1,529.39	56.46	28.089		
7,800.00	7,593.95	7,581.62	7,547.65	37.95	27.26	-87.42	-16.47	-391.33	1,586.25	1,529.37	56.88	27.887		
7,850.00	7,636.56	7,624.98	7,579.96	38.11	27.50	-87.10	-16.35	-420.24	1,586.69	1,529.36	57.33	27.677		
7,900.00	7,676.73	7,667.86	7,609.67	38.28	27.76	-86.79	-16.21	-451.15	1,587.14	1,529.33	57.80	27.457		
7,950.00	7,714.16	7,710.32	7,636.72	38.45	28.04	-86.51	-16.07	-483.85	1,587.59	1,529.27	58.32	27.223		
8,000.00	7,748.55	7,752.39	7,661.07	38.63	28.34	-86.25	-15.92	-518.15	1,588.04	1,529.16	58.87	26.974		
8,050.00	7,779.66	7,794.13	7,682.68	38.82	28.66	-86.02	-15.76	-553.84	1,588.47	1,528.98	59.48	26.705		
8,100.00	7,807.24	7,835.57	7,701.51	39.03	29.02	-85.81	-15.60	-590.76	1,588.87	1,528.72	60.15	26.415		
8,150.00	7,831.08	7,876.77	7,717.53	39.26	29.40	-85.63	-15.44	-628.70	1,589.23	1,528.35	60.88	26.104		
8,200.00	7,850.99	7,917.76	7,730.73	39.50	29.81	-85.48	-15.27	-667.50	1,589.55	1,527.87	61.67	25.774		
8,250.00	7,866.84	7,958.58	7,741.08	39.78	30.24	-85.36	-15.10	-706.98	1,589.81	1,527.28	62.53	25.424		
8,300.00	7,878.50	7,999.27	7,748.58	40.08	30.70	-85.26	-14.92	-746.96	1,590.01	1,526.56	63.45	25.058		
8,350.00	7,885.88	8,039.87	7,753.21	40.42	31.19	-85.20	-14.75	-787.28	1,590.15	1,525.70	64.44	24.676		
8,400.00	7,888.92	8,080.41	7,754.98	40.79	31.69	-85.17	-14.57	-827.78	1,590.22	1,524.74	65.48	24.285		
8,409.88	7,889.00	8,089.18	7,755.00	40.87	31.80	-85.17	-14.53	-836.55	1,590.22	1,524.52	65.71	24.202		
8,500.00	7,889.00	8,179.30	7,755.00	41.64	33.04	-85.17	-14.14	-926.67	1,590.22	1,522.10	68.11	23.346		
8,600.00	7,889.00	8,279.30	7,755.00	42.65	34.55	-85.17	-13.70	-1,026.67	1,590.21	1,519.15	71.06	22.377		
8,700.00	7,889.00	8,379.30	7,755.00	43.81	36.19	-85.17	-13.26	-1,126.67	1,590.20	1,515.92	74.28	21.407		
8,800.00	7,889.00	8,479.30	7,755.00	45.13	37.96	-85.17	-12.83	-1,226.67	1,590.20	1,512.46	77.74	20.455		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Sec 4-T4S-R65W - JAMASO 4-6S 5-6-6 - ORIGINAL WELLBORE - PROPOSAL 1		Offset Site Error: 0.00 usft	
Survey Program: 0-MWD OWSG													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				
8,900.00	7,888.99	8,579.30	7,755.00	46.58	39.83	-85.17	-12.39	-1,326.67	1,590.19	1,508.79	81.40	19.535				
9,000.00	7,888.99	8,679.30	7,755.00	48.17	41.78	-85.17	-11.95	-1,426.67	1,590.19	1,504.94	85.25	18.654				
9,100.00	7,888.99	8,779.30	7,755.00	49.86	43.82	-85.17	-11.52	-1,526.67	1,590.18	1,500.94	89.25	17.818				
9,200.00	7,888.99	8,879.30	7,755.00	51.66	45.92	-85.17	-11.08	-1,626.67	1,590.18	1,496.80	93.38	17.029				
9,300.00	7,888.99	8,979.30	7,755.00	53.55	48.09	-85.17	-10.65	-1,726.66	1,590.17	1,492.54	97.64	16.286				
9,400.00	7,888.99	9,079.30	7,755.00	55.51	50.30	-85.17	-10.21	-1,826.66	1,590.17	1,488.17	102.00	15.590				
9,500.00	7,888.99	9,179.30	7,755.00	57.54	52.56	-85.17	-9.77	-1,926.66	1,590.17	1,483.72	106.45	14.938				
9,600.00	7,888.99	9,279.30	7,755.00	59.63	54.85	-85.17	-9.34	-2,026.66	1,590.16	1,479.18	110.98	14.328				
9,700.00	7,888.99	9,379.30	7,755.00	61.77	57.18	-85.17	-8.90	-2,126.66	1,590.16	1,474.57	115.58	13.758				
9,800.00	7,888.98	9,479.30	7,755.00	63.96	59.54	-85.17	-8.46	-2,226.66	1,590.15	1,469.91	120.25	13.224				
9,900.00	7,888.98	9,579.30	7,755.00	66.19	61.93	-85.17	-8.03	-2,326.66	1,590.15	1,465.18	124.97	12.724				
10,000.00	7,888.98	9,679.30	7,755.00	68.46	64.34	-85.17	-7.59	-2,426.66	1,590.15	1,460.41	129.74	12.256				
10,100.00	7,888.98	9,779.30	7,755.00	70.76	66.78	-85.17	-7.15	-2,526.66	1,590.14	1,455.59	134.56	11.818				
10,200.00	7,888.98	9,879.30	7,755.00	73.08	69.23	-85.17	-6.72	-2,626.66	1,590.14	1,450.73	139.41	11.406				
10,300.00	7,888.98	9,979.30	7,755.00	75.44	71.70	-85.17	-6.28	-2,726.65	1,590.13	1,445.83	144.30	11.020				
10,400.00	7,888.98	10,079.30	7,755.00	77.81	74.18	-85.17	-5.84	-2,826.65	1,590.13	1,440.91	149.22	10.656				
10,500.00	7,888.98	10,179.30	7,755.00	80.21	76.68	-85.17	-5.41	-2,926.65	1,590.13	1,435.95	154.18	10.314				
10,600.00	7,888.98	10,279.30	7,755.00	82.63	79.19	-85.17	-4.97	-3,026.65	1,590.13	1,430.97	159.16	9.991				
10,700.00	7,888.98	10,379.30	7,755.00	85.06	81.72	-85.17	-4.53	-3,126.65	1,590.12	1,425.96	164.16	9.686				
10,800.00	7,888.98	10,479.30	7,755.00	87.51	84.25	-85.17	-4.10	-3,226.65	1,590.12	1,420.94	169.18	9.399				
10,900.00	7,888.98	10,579.30	7,755.00	89.98	86.79	-85.17	-3.66	-3,326.65	1,590.12	1,415.89	174.23	9.127				
11,000.00	7,888.98	10,679.30	7,755.00	92.46	89.34	-85.17	-3.22	-3,426.65	1,590.11	1,410.82	179.29	8.869				
11,100.00	7,888.97	10,779.30	7,755.00	94.95	91.90	-85.17	-2.79	-3,526.65	1,590.11	1,405.74	184.37	8.624				
11,200.00	7,888.97	10,879.30	7,755.00	97.45	94.47	-85.17	-2.35	-3,626.65	1,590.11	1,400.64	189.47	8.392				
11,300.00	7,888.97	10,979.30	7,755.00	99.96	97.04	-85.17	-1.92	-3,726.65	1,590.11	1,395.53	194.58	8.172				
11,400.00	7,888.97	11,079.30	7,755.00	102.48	99.62	-85.17	-1.48	-3,826.64	1,590.10	1,390.40	199.70	7.962				
11,500.00	7,888.97	11,179.30	7,755.00	105.01	102.20	-85.17	-1.04	-3,926.64	1,590.10	1,385.27	204.84	7.763				
11,600.00	7,888.97	11,279.30	7,755.00	107.54	104.79	-85.17	-0.61	-4,026.64	1,590.10	1,380.12	209.98	7.573				
11,700.00	7,888.97	11,379.30	7,755.00	110.09	107.39	-85.17	-0.17	-4,126.64	1,590.10	1,374.96	215.14	7.391				
11,800.00	7,888.97	11,479.30	7,755.00	112.64	109.99	-85.17	0.27	-4,226.64	1,590.10	1,369.79	220.31	7.218				
11,900.00	7,888.97	11,579.30	7,755.00	115.20	112.59	-85.17	0.70	-4,326.64	1,590.10	1,364.61	225.48	7.052				
12,000.00	7,888.97	11,679.30	7,755.00	117.76	115.20	-85.17	1.14	-4,426.64	1,590.09	1,359.43	230.67	6.893				
12,100.00	7,888.97	11,779.30	7,755.00	120.33	117.81	-85.17	1.58	-4,526.64	1,590.09	1,354.24	235.86	6.742				
12,200.00	7,888.97	11,879.30	7,755.00	122.91	120.42	-85.17	2.01	-4,626.64	1,590.09	1,349.03	241.06	6.596				
12,300.00	7,888.97	11,979.30	7,755.00	125.49	123.04	-85.17	2.45	-4,726.64	1,590.09	1,343.83	246.26	6.457				
12,400.00	7,888.97	12,079.30	7,755.00	128.07	125.66	-85.17	2.89	-4,826.63	1,590.09	1,338.61	251.48	6.323				
12,500.00	7,888.97	12,179.30	7,755.00	130.66	128.29	-85.17	3.32	-4,926.63	1,590.09	1,333.39	256.70	6.194				
12,600.00	7,888.97	12,279.30	7,755.00	133.26	130.91	-85.17	3.76	-5,026.63	1,590.09	1,328.17	261.92	6.071				
12,700.00	7,888.97	12,379.30	7,755.00	135.85	133.54	-85.17	4.20	-5,126.63	1,590.09	1,322.94	267.15	5.952				
12,800.00	7,888.97	12,479.30	7,755.00	138.45	136.17	-85.17	4.63	-5,226.63	1,590.09	1,317.70	272.39	5.838				
12,900.00	7,888.97	12,579.30	7,755.00	141.06	138.81	-85.17	5.07	-5,326.63	1,590.09	1,312.46	277.63	5.727				
13,000.00	7,888.97	12,679.30	7,755.00	143.66	141.44	-85.17	5.51	-5,426.63	1,590.09	1,307.22	282.87	5.621				
13,100.00	7,888.97	12,779.30	7,755.00	146.28	144.08	-85.17	5.94	-5,526.63	1,590.09	1,301.97	288.12	5.519				
13,151.03	7,888.97	12,830.33	7,755.00	147.61	145.43	-85.17	6.16	-5,577.65	1,590.09	1,299.29	290.80	5.468				
13,200.00	7,888.97	12,879.30	7,755.00	148.89	146.72	-85.17	6.38	-5,626.63	1,590.09	1,296.71	293.37	5.420				
13,300.00	7,888.97	12,979.30	7,754.99	151.50	149.36	-85.17	6.81	-5,726.63	1,590.09	1,291.46	298.63	5.325				
13,400.00	7,888.97	13,079.30	7,754.99	154.12	152.00	-85.17	7.25	-5,826.63	1,590.09	1,286.20	303.89	5.232				
13,500.00	7,888.97	13,179.30	7,754.99	156.74	154.65	-85.17	7.69	-5,926.62	1,590.09	1,280.93	309.15	5.143				
13,600.00	7,888.97	13,279.30	7,754.99	159.37	157.29	-85.17	8.12	-6,026.62	1,590.09	1,275.67	314.42	5.057				
13,700.00	7,888.97	13,379.30	7,754.99	161.99	159.94	-85.17	8.56	-6,126.62	1,590.09	1,270.40	319.69	4.974				
13,800.00	7,888.97	13,479.30	7,754.99	164.62	162.59	-85.17	9.00	-6,226.62	1,590.09	1,265.13	324.96	4.893				
13,900.00	7,888.97	13,579.30	7,754.99	167.25	165.24	-85.17	9.43	-6,326.62	1,590.09	1,259.85	330.24	4.815				

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,000.00	7,888.97	13,679.30	7,754.99	169.88	167.89	-85.17	9.87	-6,426.62	1,590.09	1,254.57	335.52	4.739		
14,100.00	7,888.97	13,779.30	7,754.99	172.52	170.55	-85.17	10.31	-6,526.62	1,590.09	1,249.29	340.80	4.666		
14,200.00	7,888.97	13,879.30	7,754.99	175.15	173.20	-85.17	10.74	-6,626.62	1,590.09	1,244.01	346.08	4.595		
14,300.00	7,888.97	13,979.30	7,754.99	177.79	175.86	-85.17	11.18	-6,726.62	1,590.10	1,238.73	351.37	4.525		
14,400.00	7,888.97	14,079.30	7,754.99	180.43	178.51	-85.17	11.62	-6,826.62	1,590.10	1,233.44	356.66	4.458		
14,500.00	7,888.97	14,179.30	7,754.99	183.07	181.17	-85.17	12.05	-6,926.61	1,590.10	1,228.15	361.95	4.393		
14,600.00	7,888.97	14,279.30	7,754.99	185.71	183.83	-85.17	12.49	-7,026.61	1,590.10	1,222.86	367.24	4.330		
14,700.00	7,888.97	14,379.30	7,754.99	188.35	186.49	-85.17	12.93	-7,126.61	1,590.10	1,217.57	372.54	4.268		
14,800.00	7,888.97	14,479.30	7,754.99	190.99	189.15	-85.17	13.36	-7,226.61	1,590.10	1,212.27	377.83	4.208		
14,900.00	7,888.97	14,579.30	7,754.99	193.64	191.81	-85.17	13.80	-7,326.61	1,590.11	1,206.98	383.13	4.150		
15,000.00	7,888.97	14,679.30	7,754.99	196.29	194.47	-85.17	14.24	-7,426.61	1,590.11	1,201.68	388.43	4.094		
15,100.00	7,888.97	14,779.30	7,754.99	198.93	197.13	-85.17	14.67	-7,526.61	1,590.11	1,196.38	393.73	4.039		
15,200.00	7,888.97	14,879.30	7,754.99	201.58	199.79	-85.17	15.11	-7,626.61	1,590.11	1,191.08	399.04	3.985		
15,300.00	7,888.97	14,979.30	7,754.99	204.23	202.46	-85.17	15.54	-7,726.61	1,590.12	1,185.78	404.34	3.933		
15,400.00	7,888.97	15,079.30	7,754.99	206.88	205.12	-85.17	15.98	-7,826.61	1,590.12	1,180.47	409.65	3.882		
15,500.00	7,888.98	15,179.30	7,754.99	209.54	207.79	-85.17	16.42	-7,926.61	1,590.12	1,175.17	414.95	3.832		
15,600.00	7,888.98	15,279.30	7,754.99	212.19	210.45	-85.17	16.85	-8,026.60	1,590.13	1,169.86	420.26	3.784		
15,700.00	7,888.98	15,379.30	7,754.99	214.84	213.12	-85.17	17.29	-8,126.60	1,590.13	1,164.55	425.57	3.736		
