

NM OIL CONSERVATION
ARTESIA DISTRICT

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Yates Petroleum

Eddy County , N.M. NAD 83

Section 25/36-26S-27E Chamaeleon BIN State Com 2H

Chamaeleon BIN State Com #2H

Original Hole

Design: Original Hole

Survey Report - Geographic

17 September, 2014

30-015-42059

Stryker Directional

Survey Report - Geographic

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well Chamaeleon BIN State Com #2H
Project:	Eddy County , N.M. NAD 83	TVD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Site:	Section 25/36-26S-27E Chamaeleon BIN State Com 2H	MD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Well:	Chamaeleon BIN State Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Project	Eddy County , N.M. NAD 83		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Section 25/36-26S-27E Chamaeleon BIN State Com 2H					
Site Position:		Northing:	371,226.09 usft	Latitude:	32° 1' 13.550 N
From:	Map	Easting:	601,766.64 usft	Longitude:	104° 8' 18.060 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.10 °

Well	Chamaeleon BIN State Com #2H					
Well Position	+N/-S	0.0 usft	Northing:	371,226.09 usft	Latitude:	32° 1' 13.550 N
	+E/-W	0.0 usft	Easting:	601,766.64 usft	Longitude:	104° 8' 18.060 W
Position Uncertainty	0.0 usft	Wellhead Elevation:	0.0 usft	Ground Level:	3,110.0 usft	

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	8/12/2014	7.44	59.82	48,119

Design	Original Hole				
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Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	177.17

Survey Program	Date 9/17/2014			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	260.0	MS Gyro Survey (Original Hole)	Gyro	Gyro
260.0	14,596.0	Stryker MWD (Original Hole)	MWD	MWD v3:standard declination

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
0.0	0.00	0.00	0.0	0.0	0.0	371,226.09	601,766.64	32° 1' 13.550 N	104° 8' 18.060 W	
100.0	0.47	208.54	100.0	-0.4	-0.2	371,225.73	601,766.45	32° 1' 13.547 N	104° 8' 18.062 W	
200.0	0.28	226.50	200.0	-0.9	-0.6	371,225.20	601,766.07	32° 1' 13.542 N	104° 8' 18.067 W	
260.0	0.15	338.77	260.0	-0.9	-0.7	371,225.17	601,765.94	32° 1' 13.541 N	104° 8' 18.068 W	
260' MS Gyro Survey										
453.0	0.40	283.40	453.0	-0.5	-1.5	371,225.56	601,765.19	32° 1' 13.545 N	104° 8' 18.077 W	
539.0	1.10	286.50	539.0	-0.2	-2.5	371,225.87	601,764.11	32° 1' 13.548 N	104° 8' 18.090 W	
629.0	1.10	276.20	629.0	0.1	-4.2	371,226.21	601,762.42	32° 1' 13.552 N	104° 8' 18.109 W	
717.0	1.10	276.50	717.0	0.3	-5.9	371,226.39	601,760.74	32° 1' 13.554 N	104° 8' 18.129 W	
803.0	1.30	281.60	802.9	0.6	-7.7	371,226.68	601,758.97	32° 1' 13.556 N	104° 8' 18.149 W	