15,800.00	7,888.98	15,479.30	7,754.99	217.50	215.78	-85.17	17.73	-8,226.60	1,590.13	1,159.25	430.88	3.690		
15,900.00	7,888.98	15,579.30	7,754.99	220.15	218.45	-85.17	18.16	-8,326.60	1,590.13	1,153.94	436.20	3.645		
16,000.00	7,888.98	15,679.30	7,754.99	222.81	221.12	-85.17	18.60	-8,426.60	1,590.14	1,148.63	441.51	3.602		
16,100.00	7,888.98	15,779.30	7,754.99	225.47	223.79	-85.17	19.04	-8,526.60	1,590.14	1,143.32	446.83	3.559		
16,200.00	7,888.98	15,879.30	7,754.99	228.13	226.46	-85.17	19.47	-8,626.60	1,590.15	1,138.00	452.14	3.517		
16,300.00	7,888.98	15,979.30	7,754.99	230.78	229.13	-85.17	19.91	-8,726.60	1,590.15	1,132.69	457.46	3.476		
16,400.00	7,888.98	16,079.30	7,754.99	233.44	231.80	-85.17	20.35	-8,826.60	1,590.15	1,127.38	462.78	3.436		
16,500.00	7,888.98	16,179.30	7,754.99	236.10	234.47	-85.17	20.78	-8,926.60	1,590.16	1,122.06	468.10	3.397		
16,600.00	7,888.98	16,279.30	7,754.99	238.77	237.14	-85.17	21.22	-9,026.59	1,590.16	1,116.74	473.42	3.359		
16,700.00	7,888.98	16,379.30	7,754.99	241.43	239.81	-85.17	21.66	-9,126.59	1,590.17	1,111.43	478.74	3.322		
16,800.00	7,888.99	16,479.30	7,754.99	244.09	242.48	-85.17	22.09	-9,226.59	1,590.17	1,106.11	484.06	3.285		
16,900.00	7,888.99	16,579.30	7,754.99	246.75	245.15	-85.17	22.53	-9,326.59	1,590.17	1,100.79	489.38	3.249		
17,000.00	7,888.99	16,679.30	7,754.99	249.41	247.83	-85.17	22.97	-9,426.59	1,590.18	1,095.47	494.71	3.214		
17,100.00	7,888.99	16,779.30	7,754.99	252.08	250.50	-85.17	23.40	-9,526.59	1,590.18	1,090.15	500.03	3.180		
17,200.00	7,888.99	16,879.30	7,754.99	254.74	253.17	-85.17	23.84	-9,626.59	1,590.19	1,084.83	505.36	3.147		
17,300.00	7,888.99	16,979.30	7,754.99	257.41	255.84	-85.17	24.27	-9,726.59	1,590.19	1,079.51	510.68	3.114		
17,400.00	7,888.99	17,079.30	7,754.99	260.07	258.52	-85.17	24.71	-9,826.59	1,590.20	1,074.19	516.01	3.082		
17,500.00	7,888.99	17,179.30	7,754.99	262.74	261.19	-85.17	25.15	-9,926.59	1,590.20	1,068.87	521.33	3.050		
17,600.00	7,888.99	17,279.30	7,754.99	265.41	263.87	-85.17	25.58	-10,026.59	1,590.21	1,063.55	526.66	3.019		
17,700.00	7,889.00	17,379.30	7,754.99	268.07	266.54	-85.17	26.02	-10,126.58	1,590.22	1,058.22	531.99	2.989		
17,800.00	7,889.00	17,479.30	7,754.99	270.74	269.22	-85.17	26.46	-10,226.58	1,590.22	1,052.90	537.32	2.960		
17,900.00	7,889.00	17,579.30	7,754.99	273.41	271.89	-85.17	26.89	-10,326.58	1,590.23	1,047.58	542.65	2.930		
18,000.00	7,889.00	17,679.30	7,754.99	276.08	274.57	-85.17	27.33	-10,426.58	1,590.23	1,042.25	547.98	2.902		
18,089.93	7,889.00	17,769.35	7,755.00	278.48	276.98	-85.17	27.73	-10,516.63	1,590.23	1,037.45	552.78	2.877 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	89.99	0.00	36.56	36.56					
100.00	100.00	100.00	100.00	0.13	0.13	89.99	0.00	36.56	36.56	36.29	0.27	135.993		
200.00	200.00	200.00	200.00	0.49	0.49	89.99	0.00	36.56	36.56	35.58	0.99	37.089		
300.00	300.00	300.00	300.00	0.85	0.85	89.99	0.00	36.56	36.56	34.86	1.70	21.473		
400.00	400.00	400.00	400.00	1.21	1.21	89.99	0.00	36.56	36.56	34.14	2.42	15.110 CC		
500.00	499.98	500.02	499.98	1.57	1.57	101.96	0.00	36.56	36.88	33.75	3.14	11.761 ES		
600.00	599.84	600.16	599.84	1.93	1.93	109.60	0.00	36.56	38.31	34.46	3.85	9.939		
700.00	699.45	700.55	699.45	2.30	2.29	120.76	0.00	36.56	42.05	37.47	4.58	9.182		
800.00	798.70	801.30	798.70	2.67	2.65	132.84	0.00	36.56	49.43	44.12	5.31	9.303		
900.00	897.47	902.53	897.47	3.07	3.01	143.45	0.00	36.56	61.20	55.14	6.05	10.113		
1,000.00	995.62	1,004.38	995.62	3.49	3.38	151.70	0.00	36.56	77.43	70.64	6.79	11.400		
1,100.00	1,093.06	1,093.06	1,093.06	3.94	3.69	157.77	0.00	36.56	97.89	90.41	7.48	13.079		
1,123.07	1,115.42	1,115.20	1,115.20	4.05	3.77	158.93	-0.03	36.54	103.20	95.55	7.65	13.487		
1,200.00	1,189.91	1,188.22	1,188.21	4.42	4.02	162.70	-1.08	35.74	121.99	113.81	8.18	14.909		
1,300.00	1,286.74	1,281.97	1,281.85	4.92	4.33	167.08	-4.61	33.08	148.40	139.55	8.85	16.767		
1,400.00	1,383.57	1,375.67	1,375.27	5.42	4.65	170.92	-10.33	28.76	176.99	167.48	9.52	18.594		
1,500.00	1,480.40	1,470.77	1,470.05	5.93	4.98	173.86	-16.53	24.08	206.45	196.24	10.20	20.230		
1,600.00	1,577.24	1,565.87	1,564.84	6.45	5.31	176.06	-22.73	19.40	236.27	225.37	10.90	21.680		
1,700.00	1,674.07	1,660.97	1,659.62	6.97	5.64	177.78	-28.93	14.72	266.35	254.75	11.60	22.965		
1,800.00	1,770.90	1,756.07	1,754.40	7.49	5.98	179.14	-35.13	10.05	296.59	284.29	12.30	24.108		
1,900.00	1,867.73	1,851.17	1,849.19	8.02	6.33	-179.75	-41.32	5.37	326.97	313.96	13.01	25.129		
2,000.00	1,964.56	1,946.27	1,943.97	8.54	6.67	-178.82	-47.52	0.69	357.43	343.71	13.72	26.045		
2,100.00	2,061.39	2,041.38	2,038.75	9.07	7.02	-178.04	-53.72	-3.99	387.97	373.53	14.44	26.869		
2,200.00	2,158.23	2,136.48	2,133.54	9.61	7.37	-177.38	-59.92	-8.67	418.56	403.41	15.16	27.615		
2,300.00	2,255.06	2,231.58	2,228.32	10.14	7.72	-176.80	-66.12	-13.34	449.20	433.32	15.88	28.292		
2,400.00	2,351.89	2,326.68	2,323.10	10.67	8.08	-176.30	-72.31	-18.02	479.88	463.28	16.60	28.909		
2,500.00	2,448.72	2,421.78	2,417.89	11.21	8.43	-175.86	-78.51	-22.70	510.58	493.26	17.32	29.474		
2,600.00	2,545.55	2,516.88	2,512.67	11.74	8.78	-175.47	-84.71	-27.38	541.31	523.26	18.05	29.992		
2,700.00	2,642.38	2,611.98	2,607.45	12.28	9.14	-175.12	-90.91	-32.06	572.05	553.28	18.77	30.469		
2,800.00	2,739.22	2,707.08	2,702.23	12.82	9.50	-174.80	-97.10	-36.73	602.82	583.32	19.50	30.910		
2,900.00	2,836.05	2,802.18	2,797.02	13.35	9.86	-174.52	-103.30	-41.41	633.60	613.37	20.23	31.318		
3,000.00	2,932.88	2,902.72	2,891.80	13.89	10.23	-174.26	-109.50	-46.09	664.39	643.41	20.98	31.666		
3,100.00	3,029.71	3,007.62	2,996.58	14.43	10.63	-174.03	-115.70	-50.77	695.20	673.45	21.75	31.967		
3,200.00	3,126.54	3,087.48	3,081.37	14.97	10.93	-173.82	-121.90	-55.45	726.01	703.59	22.42	32.378		
3,300.00	3,223.37	3,182.58	3,176.15	15.51	11.29	-173.62	-128.09	-60.13	756.83	733.68	23.15	32.685		
3,400.00	3,320.21	3,277.68	3,270.93	16.05	11.65	-173.44	-134.29	-64.80	787.66	763.77	23.89	32.974		
3,500.00	3,417.04	3,372.78	3,365.72	16.59	12.02	-173.27	-140.49	-69.48	818.50	793.87	24.62	33.244		
3,600.00	3,513.87	3,467.88	3,460.50	17.13	12.38	-173.11	-146.69	-74.16	849.34	823.98	25.35	33.498		
3,700.00	3,610.70	3,562.99	3,555.28	17.67	12.74	-172.97	-152.88	-78.84	880.18	854.10	26.09	33.738		
3,800.00	3,707.53	3,658.09	3,650.07	18.21	13.10	-172.83	-159.08	-83.52	911.04	884.21	26.82	33.964		
3,900.00	3,804.36	3,753.19	3,744.85	18.75	13.46	-172.71	-165.28	-88.19	941.89	914.33	27.56	34.177		
4,000.00	3,901.19	3,848.29	3,839.63	19.29	13.83	-172.59	-171.48	-92.87	972.75	944.46	28.29	34.379		
4,100.00	3,998.03	3,943.39	3,934.42	19.83	14.19	-172.48	-177.68	-97.55	1,003.62	974.59	29.03	34.571		
4,200.00	4,094.86	4,038.49	4,029.20	20.37	14.55	-172.37	-183.87	-102.23	1,034.48	1,004.72	29.77	34.753		
4,300.00	4,191.69	4,133.59	4,123.98	20.91	14.92	-172.27	-190.07	-106.91	1,065.35	1,034.85	30.50	34.925		
4,400.00	4,288.52	4,228.69	4,218.76	21.45	15.28	-172.18	-196.27	-111.58	1,096.23	1,064.98	31.24	35.089		
4,500.00	4,385.35	4,323.79	4,313.55	21.99	15.64	-172.09	-202.47	-116.26	1,127.10	1,095.12	31.98	35.246		
4,600.00	4,482.18	4,418.89	4,408.33	22.54	16.01	-172.01	-208.66	-120.94	1,157.98	1,125.26	32.72	35.395		
4,700.00	4,579.02	4,513.99	4,503.11	23.08	16.37	-171.93	-214.86	-125.62	1,188.86	1,155.40	33.45	35.537		
4,800.00	4,675.85	4,609.09	4,597.90	23.62	16.73	-171.86	-221.06	-130.30	1,219.74	1,185.55	34.19	35.673		
4,900.00	4,772.68	4,704.19	4,692.68	24.16	17.10	-171.79	-227.26	-134.97	1,250.62	1,215.69	34.93	35.803		
5,000.00	4,869.51	4,800.71	4,787.46	24.70	17.47	-171.72	-233.46	-139.65	1,281.50	1,245.83	35.67	35.922		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,100.00	4,966.34	4,894.39	4,882.25	25.24	17.83	-171.66	-239.65	-144.33	1,312.39	1,275.98	36.41	36.046		
5,200.00	5,063.17	4,989.50	4,977.03	25.79	18.19	-171.59	-245.85	-149.01	1,343.28	1,306.13	37.15	36.161		
5,300.00	5,160.01	5,084.60	5,071.81	26.33	18.56	-171.54	-252.05	-153.69	1,374.17	1,336.28	37.89	36.270		
5,400.00	5,256.84	5,179.70	5,166.60	26.87	18.92	-171.48	-258.25	-158.36	1,405.06	1,366.43	38.63	36.375		
5,500.00	5,353.67	5,274.80	5,261.38	27.41	19.29	-171.43	-264.44	-163.04	1,435.95	1,396.58	39.37	36.476		
5,600.00	5,450.50	5,369.90	5,356.16	27.96	19.65	-171.37	-270.64	-167.72	1,466.84	1,426.73	40.11	36.574		
5,700.00	5,547.33	5,465.00	5,450.94	28.50	20.02	-171.32	-276.84	-172.40	1,497.73	1,456.89	40.85	36.667		
5,800.00	5,644.16	5,560.10	5,545.73	29.04	20.38	-171.28	-283.04	-177.08	1,528.63	1,487.04	41.59	36.757		
5,900.00	5,741.00	5,655.20	5,640.51	29.58	20.75	-171.23	-289.24	-181.76	1,559.52	1,517.20	42.33	36.844		
6,000.00	5,837.83	5,750.30	5,735.29	30.12	21.11	-171.19	-295.43	-186.43	1,590.42	1,547.35	43.07	36.927		
6,100.00	5,934.66	5,845.40	5,830.08	30.67	21.48	-171.15	-301.63	-191.11	1,621.32	1,577.51	43.81	37.008		
6,200.00	6,031.49	5,940.50	5,924.86	31.21	21.85	-171.11	-307.83	-195.79	1,652.21	1,607.66	44.55	37.086		
6,300.00	6,128.32	6,035.60	6,019.64	31.75	22.21	-171.07	-314.03	-200.47	1,683.11	1,637.82	45.29	37.161		
6,400.00	6,225.15	6,130.70	6,114.43	32.29	22.58	-171.03	-320.22	-205.15	1,714.01	1,667.98	46.03	37.234		
6,500.00	6,321.99	6,225.80	6,209.21	32.84	22.94	-170.99	-326.42	-209.82	1,744.91	1,698.14	46.78	37.304		
6,600.00	6,418.82	6,320.90	6,303.99	33.38	23.31	-170.96	-332.62	-214.50	1,775.81	1,728.29	47.52	37.372		
6,700.00	6,515.65	6,416.00	6,398.78	33.92	23.67	-170.92	-338.82	-219.18	1,806.71	1,758.45	48.26	37.437		
6,756.73	6,570.58	6,469.96	6,452.55	34.23	23.88	-170.91	-342.33	-221.83	1,824.24	1,775.56	48.68	37.473		
6,800.00	6,612.56	6,511.20	6,493.66	34.46	24.04	-170.93	-345.02	-223.86	1,837.31	1,788.30	49.00	37.495		
6,900.00	6,710.15	6,607.24	6,589.37	34.97	24.41	-170.98	-351.28	-228.59	1,865.13	1,815.39	49.74	37.498		
7,000.00	6,808.44	6,704.16	6,685.97	35.43	24.78	-170.99	-357.60	-233.35	1,889.64	1,839.16	50.47	37.438		
7,100.00	6,907.31	6,801.86	6,783.34	35.85	25.16	-170.98	-363.96	-238.16	1,910.79	1,859.58	51.20	37.318		
7,200.00	7,006.64	6,900.21	6,881.37	36.23	25.54	-170.94	-370.37	-243.00	1,928.56	1,876.63	51.92	37.141		
7,300.00	7,106.32	7,000.90	6,979.93	36.57	25.93	-170.88	-376.82	-247.86	1,942.93	1,890.29	52.65	36.906		
7,400.00	7,206.21	7,098.41	7,078.90	36.87	26.30	-170.79	-383.29	-252.75	1,953.90	1,900.56	53.34	36.628		
7,479.80	7,286.00	7,249.21	7,229.40	37.07	26.86	-179.95	-390.75	-258.38	1,959.12	1,904.74	54.38	36.028		
7,499.99	7,306.18	7,293.69	7,273.86	37.12	27.02	-179.93	-391.76	-259.14	1,959.58	1,904.91	54.66	35.847		
7,509.80	7,316.00	7,315.34	7,295.51	37.15	27.10	-179.92	-392.05	-259.36	1,959.71	1,904.91	54.80	35.762		
7,550.00	7,356.16	7,376.00	7,356.16	37.25	27.30	-90.20	-392.25	-259.51	1,959.80	1,904.63	55.17	35.521		
7,600.00	7,405.83	7,426.55	7,406.67	37.38	27.47	-90.32	-392.24	-261.17	1,959.82	1,904.31	55.51	35.303		
7,650.00	7,454.80	7,477.56	7,457.29	37.51	27.66	-90.44	-392.21	-267.32	1,959.85	1,903.97	55.88	35.071		
7,700.00	7,502.72	7,528.94	7,507.53	37.65	27.86	-90.55	-392.17	-278.03	1,959.88	1,903.61	56.28	34.826		
7,750.00	7,549.22	7,580.69	7,556.95	37.80	28.07	-90.66	-392.10	-293.33	1,959.92	1,903.22	56.70	34.569		
7,800.00	7,593.95	7,632.80	7,605.11	37.95	28.30	-90.77	-392.01	-313.17	1,959.96	1,902.82	57.14	34.298		
7,850.00	7,636.56	7,685.26	7,651.58	38.11	28.53	-90.87	-391.91	-337.48	1,960.01	1,902.38	57.63	34.012		
7,900.00	7,676.73	7,738.06	7,695.90	38.28	28.78	-90.96	-391.78	-366.13	1,960.06	1,901.91	58.15	33.706		
7,950.00	7,714.16	7,791.17	7,737.64	38.45	29.05	-91.05	-391.64	-398.94	1,960.11	1,901.39	58.72	33.379		
8,000.00	7,748.55	7,844.57	7,776.36	38.63	29.35	-91.12	-391.48	-435.69	1,960.16	1,900.80	59.35	33.024		
8,050.00	7,779.66	7,898.24	7,811.66	38.82	29.67	-91.19	-391.30	-476.09	1,960.20	1,900.15	60.06	32.640		
8,100.00	7,807.24	7,952.14	7,843.16	39.03	30.04	-91.25	-391.11	-519.81	1,960.24	1,899.41	60.84	32.221		
8,150.00	7,831.08	8,006.24	7,870.50	39.26	30.45	-91.30	-390.91	-566.47	1,960.28	1,898.57	61.71	31.769		
8,200.00	7,850.99	8,060.50	7,893.38	39.50	30.92	-91.34	-390.69	-615.64	1,960.30	1,897.63	62.68	31.276		
8,250.00	7,866.84	8,114.89	7,911.54	39.78	31.45	-91.36	-390.47	-666.88	1,960.32	1,896.58	63.74	30.755		
8,300.00	7,878.50	8,169.35	7,924.79	40.08	32.02	-91.38	-390.24	-719.69	1,960.33	1,895.44	64.90	30.207		
8,350.00	7,885.88	8,223.85	7,932.96	40.42	32.65	-91.38	-390.00	-773.55	1,960.33	1,894.20	66.14	29.641		
8,400.00	7,888.92	8,278.34	7,935.98	40.79	33.32	-91.38	-389.76	-827.94	1,960.32	1,892.88	67.44	29.066		
8,409.88	7,889.00	8,288.59	7,936.00	40.87	33.45	-91.37	-389.72	-838.19	1,960.32	1,892.62	67.70	28.955		
8,500.00	7,889.00	8,378.71	7,936.00	41.64	34.68	-91.37	-389.33	-928.31	1,960.32	1,890.16	70.16	27.941		
8,600.00	7,889.00	8,478.71	7,936.00	42.65	36.19	-91.37	-388.89	-1,028.31	1,960.31	1,887.16	73.15	26.798		
8,700.00	7,889.00	8,578.71	7,936.00	43.81	37.83	-91.37	-388.45	-1,128.31	1,960.31	1,883.90	76.41	25.657		
8,800.00	7,889.00	8,678.71	7,935.99	45.13	39.58	-91.37	-388.02	-1,228.31	1,960.30	1,880.41	79.89	24.538		
8,900.00	7,888.99	8,778.71	7,935.99	46.58	41.44	-91.37	-387.58	-1,328.31	1,960.29	1,876.72	83.57	23.456		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
9,000.00	7,888.99	8,878.71	7,935.99	48.17	43.39	-91.37	-387.14	-1,428.31	1,960.29	1,872.85	87.44	22.420		
9,100.00	7,888.99	8,978.71	7,935.99	49.86	45.41	-91.37	-386.71	-1,528.31	1,960.29	1,868.84	91.45	21.436		
9,200.00	7,888.99	9,078.71	7,935.99	51.66	47.51	-91.37	-386.27	-1,628.30	1,960.28	1,864.68	95.60	20.505		
9,300.00	7,888.99	9,178.71	7,935.99	53.55	49.65	-91.37	-385.83	-1,728.30	1,960.28	1,860.41	99.86	19.630		
9,400.00	7,888.99	9,278.71	7,935.99	55.51	51.86	-91.37	-385.40	-1,828.30	1,960.27	1,856.04	104.23	18.807		
9,500.00	7,888.99	9,378.71	7,935.98	57.54	54.10	-91.37	-384.96	-1,928.30	1,960.27	1,851.58	108.69	18.035		
9,600.00	7,888.99	9,478.71	7,935.98	59.63	56.38	-91.37	-384.52	-2,028.30	1,960.26	1,847.03	113.23	17.312		
9,700.00	7,888.99	9,578.71	7,935.98	61.77	58.70	-91.37	-384.09	-2,128.30	1,960.26	1,842.42	117.84	16.635		
9,800.00	7,888.98	9,678.71	7,935.98	63.96	61.05	-91.37	-383.65	-2,228.30	1,960.25	1,837.74	122.51	16.000		
9,900.00	7,888.98	9,778.71	7,935.98	66.19	63.43	-91.37	-383.21	-2,328.30	1,960.25	1,833.01	127.24	15.406		
10,000.00	7,888.98	9,878.71	7,935.98	68.46	65.83	-91.37	-382.78	-2,428.30	1,960.25	1,828.23	132.02	14.848		
10,100.00	7,888.98	9,978.71	7,935.98	70.76	68.25	-91.37	-382.34	-2,528.30	1,960.24	1,823.40	136.84	14.325		
10,200.00	7,888.98	10,078.71	7,935.97	73.08	70.70	-91.37	-381.91	-2,628.30	1,960.24	1,818.54	141.70	13.833		
10,300.00	7,888.98	10,178.71	7,935.97	75.44	73.16	-91.37	-381.47	-2,728.29	1,960.24	1,813.63	146.60	13.371		
10,400.00	7,888.98	10,278.71	7,935.97	77.81	75.63	-91.37	-381.03	-2,828.29	1,960.23	1,808.70	151.53	12.936		
10,500.00	7,888.98	10,378.71	7,935.97	80.21	78.12	-91.37	-380.60	-2,928.29	1,960.23	1,803.74	156.49	12.526		
10,600.00	7,888.98	10,478.71	7,935.97	82.63	80.62	-91.37	-380.16	-3,028.29	1,960.23	1,798.75	161.48	12.139		
10,700.00	7,888.98	10,578.71	7,935.97	85.06	83.14	-91.37	-379.72	-3,128.29	1,960.22	1,793.73	166.49	11.774		
10,800.00	7,888.98	10,678.71	7,935.97	87.51	85.66	-91.37	-379.29	-3,228.29	1,960.22	1,788.69	171.53	11.428		
10,900.00	7,888.98	10,778.71	7,935.96	89.98	88.20	-91.37	-378.85	-3,328.29	1,960.22	1,783.64	176.58	11.101		
11,000.00	7,888.98	10,878.71	7,935.96	92.46	90.74	-91.37	-378.41	-3,428.29	1,960.21	1,778.56	181.65	10.791		
11,100.00	7,888.97	10,978.71	7,935.96	94.95	93.29	-91.37	-377.98	-3,528.29	1,960.21	1,773.47	186.74	10.497		
11,200.00	7,888.97	11,078.71	7,935.96	97.45	95.85	-91.37	-377.54	-3,628.29	1,960.21	1,768.36	191.85	10.218		
11,300.00	7,888.97	11,178.71	7,935.96	99.96	98.42	-91.37	-377.10	-3,728.28	1,960.21	1,763.24	196.97	9.952		
11,400.00	7,888.97	11,278.71	7,935.96	102.48	100.99	-91.37	-376.67	-3,828.28	1,960.21	1,758.10	202.10	9.699		
11,500.00	7,888.97	11,378.71	7,935.95	105.01	103.57	-91.37	-376.23	-3,928.28	1,960.20	1,752.96	207.25	9.458		
11,600.00	7,888.97	11,478.71	7,935.95	107.54	106.15	-91.37	-375.79	-4,028.28	1,960.20	1,747.80	212.40	9.229		
11,700.00	7,888.97	11,578.71	7,935.95	110.09	108.74	-91.37	-375.36	-4,128.28	1,960.20	1,742.63	217.57	9.009		
11,800.00	7,888.97	11,678.71	7,935.95	112.64	111.34	-91.37	-374.92	-4,228.28	1,960.20	1,737.45	222.75	8.800		
11,900.00	7,888.97	11,778.71	7,935.95	115.20	113.94	-91.37	-374.48	-4,328.28	1,960.20	1,732.26	227.94	8.600		
12,000.00	7,888.97	11,878.71	7,935.95	117.76	116.54	-91.37	-374.05	-4,428.28	1,960.19	1,727.06	233.13	8.408		
12,100.00	7,888.97	11,978.71	7,935.95	120.33	119.15	-91.37	-373.61	-4,528.28	1,960.19	1,721.85	238.34	8.224		
12,200.00	7,888.97	12,078.71	7,935.94	122.91	121.76	-91.37	-373.17	-4,628.28	1,960.19	1,716.64	243.55	8.048		
12,300.00	7,888.97	12,178.71	7,935.94	125.49	124.37	-91.37	-372.74	-4,728.28	1,960.19	1,711.42	248.77	7.880		
12,400.00	7,888.97	12,278.71	7,935.94	128.07	126.99	-91.37	-372.30	-4,828.27	1,960.19	1,706.20	253.99	7.717		
12,500.00	7,888.97	12,378.71	7,935.94	130.66	129.61	-91.37	-371.86	-4,928.27	1,960.19	1,700.96	259.23	7.562		
12,600.00	7,888.97	12,478.71	7,935.94	133.26	132.23	-91.37	-371.43	-5,028.27	1,960.19	1,695.72	264.46	7.412		
12,700.00	7,888.97	12,578.71	7,935.94	135.85	134.86	-91.37	-370.99	-5,128.27	1,960.19	1,690.48	269.71	7.268		
12,800.00	7,888.97	12,678.71	7,935.94	138.45	137.48	-91.37	-370.55	-5,228.27	1,960.19	1,685.23	274.96	7.129		
12,900.00	7,888.97	12,778.71	7,935.93	141.06	140.11	-91.37	-370.12	-5,328.27	1,960.19	1,679.98	280.21	6.995		
13,000.00	7,888.97	12,878.71	7,935.93	143.66	142.75	-91.37	-369.68	-5,428.27	1,960.19	1,674.72	285.47	6.867		
13,100.00	7,888.97	12,978.71	7,935.93	146.28	145.38	-91.37	-369.25	-5,528.27	1,960.19	1,669.46	290.73	6.742		
13,199.88	7,888.97	13,078.59	7,935.93	148.89	148.01	-91.37	-368.81	-5,628.14	1,960.19	1,664.20	295.99	6.623		
13,200.00	7,888.97	13,078.71	7,935.93	148.89	148.02	-91.37	-368.81	-5,628.27	1,960.19	1,664.19	296.00	6.622		
13,300.00	7,888.97	13,178.71	7,935.93	151.50	150.66	-91.37	-368.37	-5,728.27	1,960.19	1,658.92	301.27	6.507		
13,400.00	7,888.97	13,278.71	7,935.93	154.12	153.30	-91.37	-367.94	-5,828.26	1,960.19	1,653.65	306.54	6.395		
13,500.00	7,888.97	13,378.71	7,935.93	156.74	155.94	-91.37	-367.50	-5,928.26	1,960.19	1,648.37	311.82	6.286		
13,600.00	7,888.97	13,478.71	7,935.92	159.37	158.58	-91.37	-367.06	-6,028.26	1,960.19	1,643.09	317.10	6.182		
13,700.00	7,888.97	13,578.71	7,935.92	161.99	161.23	-91.37	-366.63	-6,128.26	1,960.19	1,637.80	322.38	6.080		
13,800.00	7,888.97	13,678.71	7,935.92	164.62	163.87	-91.37	-366.19	-6,228.26	1,960.19	1,632.52	327.67	5.982		
13,900.00	7,888.97	13,778.71	7,935.92	167.25	166.52	-91.37	-365.75	-6,328.26	1,960.19	1,627.23	332.96	5.887		
14,000.00	7,888.97	13,878.71	7,935.92	169.88	169.17	-91.37	-365.32	-6,428.26	1,960.19	1,621.94	338.25	5.795		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
14,100.00	7,888.97	13,978.71	7,935.92	172.52	171.82	-91.37	-364.88	-6,528.26	1,960.19	1,616.64	343.55	5.706		
14,200.00	7,888.97	14,078.71	7,935.92	175.15	174.47	-91.37	-364.44	-6,628.26	1,960.19	1,611.34	348.85	5.619		
14,300.00	7,888.97	14,178.71	7,935.91	177.79	177.12	-91.37	-364.01	-6,728.26	1,960.19	1,606.05	354.15	5.535		
14,400.00	7,888.97	14,278.71	7,935.91	180.43	179.78	-91.37	-363.57	-6,828.26	1,960.20	1,600.74	359.45	5.453		
14,500.00	7,888.97	14,378.71	7,935.91	183.07	182.43	-91.37	-363.13	-6,928.25	1,960.20	1,595.44	364.76	5.374		
14,600.00	7,888.97	14,478.71	7,935.91	185.71	185.09	-91.37	-362.70	-7,028.25	1,960.20	1,590.13	370.06	5.297		