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Site:	Section 25/36-26S-27E Chamaeleon BIN State Com 2H	MD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Well:	Chamaeleon BIN State Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude
888.0	1.90	285.00	887.9	1.2	-10.0	371,227.24	601,756.66	32° 1' 13.562 N	104° 8' 18.176 W
978.0	3.50	296.10	977.8	2.7	-13.9	371,228.84	601,752.75	32° 1' 13.578 N	104° 8' 18.221 W
1,072.0	3.40	304.80	1,071.6	5.6	-18.8	371,231.69	601,747.89	32° 1' 13.606 N	104° 8' 18.278 W
1,166.0	1.20	313.90	1,165.5	7.9	-21.8	371,233.96	601,744.89	32° 1' 13.629 N	104° 8' 18.313 W
1,261.0	1.40	228.60	1,260.5	7.8	-23.3	371,233.89	601,743.30	32° 1' 13.628 N	104° 8' 18.331 W
1,355.0	1.50	237.30	1,354.5	6.4	-25.2	371,232.46	601,741.40	32° 1' 13.614 N	104° 8' 18.353 W
1,449.0	1.70	229.10	1,448.5	4.8	-27.3	371,230.88	601,739.32	32° 1' 13.598 N	104° 8' 18.377 W
1,543.0	1.00	188.80	1,542.4	3.1	-28.5	371,229.16	601,738.14	32° 1' 13.581 N	104° 8' 18.391 W
1,637.0	1.30	121.00	1,636.4	1.7	-27.7	371,227.80	601,738.92	32° 1' 13.568 N	104° 8' 18.382 W
1,727.0	2.40	109.00	1,726.4	0.6	-25.1	371,226.66	601,741.58	32° 1' 13.557 N	104° 8' 18.351 W
1,821.0	2.50	103.80	1,820.3	-0.6	-21.2	371,225.53	601,745.43	32° 1' 13.545 N	104° 8' 18.307 W
1,915.0	4.10	95.70	1,914.1	-1.4	-15.9	371,224.71	601,750.77	32° 1' 13.537 N	104° 8' 18.245 W
2,009.0	4.80	90.60	2,007.8	-1.8	-8.6	371,224.33	601,758.05	32° 1' 13.533 N	104° 8' 18.160 W
2,104.0	4.40	83.10	2,102.5	-1.4	-1.0	371,224.73	601,765.64	32° 1' 13.537 N	104° 8' 18.072 W
2,198.0	2.10	78.20	2,196.4	-0.6	4.3	371,225.51	601,770.90	32° 1' 13.545 N	104° 8' 18.011 W
2,292.0	1.10	70.00	2,290.3	0.1	6.8	371,226.18	601,773.44	32° 1' 13.551 N	104° 8' 17.981 W
2,393.0	1.10	54.90	2,391.3	1.0	8.5	371,227.06	601,775.14	32° 1' 13.560 N	104° 8' 17.961 W
2,493.0	0.90	70.30	2,491.3	1.8	10.0	371,227.88	601,776.67	32° 1' 13.568 N	104° 8' 17.944 W
2,591.0	0.80	72.90	2,589.3	2.3	11.4	371,228.34	601,778.04	32° 1' 13.573 N	104° 8' 17.928 W
2,686.0	1.00	60.80	2,684.3	2.9	12.8	371,228.94	601,779.40	32° 1' 13.578 N	104° 8' 17.912 W
2,780.0	0.90	58.10	2,778.3	3.6	14.1	371,229.73	601,780.75	32° 1' 13.586 N	104° 8' 17.896 W
2,874.0	1.10	55.30	2,872.3	4.5	15.5	371,230.64	601,782.11	32° 1' 13.595 N	104° 8' 17.880 W
2,969.0	1.10	68.00	2,967.2	5.4	17.1	371,231.50	601,783.71	32° 1' 13.604 N	104° 8' 17.862 W
3,063.0	1.10	62.50	3,061.2	6.2	18.7	371,232.25	601,785.35	32° 1' 13.611 N	104° 8' 17.843 W
3,157.0	0.70	63.30	3,155.2	6.8	20.0	371,232.93	601,786.66	32° 1' 13.618 N	104° 8' 17.827 W
3,345.0	0.60	38.50	3,343.2	8.1	21.7	371,234.21	601,788.30	32° 1' 13.630 N	104° 8' 17.808 W