14,700.00	7,888.97	14,578.71	7,935.91	188.35	187.75	-91.37	-362.26	-7,128.25	1,960.20	1,584.83	375.37	5.222		
14,800.00	7,888.97	14,678.71	7,935.91	190.99	190.40	-91.37	-361.82	-7,228.25	1,960.20	1,579.52	380.69	5.149		
14,900.00	7,888.97	14,778.71	7,935.91	193.64	193.06	-91.37	-361.39	-7,328.25	1,960.20	1,574.21	386.00	5.078		
15,000.00	7,888.97	14,878.71	7,935.90	196.29	195.72	-91.37	-360.95	-7,428.25	1,960.21	1,568.89	391.31	5.009		
15,100.00	7,888.97	14,978.71	7,935.90	198.93	198.38	-91.37	-360.51	-7,528.25	1,960.21	1,563.58	396.63	4.942		
15,200.00	7,888.97	15,078.71	7,935.90	201.58	201.04	-91.37	-360.08	-7,628.25	1,960.21	1,558.26	401.95	4.877		
15,300.00	7,888.97	15,178.71	7,935.90	204.23	203.71	-91.37	-359.64	-7,728.25	1,960.21	1,552.95	407.27	4.813		
15,400.00	7,888.97	15,278.71	7,935.90	206.88	206.37	-91.37	-359.20	-7,828.25	1,960.22	1,547.63	412.59	4.751		
15,500.00	7,888.98	15,378.71	7,935.90	209.54	209.03	-91.37	-358.77	-7,928.24	1,960.22	1,542.31	417.91	4.691		
15,600.00	7,888.98	15,478.71	7,935.90	212.19	211.70	-91.37	-358.33	-8,028.24	1,960.22	1,536.99	423.24	4.632		
15,700.00	7,888.98	15,578.71	7,935.89	214.84	214.36	-91.37	-357.89	-8,128.24	1,960.22	1,531.66	428.56	4.574		
15,800.00	7,888.98	15,678.71	7,935.89	217.50	217.03	-91.37	-357.46	-8,228.24	1,960.23	1,526.34	433.89	4.518		
15,900.00	7,888.98	15,778.71	7,935.89	220.15	219.69	-91.37	-357.02	-8,328.24	1,960.23	1,521.01	439.22	4.463		
16,000.00	7,888.98	15,878.71	7,935.89	222.81	222.36	-91.37	-356.59	-8,428.24	1,960.23	1,515.69	444.55	4.410		
16,100.00	7,888.98	15,978.71	7,935.89	225.47	225.03	-91.37	-356.15	-8,528.24	1,960.24	1,510.36	449.88	4.357		
16,200.00	7,888.98	16,078.71	7,935.89	228.13	227.69	-91.37	-355.71	-8,628.24	1,960.24	1,505.03	455.21	4.306		
16,300.00	7,888.98	16,178.71	7,935.88	230.78	230.36	-91.37	-355.28	-8,728.24	1,960.24	1,499.70	460.54	4.256		
16,400.00	7,888.98	16,278.71	7,935.88	233.44	233.03	-91.37	-354.84	-8,828.24	1,960.25	1,494.37	465.87	4.208		
16,500.00	7,888.98	16,378.71	7,935.88	236.10	235.70	-91.37	-354.40	-8,928.24	1,960.25	1,489.04	471.21	4.160		
16,600.00	7,888.98	16,478.71	7,935.88	238.77	238.37	-91.37	-353.97	-9,028.23	1,960.26	1,483.71	476.55	4.113		
16,700.00	7,888.98	16,578.71	7,935.88	241.43	241.04	-91.37	-353.53	-9,128.23	1,960.26	1,478.38	481.88	4.068		
16,800.00	7,888.99	16,678.71	7,935.88	244.09	243.71	-91.37	-353.09	-9,228.23	1,960.26	1,473.04	487.22	4.023		
16,900.00	7,888.99	16,778.71	7,935.88	246.75	246.38	-91.37	-352.66	-9,328.23	1,960.27	1,467.71	492.56	3.980		
17,000.00	7,888.99	16,878.71	7,935.87	249.41	249.05	-91.37	-352.22	-9,428.23	1,960.27	1,462.38	497.90	3.937		
17,100.00	7,888.99	16,978.71	7,935.87	252.08	251.72	-91.37	-351.78	-9,528.23	1,960.28	1,457.04	503.24	3.895		
17,200.00	7,888.99	17,078.71	7,935.87	254.74	254.39	-91.37	-351.35	-9,628.23	1,960.28	1,451.70	508.58	3.854		
17,300.00	7,888.99	17,178.71	7,935.87	257.41	257.07	-91.37	-350.91	-9,728.23	1,960.29	1,446.37	513.92	3.814		
17,400.00	7,888.99	17,278.71	7,935.87	260.07	259.74	-91.37	-350.47	-9,828.23	1,960.29	1,441.03	519.26	3.775		
17,500.00	7,888.99	17,378.71	7,935.87	262.74	262.41	-91.37	-350.04	-9,928.23	1,960.30	1,435.69	524.61	3.737		
17,600.00	7,888.99	17,478.71	7,935.87	265.41	265.09	-91.37	-349.60	-10,028.22	1,960.30	1,430.35	529.95	3.699		
17,700.00	7,889.00	17,578.71	7,935.86	268.07	267.76	-91.37	-349.16	-10,128.22	1,960.31	1,425.01	535.30	3.662		
17,800.00	7,889.00	17,678.71	7,935.86	270.74	270.43	-91.37	-348.73	-10,228.22	1,960.31	1,419.67	540.64	3.626		
17,900.00	7,889.00	17,778.71	7,935.86	273.41	273.11	-91.37	-348.29	-10,328.22	1,960.32	1,414.33	545.99	3.590		
18,000.00	7,889.00	17,878.71	7,935.86	276.08	275.78	-91.37	-347.85	-10,428.22	1,960.32	1,408.99	551.33	3.556		
18,089.93	7,889.00	17,968.20	7,936.00	278.48	278.18	-91.37	-347.48	-10,517.71	1,960.35	1,404.22	556.13	3.525 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	53.44	53.44					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	53.44	53.44	53.17	0.27	198.760		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	53.44	53.44	52.45	0.99	54.207		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	53.44	53.44	51.73	1.70	31.383		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	53.44	53.44	51.02	2.42	22.084 CC		
500.00	499.98	500.02	499.98	1.57	1.57	101.13	0.00	53.44	53.75	50.61	3.14	17.138 ES		
600.00	599.84	600.16	599.84	1.93	1.93	106.45	0.00	53.44	55.00	51.14	3.85	14.268		
700.00	699.45	700.55	699.45	2.30	2.29	114.64	0.00	53.44	58.08	53.50	4.58	12.680		
800.00	798.70	801.30	798.70	2.67	2.65	124.44	0.00	53.44	64.14	58.83	5.31	12.068		
900.00	897.47	897.47	897.47	3.07	2.99	134.25	0.00	53.44	74.17	68.13	6.04	12.281		
1,000.00	995.62	994.47	994.45	3.49	3.33	143.72	-1.45	52.86	89.25	82.50	6.75	13.220		
1,100.00	1,093.06	1,089.25	1,089.12	3.94	3.64	152.51	-5.81	51.13	110.85	103.41	7.44	14.905		
1,123.07	1,115.42	1,110.75	1,110.56	4.05	3.71	154.34	-7.20	50.58	116.82	109.22	7.60	15.377		
1,200.00	1,189.91	1,181.64	1,181.18	4.42	3.95	159.82	-12.86	48.34	138.50	130.40	8.10	17.089		
1,300.00	1,286.74	1,272.09	1,271.04	4.92	4.27	165.43	-22.43	44.54	169.89	161.14	8.75	19.415		
1,400.00	1,383.57	1,363.60	1,361.67	5.42	4.60	169.82	-34.22	39.87	204.15	194.75	9.41	21.699		
1,500.00	1,480.40	1,456.46	1,453.61	5.93	4.94	173.04	-46.35	35.06	239.36	229.27	10.09	23.731		
1,600.00	1,577.24	1,549.32	1,545.55	6.45	5.30	175.44	-58.49	30.25	275.07	264.30	10.77	25.536		
1,700.00	1,674.07	1,642.18	1,637.49	6.97	5.66	177.29	-70.62	25.44	311.10	299.64	11.46	27.138		
1,800.00	1,770.90	1,735.04	1,729.42	7.49	6.03	178.76	-82.75	20.63	347.37	335.20	12.16	28.564		
1,900.00	1,867.73	1,827.90	1,821.36	8.02	6.40	179.96	-94.88	15.81	383.79	370.93	12.86	29.839		
2,000.00	1,964.56	1,920.76	1,913.30	8.54	6.77	-179.06	-107.01	11.00	420.33	406.77	13.57	30.983		
2,100.00	2,061.39	2,013.62	2,005.24	9.07	7.15	-178.23	-119.14	6.19	456.97	442.69	14.27	32.013		
2,200.00	2,158.23	2,106.48	2,097.18	9.61	7.53	-177.52	-131.27	1.38	493.67	478.69	14.98	32.945		
2,300.00	2,255.06	2,200.66	2,189.12	10.14	7.92	-176.91	-143.41	-3.43	530.43	514.73	15.70	33.781		
2,400.00	2,351.89	2,307.80	2,281.05	10.67	8.36	-176.38	-155.54	-8.24	567.24	550.77	16.47	34.440		
2,500.00	2,448.72	2,385.06	2,372.99	11.21	8.68	-175.92	-167.67	-13.05	604.08	586.95	17.13	35.269		
2,600.00	2,545.55	2,477.92	2,464.93	11.74	9.07	-175.51	-179.80	-17.86	640.96	623.11	17.85	35.916		
2,700.00	2,642.38	2,570.78	2,556.87	12.28	9.46	-175.14	-191.93	-22.67	677.86	659.29	18.56	36.513		
2,800.00	2,739.22	2,663.64	2,648.81	12.82	9.85	-174.81	-204.06	-27.48	714.78	695.49	19.28	37.064		
2,900.00	2,836.05	2,756.50	2,740.75	13.35	10.24	-174.51	-216.19	-32.29	751.72	731.71	20.01	37.574		
3,000.00	2,932.88	2,849.36	2,832.68	13.89	10.63	-174.24	-228.33	-37.10	788.67	767.94	20.73	38.048		
3,100.00	3,029.71	2,942.22	2,924.62	14.43	11.02	-174.00	-240.46	-41.91	825.64	804.19	21.45	38.489		
3,200.00	3,126.54	3,035.08	3,016.56	14.97	11.41	-173.77	-252.59	-46.72	862.62	840.45	22.18	38.900		
3,300.00	3,223.37	3,127.94	3,108.50	15.51	11.81	-173.57	-264.72	-51.53	899.61	876.71	22.90	39.285		
3,400.00	3,320.21	3,220.80	3,200.44	16.05	12.20	-173.38	-276.85	-56.34	936.61	912.99	23.62	39.645		
3,500.00	3,417.04	3,313.66	3,292.38	16.59	12.60	-173.20	-288.98	-61.15	973.62	949.27	24.35	39.983		
3,600.00	3,513.87	3,406.52	3,384.31	17.13	12.99	-173.04	-301.11	-65.96	1,010.64	985.56	25.08	40.301		
3,700.00	3,610.70	3,500.62	3,476.25	17.67	13.39	-172.89	-313.24	-70.77	1,047.66	1,021.85	25.81	40.593		
3,800.00	3,707.53	3,607.76	3,586.19	18.21	13.85	-172.75	-325.38	-75.58	1,084.69	1,058.10	26.59	40.793		
3,900.00	3,804.36	3,685.10	3,660.13	18.75	14.18	-172.62	-337.51	-80.39	1,121.73	1,094.47	27.26	41.150		
4,000.00	3,901.19	3,777.96	3,752.07	19.29	14.58	-172.50	-349.64	-85.20	1,158.76	1,130.78	27.99	41.403		
4,100.00	3,998.03	3,870.82	3,844.01	19.83	14.98	-172.38	-361.77	-90.01	1,195.81	1,167.09	28.72	41.642		
4,200.00	4,094.86	3,963.68	3,935.94	20.37	15.37	-172.27	-373.90	-94.82	1,232.85	1,203.41	29.45	41.869		
4,300.00	4,191.69	4,056.54	4,027.88	20.91	15.77	-172.17	-386.03	-99.63	1,269.90	1,239.73	30.17	42.085		
4,400.00	4,288.52	4,149.40	4,119.82	21.45	16.17	-172.07	-398.16	-104.45	1,306.96	1,276.05	30.90	42.290		
4,500.00	4,385.35	4,242.26	4,211.76	21.99	16.57	-171.98	-410.30	-109.26	1,344.01	1,312.38	31.63	42.485		
4,600.00	4,482.18	4,335.12	4,303.70	22.54	16.97	-171.90	-422.43	-114.07	1,381.07	1,348.71	32.37	42.671		
4,700.00	4,579.02	4,427.98	4,395.64	23.08	17.36	-171.81	-434.56	-118.88	1,418.14	1,385.04	33.10	42.849		
4,800.00	4,675.85	4,520.84	4,487.57	23.62	17.76	-171.74	-446.69	-123.69	1,455.20	1,421.37	33.83	43.018		
4,900.00	4,772.68	4,613.70	4,579.51	24.16	18.16	-171.66	-458.82	-128.50	1,492.27	1,457.71	34.56	43.181		
5,000.00	4,869.51	4,706.56	4,671.45	24.70	18.56	-171.59	-470.95	-133.31	1,529.34	1,494.05	35.29	43.336		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-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		
5,100.00	4,966.34	4,800.58	4,763.39	25.24	18.97	-171.53	-483.08	-138.12	1,566.41	1,530.38	36.03	43.479		
5,200.00	5,063.17	4,892.28	4,855.33	25.79	19.36	-171.46	-495.22	-142.93	1,603.48	1,566.72	36.75	43.626		
5,300.00	5,160.01	4,985.14	4,947.27	26.33	19.76	-171.40	-507.35	-147.74	1,640.55	1,603.07	37.49	43.763		
5,400.00	5,256.84	5,078.00	5,039.20	26.87	20.16	-171.34	-519.48	-152.55	1,677.63	1,639.41	38.22	43.894		
5,500.00	5,353.67	5,170.86	5,131.14	27.41	20.56	-171.29	-531.61	-157.36	1,714.70	1,675.75	38.95	44.020		
5,600.00	5,450.50	5,263.72	5,223.08	27.96	20.96	-171.24	-543.74	-162.17	1,751.78	1,712.10	39.69	44.141		
5,700.00	5,547.33	5,356.58	5,315.02	28.50	21.36	-171.18	-555.87	-166.98	1,788.86	1,748.44	40.42	44.257		
5,800.00	5,644.16	5,449.44	5,406.96	29.04	21.76	-171.14	-568.00	-171.79	1,825.94	1,784.79	41.15	44.369		