3,535.0	0.40	21.70	3,533.2	9.5	22.5	371,235.61	601,789.16	32° 1' 13.644 N	104° 8' 17.798 W
3,723.0	0.40	7.10	3,721.2	10.8	22.8	371,236.87	601,789.49	32° 1' 13.657 N	104° 8' 17.795 W
3,911.0	0.20	284.00	3,909.2	11.5	22.6	371,237.60	601,789.25	32° 1' 13.664 N	104° 8' 17.797 W
4,099.0	0.50	272.50	4,097.2	11.6	21.5	371,237.71	601,788.11	32° 1' 13.665 N	104° 8' 17.811 W
4,287.0	0.40	246.10	4,285.2	11.4	20.0	371,237.48	601,786.69	32° 1' 13.663 N	104° 8' 17.827 W
4,476.0	0.90	226.30	4,474.2	10.1	18.4	371,236.19	601,785.02	32° 1' 13.650 N	104° 8' 17.847 W
4,664.0	1.20	221.40	4,662.1	7.6	16.0	371,233.69	601,782.65	32° 1' 13.625 N	104° 8' 17.874 W
4,852.0	1.30	228.00	4,850.1	4.7	13.1	371,230.79	601,779.76	32° 1' 13.597 N	104° 8' 17.908 W
5,040.0	1.60	226.70	5,038.0	1.5	9.6	371,227.56	601,776.26	32° 1' 13.565 N	104° 8' 17.948 W
5,229.0	1.70	225.90	5,227.0	-2.3	5.7	371,223.80	601,772.33	32° 1' 13.528 N	104° 8' 17.994 W
5,417.0	1.30	256.00	5,414.9	-4.7	1.6	371,221.35	601,768.26	32° 1' 13.503 N	104° 8' 18.041 W
5,605.0	0.10	315.60	5,602.9	-5.1	-0.6	371,220.95	601,766.07	32° 1' 13.500 N	104° 8' 18.067 W
5,793.0	0.40	178.80	5,790.9	-5.7	-0.7	371,220.41	601,765.97	32° 1' 13.494 N	104° 8' 18.068 W
5,982.0	0.40	194.50	5,979.9	-7.0	-0.8	371,219.11	601,765.82	32° 1' 13.481 N	104° 8' 18.070 W
6,170.0	0.90	209.10	6,167.9	-8.9	-1.7	371,217.18	601,764.94	32° 1' 13.462 N	104° 8' 18.080 W
6,358.0	1.30	234.70	6,355.8	-11.4	-4.2	371,214.66	601,762.48	32° 1' 13.437 N	104° 8' 18.109 W
6,546.0	1.10	251.10	6,543.8	-13.2	-7.6	371,212.84	601,759.03	32° 1' 13.420 N	104° 8' 18.149 W
6,735.0	1.50	246.80	6,732.7	-14.8	-11.6	371,211.28	601,755.04	32° 1' 13.404 N	104° 8' 18.195 W
6,923.0	1.90	214.70	6,920.7	-18.3	-15.6	371,207.75	601,751.01	32° 1' 13.369 N	104° 8' 18.242 W
7,111.0	1.70	204.90	7,108.6	-23.4	-18.6	371,202.66	601,748.06	32° 1' 13.319 N	104° 8' 18.276 W
7,143.0	1.70	201.80	7,140.5	-24.3	-19.0	371,201.79	601,747.68	32° 1' 13.310 N	104° 8' 18.281 W
7,174.0	1.90	201.80	7,171.5	-25.2	-19.3	371,200.88	601,747.32	32° 1' 13.301 N	104° 8' 18.285 W
7,205.0	4.40	172.90	7,202.5	-26.9	-19.4	371,199.23	601,747.28	32° 1' 13.285 N	104° 8' 18.286 W
7,236.0	8.60	167.00	7,233.3	-30.3	-18.7	371,195.79	601,747.95	32° 1' 13.251 N	104° 8' 18.278 W
7,268.0	11.50	168.60	7,264.8	-35.8	-17.5	371,190.33	601,749.12	32° 1' 13.197 N	104° 8' 18.264 W
7,299.0	13.80	170.60	7,295.0	-42.4	-16.3	371,183.65	601,750.33	32° 1' 13.131 N	104° 8' 18.251 W
7,331.0	16.30	168.40	7,325.9	-50.6	-14.8	371,175.48	601,751.86	32° 1' 13.050 N	104° 8' 18.233 W
7,362.0	19.20	168.00	7,355.5	-59.9	-12.9	371,166.23	601,753.79	32° 1' 12.958 N	104° 8' 18.211 W