5,900.00	5,741.00	5,542.30	5,498.90	29.58	22.16	-171.09	-580.14	-176.60	1,863.02	1,821.14	41.89	44.477		
6,000.00	5,837.83	5,635.16	5,590.84	30.12	22.56	-171.04	-592.27	-181.41	1,900.11	1,857.49	42.62	44.581		
6,100.00	5,934.66	5,728.02	5,682.77	30.67	22.96	-171.00	-604.40	-186.22	1,937.19	1,893.83	43.36	44.681		
6,200.00	6,031.49	5,820.88	5,774.71	31.21	23.36	-170.96	-616.53	-191.03	1,974.28	1,930.18	44.09	44.777		
6,300.00	6,128.32	5,913.74	5,866.65	31.75	23.76	-170.92	-628.66	-195.84	2,011.36	1,966.54	44.83	44.871		
6,400.00	6,225.15	6,006.60	5,958.59	32.29	24.16	-170.88	-640.79	-200.65	2,048.45	2,002.89	45.56	44.961		
6,500.00	6,321.99	6,100.54	6,050.53	32.84	24.57	-170.84	-652.92	-205.46	2,085.53	2,039.23	46.30	45.043		
6,600.00	6,418.82	6,207.68	6,142.47	33.38	25.03	-170.81	-665.05	-210.27	2,122.62	2,075.53	47.09	45.076		
6,700.00	6,515.65	6,285.18	6,234.40	33.92	25.36	-170.77	-677.19	-215.08	2,159.71	2,111.94	47.77	45.213		
6,756.73	6,570.58	6,337.86	6,286.56	34.23	25.59	-170.75	-684.07	-217.81	2,180.75	2,132.57	48.19	45.258		
6,800.00	6,612.56	6,378.16	6,326.46	34.46	25.76	-170.79	-689.33	-219.90	2,196.50	2,148.00	48.50	45.286		
6,900.00	6,710.15	6,472.15	6,419.52	34.97	26.17	-170.86	-701.61	-224.77	2,230.59	2,181.35	49.24	45.303		
7,000.00	6,808.44	6,567.24	6,513.67	35.43	26.58	-170.90	-714.04	-229.70	2,261.41	2,211.45	49.97	45.258		
7,100.00	6,907.31	6,663.33	6,608.81	35.85	27.00	-170.92	-726.59	-234.67	2,288.95	2,238.25	50.69	45.153		
7,200.00	7,006.64	6,760.29	6,704.81	36.23	27.42	-170.91	-739.26	-239.70	2,313.16	2,261.74	51.41	44.991		
7,300.00	7,106.32	6,858.01	6,801.55	36.57	27.84	-170.88	-752.02	-244.76	2,334.01	2,281.89	52.13	44.774		
7,400.00	7,206.21	7,006.95	6,949.11	36.87	28.47	-170.78	-770.77	-252.19	2,351.33	2,298.13	53.20	44.198		
7,479.80	7,286.00	7,344.62	7,286.00	37.07	29.69	-179.93	-789.25	-259.52	2,356.80	2,301.57	55.23	42.669		
7,499.99	7,306.18	7,364.80	7,306.18	37.12	29.75	-179.93	-789.25	-259.52	2,356.80	2,301.44	55.36	42.571		
7,509.80	7,316.00	7,374.62	7,316.00	37.15	29.78	-179.93	-789.25	-259.52	2,356.80	2,301.38	55.42	42.523		
7,550.00	7,356.16	7,415.33	7,356.67	37.25	29.90	-90.18	-789.24	-260.97	2,356.80	2,301.11	55.69	42.319		
7,600.00	7,405.83	7,465.96	7,406.95	37.38	30.07	-90.17	-789.22	-266.79	2,356.80	2,300.76	56.04	42.054		
7,650.00	7,454.80	7,516.58	7,456.52	37.51	30.25	-90.17	-789.18	-277.02	2,356.80	2,300.39	56.42	41.776		
7,700.00	7,502.72	7,567.19	7,504.97	37.65	30.44	-90.17	-789.11	-291.58	2,356.80	2,299.99	56.81	41.486		
7,750.00	7,549.22	7,617.78	7,551.93	37.80	30.63	-90.16	-789.03	-310.35	2,356.80	2,299.57	57.23	41.183		
7,800.00	7,593.95	7,668.35	7,597.03	37.95	30.84	-90.15	-788.94	-333.17	2,356.80	2,299.13	57.67	40.865		
7,850.00	7,636.56	7,718.89	7,639.93	38.11	31.05	-90.15	-788.82	-359.87	2,356.80	2,298.65	58.15	40.529		
7,900.00	7,676.73	7,769.39	7,680.28	38.28	31.27	-90.14	-788.69	-390.22	2,356.80	2,298.13	58.67	40.172		
7,950.00	7,714.16	7,819.86	7,717.77	38.45	31.50	-90.13	-788.55	-423.98	2,356.80	2,297.57	59.23	39.789		
7,959.54	7,720.96	7,829.48	7,724.58	38.48	31.54	-90.12	-788.52	-430.78	2,356.80	2,297.45	59.35	39.711		
8,000.00	7,748.55	7,870.30	7,752.13	38.63	31.75	-90.12	-788.39	-460.87	2,356.80	2,296.95	59.86	39.375		
8,050.00	7,779.66	7,920.68	7,783.08	38.82	32.01	-90.10	-788.22	-500.61	2,356.80	2,296.26	60.54	38.927		
8,100.00	7,807.24	7,971.03	7,810.41	39.03	32.31	-90.09	-788.04	-542.88	2,356.80	2,295.49	61.31	38.443		
8,150.00	7,831.08	8,021.32	7,833.89	39.26	32.63	-90.08	-787.85	-587.33	2,356.80	2,294.65	62.15	37.920		
8,200.00	7,850.99	8,071.57	7,853.38	39.50	33.00	-90.06	-787.65	-633.63	2,356.80	2,293.72	63.08	37.360		
8,250.00	7,866.84	8,121.76	7,868.71	39.78	33.40	-90.05	-787.44	-681.40	2,356.80	2,292.70	64.10	36.767		
8,300.00	7,878.50	8,171.90	7,879.81	40.08	33.86	-90.03	-787.23	-730.28	2,356.80	2,291.60	65.20	36.146		
8,350.00	7,885.88	8,221.98	7,886.58	40.42	34.36	-90.02	-787.02	-779.89	2,356.81	2,290.43	66.38	35.506		
8,400.00	7,888.92	8,272.02	7,888.99	40.79	34.90	-90.00	-786.81	-829.85	2,356.81	2,289.19	67.62	34.856		
8,409.88	7,889.00	8,281.89	7,889.00	40.87	35.01	-90.00	-786.77	-839.72	2,356.81	2,288.94	67.87	34.727		
8,500.00	7,889.00	8,372.02	7,889.00	41.64	36.12	-90.00	-786.38	-929.85	2,356.81	2,286.48	70.33	33.513		
8,600.00	7,889.00	8,472.02	7,889.00	42.65	37.51	-90.00	-785.95	-1,029.85	2,356.81	2,283.50	73.32	32.146		
8,700.00	7,889.00	8,572.03	7,889.00	43.81	39.05	-90.00	-785.52	-1,129.86	2,356.81	2,280.25	76.57	30.780		
8,800.00	7,889.00	8,672.03	7,889.00	45.13	40.72	-90.00	-785.09	-1,229.86	2,356.82	2,276.77	80.05	29.441		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-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		
8,900.00	7,888.99	8,772.03	7,888.99	46.58	42.50	-90.00	-784.67	-1,329.86	2,356.82	2,273.08	83.74	28.146		
9,000.00	7,888.99	8,872.04	7,888.99	48.17	44.38	-90.00	-784.24	-1,429.87	2,356.82	2,269.23	87.59	26.906		
9,100.00	7,888.99	8,972.04	7,888.99	49.86	46.35	-90.00	-783.81	-1,529.87	2,356.82	2,265.22	91.61	25.728		
9,200.00	7,888.99	9,072.05	7,888.99	51.66	48.39	-90.00	-783.38	-1,629.87	2,356.83	2,261.07	95.75	24.614		
9,300.00	7,888.99	9,172.05	7,888.99	53.55	50.50	-90.00	-782.95	-1,729.87	2,356.83	2,256.81	100.02	23.564		
9,400.00	7,888.99	9,272.05	7,888.99	55.51	52.66	-90.00	-782.52	-1,829.88	2,356.83	2,252.45	104.38	22.578		
9,500.00	7,888.99	9,372.06	7,888.99	57.54	54.87	-90.00	-782.09	-1,929.88	2,356.83	2,247.99	108.84	21.654		
9,600.00	7,888.99	9,472.06	7,888.99	59.63	57.12	-90.00	-781.66	-2,029.88	2,356.84	2,243.46	113.38	20.787		
9,700.00	7,888.99	9,572.07	7,888.99	61.77	59.41	-90.00	-781.23	-2,129.89	2,356.84	2,238.85	117.99	19.975		
9,800.00	7,888.98	9,672.07	7,888.98	63.96	61.73	-90.00	-780.80	-2,229.89	2,356.84	2,234.18	122.66	19.214		
9,900.00	7,888.98	9,772.07	7,888.98	66.19	64.08	-90.00	-780.37	-2,329.89	2,356.84	2,229.45	127.39	18.501		
10,000.00	7,888.98	9,872.08	7,888.98	68.46	66.46	-90.00	-779.94	-2,429.90	2,356.84	2,224.68	132.17	17.833		
10,100.00	7,888.98	9,972.08	7,888.98	70.76	68.86	-90.00	-779.50	-2,529.90	2,356.85	2,219.86	136.99	17.205		
10,200.00	7,888.98	10,072.09	7,888.98	73.08	71.29	-90.00	-779.07	-2,629.90	2,356.85	2,215.00	141.85	16.615		
10,300.00	7,888.98	10,172.09	7,888.98	75.44	73.73	-90.00	-778.64	-2,729.91	2,356.85	2,210.10	146.75	16.061		
10,400.00	7,888.98	10,272.09	7,888.98	77.81	76.19	-90.00	-778.21	-2,829.91	2,356.85	2,205.17	151.68	15.538		
10,500.00	7,888.98	10,372.10	7,888.98	80.21	78.66	-90.00	-777.78	-2,929.91	2,356.85	2,200.21	156.64	15.046		
10,600.00	7,888.98	10,472.10	7,888.98	82.63	81.15	-90.00	-777.35	-3,029.91	2,356.85	2,195.23	161.63	14.582		
10,700.00	7,888.98	10,572.11	7,888.98	85.06	83.65	-90.00	-776.92	-3,129.92	2,356.86	2,190.22	166.64	14.144		
10,800.00	7,888.98	10,672.11	7,888.98	87.51	86.16	-90.00	-776.48	-3,229.92	2,356.86	2,185.19	171.67	13.729		
10,900.00	7,888.98	10,772.11	7,888.98	89.98	88.69	-90.00	-776.05	-3,329.92	2,356.86	2,180.13	176.73	13.336		
11,000.00	7,888.98	10,872.12	7,888.98	92.46	91.22	-90.00	-775.62	-3,429.93	2,356.86	2,175.06	181.80	12.964		
11,100.00	7,888.97	10,972.12	7,888.97	94.95	93.76	-90.00	-775.19	-3,529.93	2,356.86	2,169.97	186.89	12.611		
11,200.00	7,888.97	11,072.13	7,888.97	97.45	96.31	-90.00	-774.75	-3,629.93	2,356.86	2,164.87	191.99	12.276		
11,300.00	7,888.97	11,172.13	7,888.97	99.96	98.87	-90.00	-774.32	-3,729.94	2,356.86	2,159.75	197.11	11.957		
11,400.00	7,888.97	11,272.13	7,888.97	102.48	101.43	-90.00	-773.89	-3,829.94	2,356.87	2,154.62	202.25	11.653		
11,500.00	7,888.97	11,372.14	7,888.97	105.01	104.00	-90.00	-773.45	-3,929.94	2,356.87	2,149.47	207.40	11.364		
11,600.00	7,888.97	11,472.14	7,888.97	107.54	106.58	-90.00	-773.02	-4,029.95	2,356.87	2,144.31	212.55	11.088		
11,700.00	7,888.97	11,572.15	7,888.97	110.09	109.16	-90.00	-772.59	-4,129.95	2,356.87	2,139.15	217.72	10.825		
11,800.00	7,888.97	11,672.15	7,888.97	112.64	111.75	-90.00	-772.15	-4,229.95	2,356.87	2,133.97	222.90	10.574		
11,900.00	7,888.97	11,772.15	7,888.97	115.20	114.34	-90.00	-771.72	-4,329.95	2,356.87	2,128.78	228.09	10.333		
12,000.00	7,888.97	11,872.16	7,888.97	117.76	116.94	-90.00	-771.28	-4,429.96	2,356.87	2,123.59	233.28	10.103		
12,100.00	7,888.97	11,972.16	7,888.97	120.33	119.54	-90.00	-770.85	-4,529.96	2,356.87	2,118.38	238.49	9.882		
12,200.00	7,888.97	12,072.17	7,888.97	122.91	122.14	-90.00	-770.41	-4,629.96	2,356.87	2,113.17	243.70	9.671		
12,300.00	7,888.97	12,172.17	7,888.97	125.49	124.75	-90.00	-769.98	-4,729.97	2,356.87	2,107.95	248.92	9.468		
12,400.00	7,888.97	12,272.17	7,888.97	128.07	127.36	-90.00	-769.54	-4,829.97	2,356.87	2,102.73	254.15	9.274		
12,500.00	7,888.97	12,372.18	7,888.97	130.66	129.98	-90.00	-769.11	-4,929.97	2,356.88	2,097.50	259.38	9.087		
12,600.00	7,888.97	12,472.18	7,888.97	133.26	132.59	-90.00	-768.67	-5,029.98	2,356.88	2,092.26	264.62	8.907		
12,700.00	7,888.97	12,572.19	7,888.97	135.85	135.21	-90.00	-768.24	-5,129.98	2,356.88	2,087.01	269.86	8.734		
12,800.00	7,888.97	12,672.19	7,888.97	138.45	137.84	-90.00	-767.80	-5,229.98	2,356.88	2,081.77	275.11	8.567		
12,900.00	7,888.97	12,772.19	7,888.97	141.06	140.46	-90.00	-767.37	-5,329.99	2,356.88	2,076.51	280.37	8.406		
13,000.00	7,888.97	12,872.20	7,888.97	143.66	143.09	-90.00	-766.93	-5,429.99	2,356.88	2,071.25	285.62	8.252		
13,100.00	7,888.97	12,972.20	7,888.97	146.28	145.72	-90.00	-766.50	-5,529.99	2,356.88	2,065.99	290.89	8.102		
13,200.00	7,888.97	13,072.21	7,888.97	148.89	148.36	-90.00	-766.06	-5,629.99	2,356.88	2,060.72	296.15	7.958		
13,300.00	7,888.97	13,172.21	7,888.97	151.50	150.99	-90.00	-765.62	-5,730.00	2,356.88	2,055.45	301.43	7.819		
13,400.00	7,888.97	13,272.21	7,888.97	154.12	153.63	-90.00	-765.19	-5,830.00	2,356.88	2,050.18	306.70	7.685		