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Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
7,394.0	21.90	167.10	7,385.4	-70.8	-10.4	371,155.27	601,756.22	32° 1' 12.850 N	104° 8' 18.183 W	
7,425.0	25.50	167.90	7,413.8	-83.0	-7.7	371,143.10	601,758.91	32° 1' 12.729 N	104° 8' 18.152 W	
7,456.0	28.90	170.50	7,441.4	-96.9	-5.1	371,129.19	601,761.54	32° 1' 12.592 N	104° 8' 18.121 W	
7,488.0	31.10	171.40	7,469.1	-112.7	-2.6	371,113.39	601,764.06	32° 1' 12.435 N	104° 8' 18.093 W	
7,519.0	33.00	173.50	7,495.4	-129.0	-0.4	371,097.08	601,766.21	32° 1' 12.274 N	104° 8' 18.068 W	
7,551.0	36.50	176.70	7,521.6	-147.2	1.1	371,078.91	601,767.75	32° 1' 12.094 N	104° 8' 18.050 W	
7,582.0	40.10	177.20	7,546.0	-166.4	2.1	371,059.73	601,768.76	32° 1' 11.904 N	104° 8' 18.039 W	
7,614.0	44.80	176.30	7,569.6	-187.9	3.4	371,038.17	601,770.00	32° 1' 11.691 N	104° 8' 18.025 W	
7,645.0	48.80	176.20	7,590.8	-210.5	4.8	371,015.63	601,771.47	32° 1' 11.468 N	104° 8' 18.008 W	
7,676.0	51.90	176.40	7,610.6	-234.3	6.4	370,991.81	601,773.01	32° 1' 11.232 N	104° 8' 17.991 W	
7,708.0	54.20	176.40	7,629.8	-259.8	8.0	370,966.29	601,774.62	32° 1' 10.979 N	104° 8' 17.973 W	
7,739.0	56.10	175.60	7,647.5	-285.2	9.8	370,940.92	601,776.40	32° 1' 10.728 N	104° 8' 17.953 W	
7,771.0	58.70	175.10	7,664.8	-312.0	11.9	370,914.05	601,778.58	32° 1' 10.462 N	104° 8' 17.928 W	
7,802.0	61.90	175.50	7,680.1	-338.9	14.1	370,887.22	601,780.79	32° 1' 10.197 N	104° 8' 17.903 W	
7,833.0	64.50	175.90	7,694.1	-366.5	16.2	370,859.63	601,782.86	32° 1' 9.924 N	104° 8' 17.879 W	
7,868.0	66.90	175.00	7,708.5	-398.3	18.7	370,827.83	601,785.39	32° 1' 9.609 N	104° 8' 17.851 W	
7,899.0	68.40	174.60	7,720.3	-426.8	21.3	370,799.28	601,787.99	32° 1' 9.326 N	104° 8' 17.821 W	
7,931.0	70.10	175.10	7,731.6	-456.6	24.0	370,769.47	601,790.68	32° 1' 9.031 N	104° 8' 17.791 W	
7,962.0	71.70	176.60	7,741.8	-485.8	26.2	370,740.26	601,792.80	32° 1' 8.742 N	104° 8' 17.767 W	
7,994.0	74.10	177.50	7,751.2	-516.4	27.7	370,709.72	601,794.37	32° 1' 8.440 N	104° 8' 17.749 W	
8,025.0	77.10	177.50	7,758.9	-546.4	29.0	370,679.72	601,795.68	32° 1' 8.143 N	104° 8' 17.734 W	
8,056.0	80.10	177.30	7,765.0	-576.7	30.4	370,649.37	601,797.06	32° 1' 7.842 N	104° 8' 17.719 W	
8,088.0	83.30	176.90	7,769.6	-608.3	32.0	370,617.75	601,798.66	32° 1' 7.530 N	104° 8' 17.701 W	
8,119.0	86.80	176.50	7,772.3	-639.2	33.8	370,586.92	601,800.44	32° 1' 7.224 N	104° 8' 17.681 W	
8,142.0	88.90	177.40	7,773.2	-662.1	35.0	370,563.97	601,801.66	32° 1' 6.997 N	104° 8' 17.667 W	
8,173.0	90.80	177.20	7,773.2	-693.1	36.5	370,533.01	601,803.12	32° 1' 6.691 N	104° 8' 17.651 W	
8,205.0	91.20	177.20	7,772.7	-725.0	38.0	370,501.05	601,804.68	32° 1' 6.375 N	104° 8' 17.633 W	