13,500.00	7,888.97	13,372.22	7,888.97	156.74	156.27	-90.00	-764.75	-5,930.00	2,356.88	2,044.90	311.98	7.555		
13,600.00	7,888.97	13,472.22	7,888.97	159.37	158.91	-90.00	-764.31	-6,030.01	2,356.88	2,039.62	317.26	7.429		
13,700.00	7,888.97	13,572.23	7,888.97	161.99	161.55	-90.00	-763.88	-6,130.01	2,356.88	2,034.33	322.55	7.307		
13,799.52	7,888.97	13,671.75	7,888.97	164.61	164.18	-90.00	-763.44	-6,229.53	2,356.88	2,029.07	327.81	7.190		
13,800.00	7,888.97	13,672.23	7,888.97	164.62	164.19	-90.00	-763.44	-6,230.01	2,356.88	2,029.04	327.83	7.189		
13,900.00	7,888.97	13,772.23	7,888.97	167.25	166.84	-90.00	-763.00	-6,330.02	2,356.88	2,023.75	333.13	7.075		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design Sec 4-T4S-R65W - JAMASO 4-65 5-6-8 - ORIGINAL WELLBORE - PROPOSAL 1													Offset Site Error:	0.00 usft
Survey Program: 0-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		
14,000.00	7,888.97	13,872.24	7,888.97	169.88	169.48	-90.00	-762.56	-6,430.02	2,356.88	2,018.46	338.42	6.964		
14,100.00	7,888.97	13,972.24	7,888.97	172.52	172.13	-90.00	-762.13	-6,530.02	2,356.88	2,013.16	343.72	6.857		
14,200.00	7,888.97	14,072.25	7,888.97	175.15	174.78	-90.00	-761.69	-6,630.02	2,356.88	2,007.86	349.02	6.753		
14,300.00	7,888.97	14,172.25	7,888.97	177.79	177.43	-90.00	-761.25	-6,730.03	2,356.88	2,002.56	354.32	6.652		
14,400.00	7,888.97	14,272.25	7,888.97	180.43	180.08	-90.00	-760.81	-6,830.03	2,356.88	1,997.26	359.62	6.554		
14,500.00	7,888.97	14,372.26	7,888.97	183.07	182.73	-90.00	-760.37	-6,930.03	2,356.88	1,991.95	364.93	6.458		
14,600.00	7,888.97	14,472.26	7,888.97	185.71	185.39	-90.00	-759.93	-7,030.04	2,356.88	1,986.64	370.24	6.366		
14,700.00	7,888.97	14,572.27	7,888.97	188.35	188.04	-90.00	-759.49	-7,130.04	2,356.88	1,981.33	375.55	6.276		
14,800.00	7,888.97	14,672.27	7,888.97	190.99	190.70	-90.00	-759.06	-7,230.04	2,356.88	1,976.02	380.86	6.188		
14,900.00	7,888.97	14,772.27	7,888.97	193.64	193.35	-90.00	-758.62	-7,330.05	2,356.88	1,970.70	386.17	6.103		
15,000.00	7,888.97	14,872.28	7,888.97	196.29	196.01	-90.00	-758.18	-7,430.05	2,356.88	1,965.39	391.49	6.020		
15,100.00	7,888.97	14,972.28	7,888.97	198.93	198.67	-90.00	-757.74	-7,530.05	2,356.87	1,960.07	396.81	5.940		
15,200.00	7,888.97	15,072.29	7,888.97	201.58	201.33	-90.00	-757.30	-7,630.06	2,356.87	1,954.75	402.13	5.861		
15,300.00	7,888.97	15,172.29	7,888.97	204.23	203.99	-90.00	-756.86	-7,730.06	2,356.87	1,949.43	407.45	5.784		
15,400.00	7,888.97	15,272.29	7,888.97	206.88	206.65	-90.00	-756.42	-7,830.06	2,356.87	1,944.10	412.77	5.710		
15,500.00	7,888.98	15,372.30	7,888.98	209.54	209.31	-90.00	-755.98	-7,930.06	2,356.87	1,938.78	418.09	5.637		
15,600.00	7,888.98	15,472.30	7,888.98	212.19	211.97	-90.00	-755.54	-8,030.07	2,356.87	1,933.45	423.42	5.566		
15,700.00	7,888.98	15,572.31	7,888.98	214.84	214.64	-90.00	-755.10	-8,130.07	2,356.87	1,928.12	428.75	5.497		
15,800.00	7,888.98	15,672.31	7,888.98	217.50	217.30	-90.00	-754.66	-8,230.07	2,356.87	1,922.80	434.07	5.430		
15,900.00	7,888.98	15,772.31	7,888.98	220.15	219.96	-90.00	-754.22	-8,330.08	2,356.87	1,917.47	439.40	5.364		
16,000.00	7,888.98	15,872.32	7,888.98	222.81	222.63	-90.00	-753.77	-8,430.08	2,356.87	1,912.13	444.73	5.300		
16,100.00	7,888.98	15,972.32	7,888.98	225.47	225.30	-90.00	-753.33	-8,530.08	2,356.87	1,906.80	450.06	5.237		
16,200.00	7,888.98	16,072.33	7,888.98	228.13	227.96	-90.00	-752.89	-8,630.09	2,356.86	1,901.47	455.40	5.175		
16,300.00	7,888.98	16,172.33	7,888.98	230.78	230.63	-90.00	-752.45	-8,730.09	2,356.86	1,896.13	460.73	5.115		
16,400.00	7,888.98	16,272.34	7,888.98	233.44	233.29	-90.00	-752.01	-8,830.09	2,356.86	1,890.80	466.07	5.057		
16,500.00	7,888.98	16,372.34	7,888.98	236.10	235.96	-90.00	-751.57	-8,930.09	2,356.86	1,885.46	471.40	5.000		
16,600.00	7,888.98	16,472.34	7,888.98	238.77	238.63	-90.00	-751.13	-9,030.10	2,356.86	1,880.12	476.74	4.944		
16,700.00	7,888.98	16,572.35	7,888.98	241.43	241.30	-90.00	-750.68	-9,130.10	2,356.86	1,874.78	482.08	4.889		
16,800.00	7,888.99	16,672.35	7,888.99	244.09	243.97	-90.00	-750.24	-9,230.10	2,356.86	1,869.44	487.41	4.835		
16,900.00	7,888.99	16,772.36	7,888.99	246.75	246.64	-90.00	-749.80	-9,330.11	2,356.85	1,864.10	492.75	4.783		
17,000.00	7,888.99	16,872.36	7,888.99	249.41	249.31	-90.00	-749.36	-9,430.11	2,356.85	1,858.76	498.10	4.732		
17,100.00	7,888.99	16,972.36	7,888.99	252.08	251.98	-90.00	-748.91	-9,530.11	2,356.85	1,853.41	503.44	4.682		
17,200.00	7,888.99	17,072.37	7,888.99	254.74	254.65	-90.00	-748.47	-9,630.12	2,356.85	1,848.07	508.78	4.632		
17,300.00	7,888.99	17,172.37	7,888.99	257.41	257.32	-90.00	-748.03	-9,730.12	2,356.85	1,842.73	514.12	4.584		
17,400.00	7,888.99	17,272.38	7,888.99	260.07	259.99	-90.00	-747.58	-9,830.12	2,356.85	1,837.38	519.47	4.537		
17,500.00	7,888.99	17,372.38	7,888.99	262.74	262.66	-90.00	-747.14	-9,930.13	2,356.84	1,832.03	524.81	4.491		
17,600.00	7,888.99	17,472.38	7,888.99	265.41	265.34	-90.00	-746.70	-10,030.13	2,356.84	1,826.69	530.15	4.446		
17,700.00	7,889.00	17,572.39	7,889.00	268.07	268.01	-90.00	-746.25	-10,130.13	2,356.84	1,821.34	535.50	4.401		
17,800.00	7,889.00	17,672.39	7,889.00	270.74	270.68	-90.00	-745.81	-10,230.13	2,356.84	1,815.99	540.85	4.358		
17,900.00	7,889.00	17,772.40	7,889.00	273.41	273.36	-90.00	-745.36	-10,330.14	2,356.84	1,810.64	546.19	4.315		
18,000.00	7,889.00	17,872.40	7,889.00	276.08	276.03	-90.00	-744.92	-10,430.14	2,356.83	1,805.29	551.54	4.273		
18,089.93	7,889.00	17,962.33	7,889.00	278.48	278.43	-90.00	-744.52	-10,520.07	2,356.83	1,800.48	556.35	4.236 SF		



# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
0.00	0.00	0.00	0.00	0.00	0.00	90.00	0.00	73.12	73.12					
100.00	100.00	100.00	100.00	0.13	0.13	90.00	0.00	73.12	73.12	72.86	0.27	271.987		
200.00	200.00	200.00	200.00	0.49	0.49	90.00	0.00	73.12	73.12	72.14	0.99	74.178		
300.00	300.00	300.00	300.00	0.85	0.85	90.00	0.00	73.12	73.12	71.42	1.70	42.945		
400.00	400.00	400.00	400.00	1.21	1.21	90.00	0.00	73.12	73.12	70.71	2.42	30.221 CC		
500.00	499.98	500.02	499.98	1.57	1.57	100.64	0.00	73.12	73.43	70.29	3.14	23.413 ES		
600.00	599.84	600.16	599.84	1.93	1.93	104.56	0.00	73.12	74.57	70.72	3.85	19.346		
700.00	699.45	699.45	699.45	2.30	2.28	110.76	0.00	73.12	77.23	72.65	4.58	16.877		
800.00	798.70	798.48	798.46	2.67	2.62	119.72	-1.63	72.66	82.49	77.20	5.29	15.597		
900.00	897.47	895.82	895.67	3.07	2.95	130.95	-6.44	71.30	92.62	86.63	5.99	15.454		
1,000.00	995.62	990.87	990.37	3.49	3.27	142.13	-14.20	69.11	109.89	103.20	6.70	16.414		
1,100.00	1,093.06	1,083.07	1,081.92	3.94	3.60	151.68	-24.61	66.17	135.28	127.90	7.38	18.328		
1,123.07	1,115.42	1,103.88	1,102.54	4.05	3.67	153.59	-27.35	65.39	142.29	134.75	7.54	18.871		
1,200.00	1,189.91	1,172.32	1,170.18	4.42	3.93	159.26	-37.38	62.55	167.73	159.69	8.04	20.859		
1,300.00	1,286.74	1,259.29	1,255.75	4.92	4.28	164.91	-52.37	58.32	204.47	195.80	8.67	23.579		
1,400.00	1,383.57	1,347.42	1,342.03	5.42	4.64	169.29	-69.64	53.43	244.43	235.12	9.32	26.235		
1,500.00	1,480.40	1,437.52	1,430.19	5.93	5.03	172.57	-87.50	48.38	285.53	275.55	9.99	28.594		
1,600.00	1,577.24	1,527.61	1,518.35	6.45	5.43	175.03	-105.36	43.33	327.22	316.56	10.66	30.684		
1,700.00	1,674.07	1,617.70	1,606.51	6.97	5.84	176.94	-123.22	38.28	369.30	357.96	11.35	32.543		
1,800.00	1,770.90	1,707.80	1,694.67	7.49	6.25	178.46	-141.09	33.23	411.66	399.62	12.04	34.198		
1,900.00	1,867.73	1,802.11	1,782.83	8.02	6.69	179.70	-158.95	28.18	454.21	441.46	12.75	35.631		
2,000.00	1,964.56	1,887.99	1,871.00	8.54	7.10	-179.27	-176.81	23.13	496.91	483.48	13.43	37.004		
2,100.00	2,061.39	1,978.08	1,959.16	9.07	7.52	-178.40	-194.67	18.07	539.72	525.59	14.13	38.200		
2,200.00	2,158.23	2,068.17	2,047.32	9.61	7.95	-177.66	-212.54	13.02	582.61	567.78	14.83	39.281		
2,300.00	2,255.06	2,158.27	2,135.48	10.14	8.39	-177.02	-230.40	7.97	625.58	610.04	15.54	40.263		
2,400.00	2,351.89	2,248.36	2,223.64	10.67	8.82	-176.46	-248.26	2.92	668.60	652.35	16.24	41.158		
2,500.00	2,448.72	2,338.46	2,311.80	11.21	9.26	-175.97	-266.12	-2.13	711.66	694.71	16.95	41.977		
2,600.00	2,545.55	2,428.55	2,399.96	11.74	9.70	-175.54	-283.98	-7.18	754.76	737.10	17.66	42.728		
2,700.00	2,642.38	2,518.65	2,488.12	12.28	10.14	-175.15	-301.85	-12.23	797.90	779.52	18.38	43.420		
2,800.00	2,739.22	2,608.74	2,576.28	12.82	10.58	-174.80	-319.71	-17.28	841.06	821.97	19.09	44.058		
2,900.00	2,836.05	2,701.17	2,664.44	13.35	11.03	-174.49	-337.57	-22.33	884.24	864.43	19.81	44.629		
3,000.00	2,932.88	2,788.93	2,752.61	13.89	11.46	-174.20	-355.43	-27.39	927.45	906.93	20.52	45.198		
3,100.00	3,029.71	2,879.02	2,840.77	14.43	11.91	-173.95	-373.30	-32.44	970.67	949.43	21.24	45.709		
3,200.00	3,126.54	2,969.12	2,928.93	14.97	12.35	-173.71	-391.16	-37.49	1,013.90	991.95	21.95	46.185		
3,300.00	3,223.37	3,059.21	3,017.09	15.51	12.79	-173.49	-409.02	-42.54	1,057.15	1,034.48	22.67	46.630		
3,400.00	3,320.21	3,149.30	3,105.25	16.05	13.24	-173.29	-426.88	-47.59	1,100.41	1,077.02	23.39	47.046		
3,500.00	3,417.04	3,239.40	3,193.41	16.59	13.69	-173.10	-444.75	-52.64	1,143.68	1,119.57	24.11	47.437		
3,600.00	3,513.87	3,329.49	3,281.57	17.13	14.13	-172.93	-462.61	-57.69	1,186.96	1,162.13	24.83	47.805		
3,700.00	3,610.70	3,419.59	3,369.73	17.67	14.58	-172.77	-480.47	-62.74	1,230.25	1,204.70	25.55	48.151		
3,800.00	3,707.53	3,509.68	3,457.89	18.21	15.03	-172.62	-498.33	-67.79	1,273.54	1,247.27	26.27	48.477		
3,900.00	3,804.36	3,600.23	3,546.05	18.75	15.48	-172.48	-516.19	-72.84	1,316.84	1,289.85	26.99	48.782		
4,000.00	3,901.19	3,689.87	3,634.22	19.29	15.93	-172.35	-534.06	-77.90	1,360.15	1,332.44	27.71	49.077		
4,100.00	3,998.03	3,779.96	3,722.38	19.83	16.38	-172.23	-551.92	-82.95	1,403.46	1,375.03	28.44	49.353		
4,200.00	4,094.86	3,870.06	3,810.54	20.37	16.82	-172.11	-569.78	-88.00	1,446.78	1,417.62	29.16	49.614		
4,300.00	4,191.69	3,960.15	3,898.70	20.91	17.27	-172.01	-587.64	-93.05	1,490.10	1,460.22	29.88	49.863		
4,400.00	4,288.52	4,050.24	3,986.86	21.45	17.72	-171.90	-605.51	-98.10	1,533.43	1,502.82	30.61	50.099		
4,500.00	4,385.35	4,140.34	4,075.02	21.99	18.17	-171.81	-623.37	-103.15	1,576.76	1,545.42	31.33	50.324		
4,600.00	4,482.18	4,230.43	4,163.18	22.54	18.62	-171.72	-641.23	-108.20	1,620.09	1,588.03	32.06	50.538		
4,700.00	4,579.02	4,320.53	4,251.34	23.08	19.07	-171.63	-659.09	-113.25	1,663.43	1,630.64	32.78	50.742		
4,800.00	4,675.85	4,410.62	4,339.50	23.62	19.52	-171.55	-676.96	-118.30	1,706.77	1,673.26	33.51	50.937		
4,900.00	4,772.68	4,500.71	4,427.67	24.16	19.97	-171.47	-694.82	-123.36	1,750.11	1,715.87	34.23	51.123		
5,000.00	4,869.51	4,590.81	4,515.83	24.70	20.43	-171.39	-712.68	-128.41	1,793.45	1,758.49	34.96	51.301		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
5,100.00	4,966.34	4,680.90	4,603.99	25.24	20.88	-171.32	-730.54	-133.46	1,836.80	1,801.11	35.69	51.472		
5,200.00	5,063.17	4,771.00	4,692.15	25.79	21.33	-171.25	-748.40	-138.51	1,880.15	1,843.74	36.41	51.635		
5,300.00	5,160.01	4,861.09	4,780.31	26.33	21.78	-171.19	-766.27	-143.56	1,923.50	1,886.36	37.14	51.791		
5,400.00	5,256.84	4,951.19	4,868.47	26.87	22.23	-171.13	-784.13	-148.61	1,966.85	1,928.99	37.87	51.941		
5,500.00	5,353.67	5,041.28	4,956.63	27.41	22.68	-171.07	-801.99	-153.66	2,010.21	1,971.61	38.59	52.085		
5,600.00	5,450.50	5,131.37	5,044.79	27.96	23.13	-171.01	-819.85	-158.71	2,053.56	2,014.24	39.32	52.224		
5,700.00	5,547.33	5,221.47	5,132.95	28.50	23.59	-170.96	-837.72	-163.76	2,096.92	2,056.87	40.05	52.357		
5,800.00	5,644.16	5,311.56	5,221.11	29.04	24.04	-170.91	-855.58	-168.82	2,140.28	2,099.50	40.78	52.484		
5,900.00	5,741.00	5,401.66	5,309.28	29.58	24.49	-170.86	-873.44	-173.87	2,183.64	2,142.13	41.51	52.607		
6,000.00	5,837.83	5,508.25	5,397.44	30.12	25.02	-170.81	-891.30	-178.92	2,227.00	2,184.70	42.30	52.644		
6,100.00	5,934.66	5,581.84	5,485.60	30.67	25.39	-170.76	-909.17	-183.97	2,270.37	2,227.40	42.97	52.840		
6,200.00	6,031.49	5,671.94	5,573.76	31.21	25.84	-170.72	-927.03	-189.02	2,313.73	2,270.03	43.70	52.950		
6,300.00	6,128.32	5,762.03	5,661.92	31.75	26.30	-170.67	-944.89	-194.07	2,357.10	2,312.67	44.43	53.056		
6,400.00	6,225.15	5,852.13	5,750.08	32.29	26.75	-170.63	-962.75	-199.12	2,400.46	2,355.31	45.16	53.158		
6,500.00	6,321.99	5,942.22	5,838.24	32.84	27.20	-170.59	-980.61	-204.17	2,443.83	2,397.94	45.89	53.257		
6,600.00	6,418.82	6,032.31	5,926.40	33.38	27.65	-170.55	-998.48	-209.22	2,487.20	2,440.58	46.62	53.352		
6,700.00	6,515.65	6,122.41	6,014.56	33.92	28.11	-170.52	-1,016.34	-214.28	2,530.57	2,483.22	47.35	53.444		
6,756.73	6,570.58	6,173.52	6,064.58	34.23	28.36	-170.50	-1,026.47	-217.14	2,555.17	2,507.41	47.76	53.495		
6,800.00	6,612.56	6,212.64	6,102.86	34.46	28.56	-170.55	-1,034.23	-219.33	2,573.65	2,525.57	48.08	53.527		
6,900.00	6,710.15	6,304.07	6,192.32	34.97	29.02	-170.64	-1,052.35	-224.46	2,614.10	2,565.29	48.81	53.556		
7,000.00	6,808.44	6,396.82	6,283.08	35.43	29.48	-170.71	-1,070.74	-229.66	2,651.38	2,601.84	49.54	53.520		
7,100.00	6,907.31	6,509.22	6,375.03	35.85	30.05	-170.76	-1,089.37	-234.93	2,685.45	2,635.11	50.34	53.347		
7,200.00	7,006.64	6,585.83	6,468.05	36.23	30.43	-170.78	-1,108.22	-240.26	2,716.27	2,665.28	50.99	53.272		
7,300.00	7,106.32	6,685.24	6,565.32	36.57	30.93	-170.78	-1,127.92	-245.83	2,743.79	2,692.06	51.73	53.038		
7,400.00	7,206.21	7,330.55	7,206.45	36.87	33.36	-170.57	-1,186.35	-262.87	2,752.81	2,697.29	55.52	49.583		
7,479.80	7,286.00	7,410.10	7,285.43	37.07	33.59	-179.69	-1,186.31	-271.76	2,753.90	2,697.85	56.05	49.132		
7,499.99	7,306.18	7,429.71	7,304.65	37.12	33.65	-179.60	-1,186.29	-275.63	2,753.91	2,697.72	56.19	49.013		
7,509.80	7,316.00	7,439.15	7,313.85	37.15	33.68	-179.56	-1,186.28	-277.73	2,753.92	2,697.66	56.25	48.956		
7,550.00	7,356.16	7,477.35	7,350.71	37.25	33.81	-89.62	-1,186.24	-287.75	2,753.96	2,697.43	56.53	48.719		
7,600.00	7,405.83	7,524.11	7,394.79	37.38	33.96	-89.39	-1,186.17	-303.33	2,754.06	2,697.18	56.88	48.420		
7,650.00	7,454.80	7,570.09	7,436.75	37.51	34.12	-89.17	-1,186.09	-322.09	2,754.20	2,696.95	57.25	48.110		
7,700.00	7,502.72	7,615.34	7,476.45	37.65	34.29	-88.96	-1,186.00	-343.79	2,754.37	2,696.74	57.64	47.788		
7,750.00	7,549.22	7,659.94	7,513.78	37.80	34.46	-88.75	-1,185.89	-368.18	2,754.58	2,696.53	58.05	47.454		
7,800.00	7,593.95	7,703.94	7,548.64	37.95	34.63	-88.55	-1,185.77	-395.00	2,754.81	2,696.32	58.48	47.103		
7,850.00	7,636.56	7,747.39	7,580.95	38.11	34.80	-88.36	-1,185.65	-424.05	2,755.05	2,696.10	58.95	46.733		
7,900.00	7,676.73	7,790.36	7,610.64	38.28	34.98	-88.18	-1,185.51	-455.09	2,755.31	2,695.85	59.46	46.337		
7,950.00	7,714.16	7,832.89	7,637.65	38.45	35.17	-88.02	-1,185.37	-487.92	2,755.57	2,695.56	60.02	45.915		
8,000.00	7,748.55	7,875.02	7,661.95	38.63	35.37	-87.87	-1,185.22	-522.33	2,755.83	2,695.21	60.62	45.461		
8,050.00	7,779.66	7,916.82	7,683.48	38.82	35.58	-87.73	-1,185.06	-558.14	2,756.08	2,694.80	61.28	44.975		
8,100.00	7,807.24	7,958.31	7,702.22	39.03	35.81	-87.61	-1,184.90	-595.15	2,756.31	2,694.31	62.00	44.454		
8,150.00	7,831.08	7,999.55	7,718.15	39.26	36.05	-87.50	-1,184.73	-633.18	2,756.52	2,693.73	62.79	43.898		
8,200.00	7,850.99	8,040.57	7,731.24	39.50	36.31	-87.41	-1,184.56	-672.05	2,756.71	2,693.05	63.66	43.304		
8,250.00	7,866.84	8,081.42	7,741.47	39.78	36.60	-87.33	-1,184.39	-711.58	2,756.87	2,692.27	64.59	42.680		
8,300.00	7,878.50	8,122.12	7,748.85	40.08	36.91	-87.28	-1,184.22	-751.60	2,756.99	2,691.40	65.59	42.031		
8,350.00	7,885.88	8,162.73	7,753.35	40.42	37.24	-87.24	-1,184.04	-791.95	2,757.08	2,690.42	66.65	41.364		
8,400.00	7,888.92	8,209.74	7,755.00	40.79	37.66	-87.22	-1,183.87	-831.78	2,757.12	2,689.27	67.85	40.634		
8,409.88	7,889.00	8,212.47	7,755.00	40.87	37.69	-87.21	-1,183.82	-841.65	2,757.13	2,689.11	68.01	40.539		
8,500.00	7,889.00	8,302.60	7,755.00	41.64	38.60	-87.21	-1,183.43	-931.78	2,757.12	2,686.67	70.45	39.135		
8,600.00	7,889.00	8,402.60	7,755.00	42.65	39.78	-87.21	-1,182.99	-1,031.78	2,757.12	2,683.68	73.44	37.542		
8,700.00	7,889.00	8,502.60	7,755.00	43.81	41.13	-87.21	-1,182.56	-1,131.77	2,757.11	2,680.42	76.69	35.951		
8,800.00	7,889.00	8,602.60	7,755.00	45.13	42.64	-87.21	-1,182.12	-1,231.77	2,757.10	2,676.94	80.17	34.391		
8,900.00	7,888.99	8,702.60	7,755.00	46.58	44.27	-87.21	-1,181.68	-1,331.77	2,757.10	2,673.25	83.85	32.882		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													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		
9,000.00	7,888.99	8,802.60	7,755.00	48.17	46.03	-87.21	-1,181.25	-1,431.77	2,757.09	2,669.39	87.70	31.437		
9,100.00	7,888.99	8,902.60	7,755.00	49.86	47.88	-87.21	-1,180.81	-1,531.77	2,757.09	2,665.38	91.71	30.063		
9,200.00	7,888.99	9,002.60	7,755.00	51.66	49.83	-87.21	-1,180.37	-1,631.77	2,757.08	2,661.23	95.85	28.763		
9,300.00	7,888.99	9,102.60	7,755.00	53.55	51.85	-87.21	-1,179.94	-1,731.77	2,757.08	2,656.97	100.11	27.540		
9,400.00	7,888.99	9,202.60	7,755.00	55.51	53.94	-87.21	-1,179.50	-1,831.77	2,757.08	2,652.60	104.48	26.390		
9,500.00	7,888.99	9,302.60	7,754.99	57.54	56.08	-87.21	-1,179.06	-1,931.77	2,757.07	2,648.14	108.93	25.311		
9,600.00	7,888.99	9,402.60	7,754.99	59.63	58.28	-87.21	-1,178.63	-2,031.77	2,757.07	2,643.60	113.46	24.299		
9,700.00	7,888.99	9,502.60	7,754.99	61.77	60.52	-87.21	-1,178.19	-2,131.76	2,757.06	2,639.00	118.07	23.352		
9,800.00	7,888.98	9,602.60	7,754.99	63.96	62.80	-87.21	-1,177.75	-2,231.76	2,757.06	2,634.32	122.73	22.464		
9,900.00	7,888.98	9,702.60	7,754.99	66.19	65.11	-87.21	-1,177.32	-2,331.76	2,757.05	2,629.60	127.46	21.631		
10,000.00	7,888.98	9,802.60	7,754.99	68.46	67.45	-87.21	-1,176.88	-2,431.76	2,757.05	2,624.82	132.23	20.850		
10,100.00	7,888.98	9,902.60	7,754.99	70.76	69.82	-87.21	-1,176.44	-2,531.76	2,757.05	2,620.00	137.05	20.117		
10,200.00	7,888.98	10,002.60	7,754.99	73.08	72.21	-87.21	-1,176.01	-2,631.76	2,757.04	2,615.14	141.91	19.429		
10,300.00	7,888.98	10,102.60	7,754.99	75.44	74.63	-87.21	-1,175.57	-2,731.76	2,757.04	2,610.24	146.80	18.781		
10,400.00	7,888.98	10,202.60	7,754.99	77.81	77.06	-87.21	-1,175.13	-2,831.76	2,757.04	2,605.31	151.73	18.171		
10,500.00	7,888.98	10,302.60	7,754.99	80.21	79.51	-87.21	-1,174.70	-2,931.76	2,757.03	2,600.35	156.68	17.596		
10,600.00	7,888.98	10,402.60	7,754.99	82.63	81.98	-87.21	-1,174.26	-3,031.76	2,757.03	2,595.37	161.67	17.054		
10,700.00	7,888.98	10,502.60	7,754.99	85.06	84.46	-87.21	-1,173.82	-3,131.76	2,757.03	2,590.35	166.67	16.542		
10,800.00	7,888.98	10,602.60	7,754.99	87.51	86.96	-87.21	-1,173.39	-3,231.75	2,757.02	2,585.32	171.70	16.057		
10,900.00	7,888.98	10,702.60	7,754.99	89.98	89.46	-87.21	-1,172.95	-3,331.75	2,757.02	2,580.27	176.75	15.598		
11,000.00	7,888.98	10,802.60	7,754.99	92.46	91.98	-87.21	-1,172.52	-3,431.75	2,757.02	2,575.20	181.82	15.163		
11,100.00	7,888.97	10,902.60	7,754.99	94.95	94.51	-87.21	-1,172.08	-3,531.75	2,757.02	2,570.11	186.91	14.751		
11,200.00	7,888.97	11,002.60	7,754.99	97.45	97.05	-87.21	-1,171.64	-3,631.75	2,757.01	2,565.00	192.01	14.359		
11,300.00	7,888.97	11,102.60	7,754.99	99.96	99.59	-87.21	-1,171.21	-3,731.75	2,757.01	2,559.89	197.13	13.986		
11,400.00	7,888.97	11,202.60	7,754.99	102.48	102.15	-87.21	-1,170.77	-3,831.75	2,757.01	2,554.75	202.26	13.631		
11,500.00	7,888.97	11,302.60	7,754.99	105.01	104.71	-87.21	-1,170.33	-3,931.75	2,757.01	2,549.61	207.40	13.293		
11,600.00	7,888.97	11,402.60	7,754.98	107.54	107.27	-87.21	-1,169.90	-4,031.75	2,757.01	2,544.45	212.55	12.971		
11,700.00	7,888.97	11,502.60	7,754.98	110.09	109.85	-87.21	-1,169.46	-4,131.75	2,757.00	2,539.29	217.72	12.663		
11,800.00	7,888.97	11,602.60	7,754.98	112.64	112.43	-87.21	-1,169.02	-4,231.74	2,757.00	2,534.11	222.89	12.369		
11,900.00	7,888.97	11,702.60	7,754.98	115.20	115.01	-87.21	-1,168.59	-4,331.74	2,757.00	2,528.92	228.08	12.088		