8,236.0	91.50	177.20	7,771.9	-756.0	39.6	370,470.10	601,806.20	32° 1' 6.068 N	104° 8' 17.617 W	
8,267.0	91.80	177.30	7,771.1	-786.9	41.0	370,439.15	601,807.68	32° 1' 5.762 N	104° 8' 17.600 W	
8,299.0	92.30	177.50	7,769.9	-818.9	42.5	370,407.20	601,809.13	32° 1' 5.446 N	104° 8' 17.584 W	
8,330.0	92.00	177.60	7,768.7	-849.8	43.8	370,376.25	601,810.46	32° 1' 5.139 N	104° 8' 17.569 W	
8,362.0	92.40	177.90	7,767.5	-881.8	45.1	370,344.30	601,811.71	32° 1' 4.823 N	104° 8' 17.555 W	
8,455.0	90.70	177.60	7,765.0	-974.7	48.7	370,251.41	601,815.36	32° 1' 3.904 N	104° 8' 17.515 W	
8,550.0	90.00	176.70	7,764.4	-1,069.6	53.4	370,156.53	601,820.09	32° 1' 2.965 N	104° 8' 17.462 W	
8,644.0	90.10	176.10	7,764.3	-1,163.4	59.3	370,062.71	601,825.99	32° 1' 2.036 N	104° 8' 17.395 W	
8,738.0	89.50	176.30	7,764.7	-1,257.2	65.6	369,968.92	601,832.22	32° 1' 1.108 N	104° 8' 17.325 W	
8,833.0	90.80	176.20	7,764.4	-1,352.0	71.8	369,874.13	601,838.43	32° 1' 0.170 N	104° 8' 17.255 W	
8,927.0	89.50	176.30	7,764.2	-1,445.8	77.9	369,780.33	601,844.58	32° 0' 59.241 N	104° 8' 17.185 W	
9,021.0	90.10	175.70	7,764.5	-1,539.5	84.5	369,686.56	601,851.14	32° 0' 58.313 N	104° 8' 17.111 W	
9,115.0	89.20	175.20	7,765.1	-1,633.2	91.9	369,592.86	601,858.59	32° 0' 57.386 N	104° 8' 17.026 W	
9,209.0	88.50	176.00	7,767.0	-1,726.9	99.2	369,499.16	601,865.80	32° 0' 56.458 N	104° 8' 16.945 W	
9,303.0	89.50	175.70	7,768.6	-1,820.7	106.0	369,405.42	601,872.60	32° 0' 55.531 N	104° 8' 16.868 W	
9,397.0	88.70	176.70	7,770.1	-1,914.4	112.2	369,311.64	601,878.83	32° 0' 54.602 N	104° 8' 16.797 W	
9,491.0	88.00	178.50	7,772.8	-2,008.3	116.1	369,217.77	601,882.77	32° 0' 53.673 N	104° 8' 16.753 W	
9,585.0	88.90	178.60	7,775.3	-2,102.3	118.5	369,123.83	601,885.15	32° 0' 52.744 N	104° 8' 16.728 W	
9,680.0	90.20	178.60	7,776.1	-2,197.2	120.8	369,028.86	601,887.47	32° 0' 51.804 N	104° 8' 16.703 W	
9,774.0	90.60	178.20	7,775.4	-2,291.2	123.4	368,934.90	601,890.09	32° 0' 50.874 N	104° 8' 16.674 W	
9,868.0	91.60	178.10	7,773.6	-2,385.1	126.5	368,840.97	601,893.12	32° 0' 49.944 N	104° 8' 16.641 W	
9,963.0	90.90	178.20	7,771.5	-2,480.0	129.5	368,746.04	601,896.19	32° 0' 49.005 N	104° 8' 16.607 W	
10,063.0	86.80	177.60	7,773.6	-2,579.9	133.2	368,646.15	601,899.85	32° 0' 48.016 N	104° 8' 16.567 W	
10,157.0	89.50	177.70	7,776.6	-2,673.8	137.1	368,552.29	601,903.71	32° 0' 47.087 N	104° 8' 16.524 W	
10,251.0	90.90	177.40	7,776.3	-2,767.7	141.1	368,458.38	601,907.72	32° 0' 46.158 N	104° 8' 16.479 W	
10,345.0	90.40	176.40	7,775.2	-2,861.6	146.2	368,364.52	601,912.81	32° 0' 45.229 N	104° 8' 16.422 W	
10,439.0	88.60	177.10	7,776.0	-2,955.4	151.5	368,270.68	601,918.14	32° 0' 44.300 N	104° 8' 16.363 W	