12,000.00	7,888.97	11,802.60	7,754.98	117.76	117.60	-87.21	-1,168.15	-4,431.74	2,757.00	2,523.73	233.27	11.819		
12,100.00	7,888.97	11,902.60	7,754.98	120.33	120.19	-87.21	-1,167.71	-4,531.74	2,757.00	2,518.53	238.47	11.561		
12,200.00	7,888.97	12,002.60	7,754.98	122.91	122.79	-87.21	-1,167.28	-4,631.74	2,757.00	2,513.32	243.68	11.314		
12,300.00	7,888.97	12,102.60	7,754.98	125.49	125.40	-87.21	-1,166.84	-4,731.74	2,757.00	2,508.10	248.90	11.077		
12,400.00	7,888.97	12,202.60	7,754.98	128.07	128.00	-87.21	-1,166.40	-4,831.74	2,757.00	2,502.88	254.12	10.849		
12,500.00	7,888.97	12,302.60	7,754.98	130.66	130.61	-87.21	-1,165.97	-4,931.74	2,756.99	2,497.65	259.35	10.630		
12,600.00	7,888.97	12,402.60	7,754.98	133.26	133.23	-87.21	-1,165.53	-5,031.74	2,756.99	2,492.41	264.58	10.420		
12,700.00	7,888.97	12,502.60	7,754.98	135.85	135.84	-87.21	-1,165.09	-5,131.74	2,756.99	2,487.17	269.82	10.218		
12,800.00	7,888.97	12,602.60	7,754.98	138.45	138.46	-87.21	-1,164.66	-5,231.74	2,756.99	2,481.92	275.07	10.023		
12,900.00	7,888.97	12,702.60	7,754.98	141.06	141.08	-87.21	-1,164.22	-5,331.73	2,756.99	2,476.67	280.32	9.835		
13,000.00	7,888.97	12,802.60	7,754.98	143.66	143.71	-87.21	-1,163.78	-5,431.73	2,756.99	2,471.42	285.57	9.654		
13,100.00	7,888.97	12,902.60	7,754.98	146.28	146.34	-87.21	-1,163.35	-5,531.73	2,756.99	2,466.16	290.83	9.480		
13,164.84	7,888.97	12,967.43	7,754.98	147.97	148.04	-87.21	-1,163.07	-5,596.57	2,756.99	2,462.75	294.25	9.370		
13,200.00	7,888.97	13,002.60	7,754.98	148.89	148.97	-87.21	-1,162.91	-5,631.73	2,756.99	2,460.89	296.10	9.311		
13,300.00	7,888.97	13,102.60	7,754.98	151.50	151.60	-87.21	-1,162.47	-5,731.73	2,756.99	2,455.63	301.37	9.148		
13,400.00	7,888.97	13,202.60	7,754.98	154.12	154.23	-87.21	-1,162.04	-5,831.73	2,756.99	2,450.36	306.64	8.991		
13,500.00	7,888.97	13,302.60	7,754.98	156.74	156.87	-87.21	-1,161.60	-5,931.73	2,756.99	2,445.08	311.91	8.839		
13,600.00	7,888.97	13,402.60	7,754.98	159.37	159.51	-87.21	-1,161.17	-6,031.73	2,756.99	2,439.80	317.19	8.692		
13,700.00	7,888.97	13,502.60	7,754.97	161.99	162.15	-87.21	-1,160.73	-6,131.73	2,756.99	2,434.52	322.47	8.550		
13,800.00	7,888.97	13,602.60	7,754.97	164.62	164.79	-87.21	-1,160.29	-6,231.73	2,757.00	2,429.24	327.76	8.412		
13,900.00	7,888.97	13,702.60	7,754.97	167.25	167.43	-87.21	-1,159.86	-6,331.72	2,757.00	2,423.95	333.05	8.278		
14,000.00	7,888.97	13,802.60	7,754.97	169.88	170.08	-87.21	-1,159.42	-6,431.72	2,757.00	2,418.66	338.34	8.149		

CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

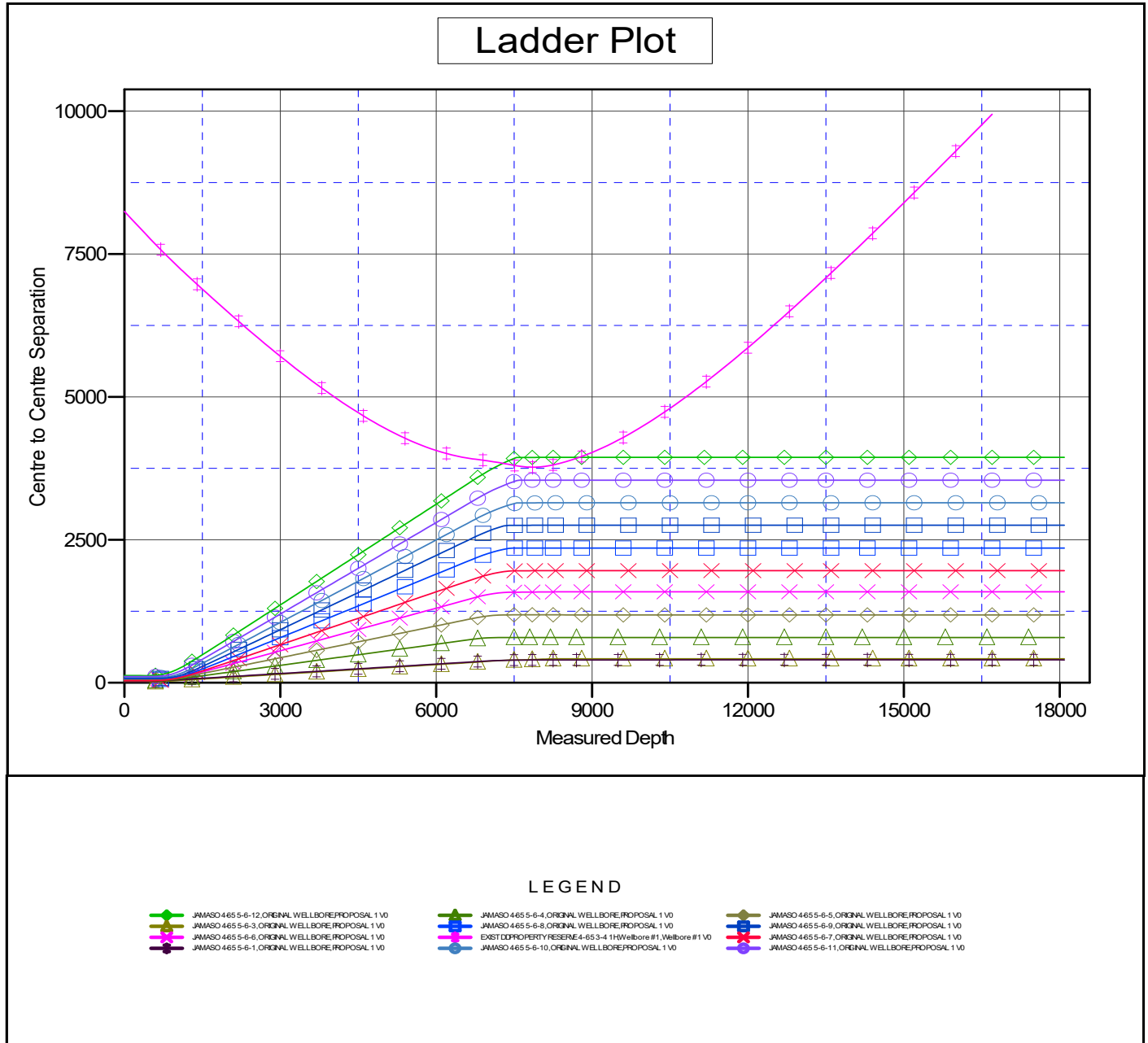
Offset Design													Offset Site Error:	0.00 usft
Survey Program: 0-MWD OWSG													Offset Well Error:	0.00 usft
Reference		Offset		Semi Major Axis			Distance							Warning
Measured Depth (usft)	Vertical Depth (usft)	Measured Depth (usft)	Vertical Depth (usft)	Reference (usft)	Offset (usft)	Highside Toolface (°)	Offset Wellbore Centre +N/-S (usft)	+E/-W (usft)	Between Centres (usft)	Between Ellipses (usft)	Minimum Separation (usft)	Separation Factor		
14,100.00	7,888.97	13,902.60	7,754.97	172.52	172.73	-87.21	-1,158.98	-6,531.72	2,757.00	2,413.37	343.63	8.023		
14,200.00	7,888.97	14,002.60	7,754.97	175.15	175.37	-87.21	-1,158.55	-6,631.72	2,757.00	2,408.07	348.93	7.901		
14,300.00	7,888.97	14,102.60	7,754.97	177.79	178.02	-87.21	-1,158.11	-6,731.72	2,757.00	2,402.78	354.23	7.783		
14,400.00	7,888.97	14,202.60	7,754.97	180.43	180.67	-87.21	-1,157.67	-6,831.72	2,757.00	2,397.48	359.53	7.668		
14,500.00	7,888.97	14,302.60	7,754.97	183.07	183.33	-87.21	-1,157.24	-6,931.72	2,757.00	2,392.18	364.83	7.557		
14,600.00	7,888.97	14,402.60	7,754.97	185.71	185.98	-87.21	-1,156.80	-7,031.72	2,757.01	2,386.87	370.13	7.449		
14,700.00	7,888.97	14,502.60	7,754.97	188.35	188.63	-87.21	-1,156.36	-7,131.72	2,757.01	2,381.57	375.44	7.343		
14,800.00	7,888.97	14,602.60	7,754.97	190.99	191.29	-87.21	-1,155.93	-7,231.72	2,757.01	2,376.26	380.75	7.241		
14,900.00	7,888.97	14,702.60	7,754.97	193.64	193.95	-87.21	-1,155.49	-7,331.72	2,757.01	2,370.95	386.06	7.141		
15,000.00	7,888.97	14,802.60	7,754.97	196.29	196.60	-87.21	-1,155.05	-7,431.71	2,757.01	2,365.64	391.37	7.044		
15,100.00	7,888.97	14,902.60	7,754.97	198.93	199.26	-87.21	-1,154.62	-7,531.71	2,757.02	2,360.33	396.69	6.950		
15,200.00	7,888.97	15,002.60	7,754.97	201.58	201.92	-87.21	-1,154.18	-7,631.71	2,757.02	2,355.01	402.00	6.858		
15,300.00	7,888.97	15,102.60	7,754.97	204.23	204.58	-87.21	-1,153.74	-7,731.71	2,757.02	2,349.70	407.32	6.769		
15,400.00	7,888.97	15,202.60	7,754.97	206.88	207.24	-87.21	-1,153.31	-7,831.71	2,757.02	2,344.38	412.64	6.681		
15,500.00	7,888.98	15,302.60	7,754.97	209.54	209.90	-87.21	-1,152.87	-7,931.71	2,757.03	2,339.07	417.96	6.596		
15,600.00	7,888.98	15,402.60	7,754.97	212.19	212.57	-87.21	-1,152.43	-8,031.71	2,757.03	2,333.75	423.28	6.513		
15,700.00	7,888.98	15,502.60	7,754.96	214.84	215.23	-87.21	-1,152.00	-8,131.71	2,757.03	2,328.43	428.61	6.433		
15,800.00	7,888.98	15,602.60	7,754.96	217.50	217.90	-87.21	-1,151.56	-8,231.71	2,757.04	2,323.10	433.93	6.354		
15,900.00	7,888.98	15,702.60	7,754.96	220.15	220.56	-87.21	-1,151.13	-8,331.71	2,757.04	2,317.78	439.26	6.277		
16,000.00	7,888.98	15,802.60	7,754.96	222.81	223.23	-87.21	-1,150.69	-8,431.70	2,757.04	2,312.46	444.58	6.201		
16,100.00	7,888.98	15,902.60	7,754.96	225.47	225.89	-87.21	-1,150.25	-8,531.70	2,757.05	2,307.13	449.91	6.128		
16,200.00	7,888.98	16,002.60	7,754.96	228.13	228.56	-87.21	-1,149.82	-8,631.70	2,757.05	2,301.81	455.24	6.056		
16,300.00	7,888.98	16,102.60	7,754.96	230.78	231.23	-87.21	-1,149.38	-8,731.70	2,757.05	2,296.48	460.57	5.986		
16,400.00	7,888.98	16,202.60	7,754.96	233.44	233.90	-87.21	-1,148.94	-8,831.70	2,757.06	2,291.15	465.90	5.918		
16,500.00	7,888.98	16,302.60	7,754.96	236.10	236.56	-87.21	-1,148.51	-8,931.70	2,757.06	2,285.82	471.24	5.851		
16,600.00	7,888.98	16,402.60	7,754.96	238.77	239.23	-87.21	-1,148.07	-9,031.70	2,757.07	2,280.49	476.57	5.785		
16,700.00	7,888.98	16,502.60	7,754.96	241.43	241.90	-87.21	-1,147.63	-9,131.70	2,757.07	2,275.16	481.91	5.721		
16,800.00	7,888.99	16,602.60	7,754.96	244.09	244.57	-87.21	-1,147.20	-9,231.70	2,757.07	2,269.83	487.24	5.659		
16,900.00	7,888.99	16,702.60	7,754.96	246.75	247.24	-87.21	-1,146.76	-9,331.70	2,757.08	2,264.50	492.58	5.597		
17,000.00	7,888.99	16,802.60	7,754.96	249.41	249.92	-87.21	-1,146.32	-9,431.70	2,757.08	2,259.17	497.92	5.537		
17,100.00	7,888.99	16,902.60	7,754.96	252.08	252.59	-87.21	-1,145.89	-9,531.69	2,757.09	2,253.83	503.25	5.479		
17,200.00	7,888.99	17,002.60	7,754.96	254.74	255.26	-87.21	-1,145.45	-9,631.69	2,757.09	2,248.50	508.59	5.421		
17,300.00	7,888.99	17,102.60	7,754.96	257.41	257.93	-87.21	-1,145.01	-9,731.69	2,757.10	2,243.17	513.93	5.365		
17,400.00	7,888.99	17,202.60	7,754.96	260.07	260.61	-87.21	-1,144.58	-9,831.69	2,757.10	2,237.83	519.27	5.310		
17,500.00	7,888.99	17,302.60	7,754.96	262.74	263.28	-87.21	-1,144.14	-9,931.69	2,757.11	2,232.49	524.61	5.255		
17,600.00	7,888.99	17,402.60	7,754.96	265.41	265.95	-87.21	-1,143.70	-10,031.69	2,757.11	2,227.16	529.96	5.203		
17,700.00	7,889.00	17,502.60	7,754.96	268.07	268.63	-87.21	-1,143.27	-10,131.69	2,757.12	2,221.82	535.30	5.151		
17,800.00	7,889.00	17,602.60	7,754.95	270.74	271.30	-87.21	-1,142.83	-10,231.69	2,757.12	2,216.48	540.64	5.100		
17,900.00	7,889.00	17,702.60	7,754.95	273.41	273.98	-87.21	-1,142.39	-10,331.69	2,757.13	2,211.14	545.99	5.050		
18,000.00	7,889.00	17,802.67	7,754.96	276.08	276.66	-87.21	-1,141.96	-10,431.76	2,757.14	2,205.80	551.33	5.001		
18,089.93	7,889.00	17,892.61	7,755.00	278.48	279.06	-87.21	-1,141.56	-10,521.69	2,757.14	2,201.00	556.14	4.958 SF		

# Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5610.00usft  
Offset Depths are relative to Offset Datum  
Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: JAMASO 4-65 5-6-2  
Coordinate System is US State Plane 1983, Colorado Northern Zone  
Grid Convergence at Surface is: 0.53°



CC - Min centre to center distance or convergent point, SF - min separation factor, ES - min ellipse separation

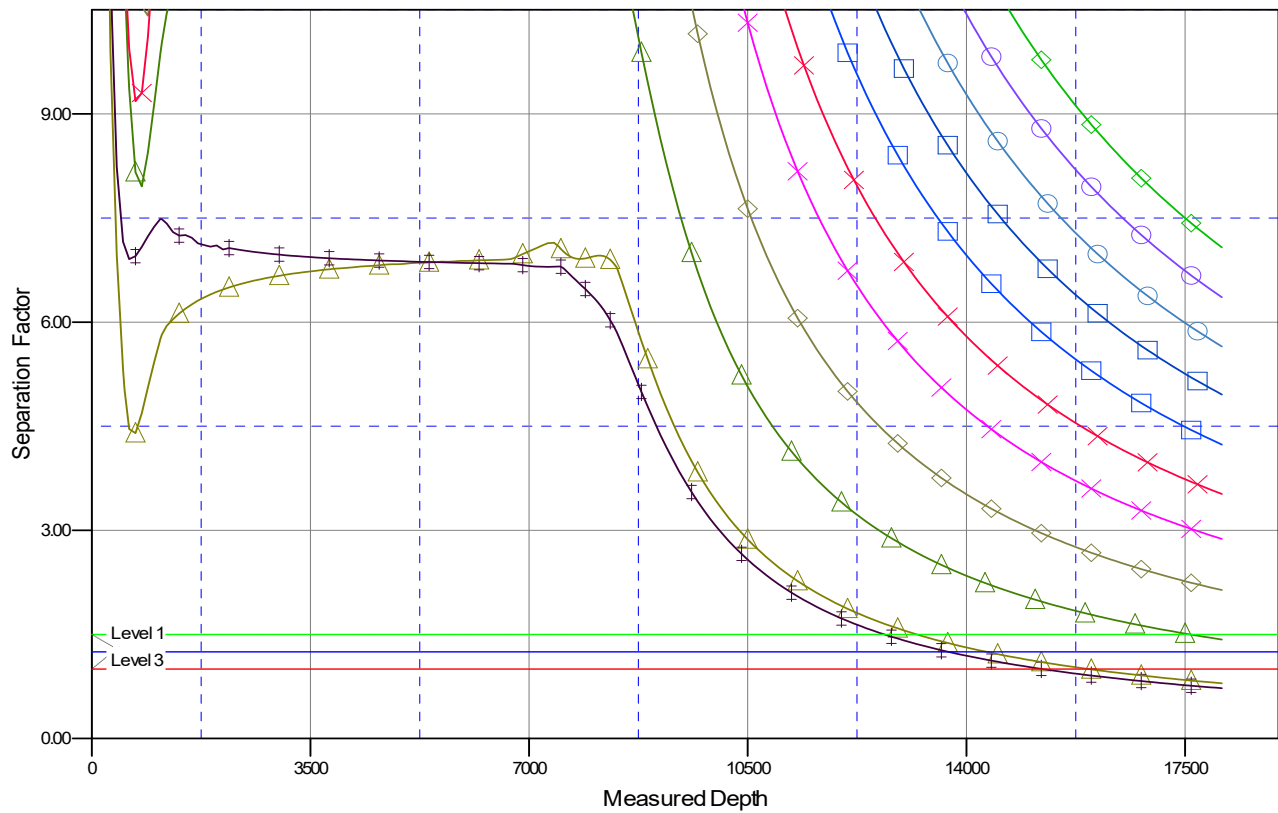
## Anticollision Report

<b>Company:</b>	AXIS EXPLORATION	<b>Local Co-ordinate Reference:</b>	Well JAMASO 4-65 5-6-2
<b>Project:</b>	ARAPAHOE COUNTY	<b>TVD Reference:</b>	KB 25' @ 5610.00usft
<b>Reference Site:</b>	Sec 4-T4S-R65W	<b>MD Reference:</b>	KB 25' @ 5610.00usft
<b>Site Error:</b>	0.00 usft	<b>North Reference:</b>	True
<b>Reference Well:</b>	JAMASO 4-65 5-6-2	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Well Error:</b>	0.00 usft	<b>Output errors are at</b>	2.00 sigma
<b>Reference Wellbore</b>	ORIGINAL WELLBORE	<b>Database:</b>	EDT_32Bit_ODBC
<b>Reference Design:</b>	PROPOSAL 1	<b>Offset TVD Reference:</b>	Offset Datum

Reference Depths are relative to KB 25' @ 5610.00usft  
 Offset Depths are relative to Offset Datum  
 Central Meridian is 105° 30' 0.000 W

Coordinates are relative to: JAMASO 4-65 5-6-2  
 Coordinate System is US State Plane 1983, Colorado Northern Zone  
 Grid Convergence at Surface is: 0.53°

### Separation Factor Plot



#### LEGEND

JAMASO 4-65 5-6-12, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-4, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-5, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-3, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-8, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-9, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-6, ORIGINAL WELLBORE, PROPOSAL 1 V0	EXIST DD PROPERTY RESERVE 4-65 3-4 1H Wellbore #1, Wellbore #1 V0	JAMASO 4-65 5-6-7, ORIGINAL WELLBORE, PROPOSAL 1 V0
JAMASO 4-65 5-6-1, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-10, ORIGINAL WELLBORE, PROPOSAL 1 V0	JAMASO 4-65 5-6-11, ORIGINAL WELLBORE, PROPOSAL 1 V0