Stryker Directional

Survey Report - Geographic

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well Chamaeleon BIN State Com #2H
Project:	Eddy County , N.M. NAD 83	TVD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Site:	Section 25/36-26S-27E Chamaeleon BIN State Com 2H	MD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Well:	Chamaeleon BIN State Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
10,533.0	89.80	177.00	7,777.3	-3,049.3	156.3	368,176.82	601,922.97	32° 0' 43.371 N	104° 8' 16.308 W	
10,627.0	89.30	176.90	7,778.1	-3,143.1	161.3	368,082.95	601,927.97	32° 0' 42.442 N	104° 8' 16.252 W	
10,721.0	89.00	177.70	7,779.5	-3,237.0	165.8	367,989.07	601,932.40	32° 0' 41.513 N	104° 8' 16.203 W	
10,816.0	87.60	177.50	7,782.3	-3,331.9	169.7	367,894.20	601,936.38	32° 0' 40.574 N	104° 8' 16.159 W	
10,910.0	89.40	177.20	7,784.7	-3,425.8	174.1	367,800.33	601,940.72	32° 0' 39.645 N	104° 8' 16.110 W	
11,004.0	90.60	177.10	7,784.7	-3,519.6	178.8	367,706.45	601,945.40	32° 0' 38.716 N	104° 8' 16.058 W	
11,098.0	89.90	177.20	7,784.3	-3,613.5	183.4	367,612.57	601,950.07	32° 0' 37.787 N	104° 8' 16.005 W	
11,192.0	88.50	177.20	7,785.6	-3,707.4	188.0	367,518.69	601,954.66	32° 0' 36.857 N	104° 8' 15.954 W	
11,286.0	90.10	177.20	7,786.8	-3,801.3	192.6	367,424.82	601,959.25	32° 0' 35.928 N	104° 8' 15.903 W	
11,380.0	89.50	177.60	7,787.1	-3,895.2	196.9	367,330.91	601,963.52	32° 0' 34.999 N	104° 8' 15.855 W	
11,474.0	90.70	177.70	7,787.0	-3,989.1	200.7	367,236.99	601,967.37	32° 0' 34.069 N	104° 8' 15.812 W	
11,569.0	90.30	178.60	7,786.1	-4,084.0	203.8	367,142.05	601,970.44	32° 0' 33.130 N	104° 8' 15.779 W	
11,663.0	89.80	179.00	7,786.0	-4,178.0	205.8	367,048.07	601,972.41	32° 0' 32.200 N	104° 8' 15.758 W	
11,757.0	88.50	178.40	7,787.4	-4,272.0	207.9	366,954.11	601,974.54	32° 0' 31.270 N	104° 8' 15.735 W	
11,851.0	88.50	176.40	7,789.9	-4,365.8	212.2	366,860.24	601,978.80	32° 0' 30.341 N	104° 8' 15.688 W	
11,945.0	90.00	176.40	7,791.1	-4,459.7	218.1	366,766.44	601,984.70	32° 0' 29.412 N	104° 8' 15.621 W	
12,039.0	90.40	176.80	7,790.8	-4,553.5	223.6	366,672.60	601,990.28	32° 0' 28.484 N	104° 8' 15.558 W	
12,134.0	89.00	177.40	7,791.3	-4,648.4	228.4	366,577.73	601,995.08	32° 0' 27.545 N	104° 8' 15.504 W	
12,228.0	88.40	177.10	7,793.4	-4,742.2	232.9	366,483.86	601,999.59	32° 0' 26.616 N	104° 8' 15.454 W	
12,322.0	89.60	177.50	7,795.1	-4,836.1	237.4	366,389.98	602,004.02	32° 0' 25.686 N	104° 8' 15.405 W	
12,416.0	88.50	176.40	7,796.6	-4,930.0	242.4	366,296.13	602,009.02	32° 0' 24.758 N	104° 8' 15.348 W	
12,510.0	90.20	176.20	7,797.7	-5,023.8	248.4	366,202.34	602,015.08	32° 0' 23.829 N	104° 8' 15.280 W	
12,605.0	90.80	176.00	7,796.9	-5,118.5	254.9	366,107.56	602,021.55	32° 0' 22.891 N	104° 8' 15.207 W	
12,700.0	89.30	175.40	7,796.8	-5,213.3	262.0	366,012.83	602,028.67	32° 0' 21.954 N	104° 8' 15.126 W	
12,794.0	90.60	176.70	7,796.9	-5,307.0	268.5	365,919.06	602,035.14	32° 0' 21.025 N	104° 8' 15.053 W	
12,888.0	89.30	177.30	7,796.9	-5,400.9	273.4	365,825.19	602,040.06	32° 0' 20.096 N	104° 8' 14.998 W	
12,982.0	89.60	177.70	7,797.8	-5,494.8	277.5	365,731.28	602,044.16	32° 0' 19.167 N	104° 8' 14.952 W	
13,076.0	91.10	178.10	7,797.3	-5,588.7	281.0	365,637.35	602,047.61	32° 0' 18.237 N	104° 8' 14.914 W	
13,171.0	91.10	178.60	7,795.4	-5,683.7	283.7	365,542.41	602,050.34	32° 0' 17.298 N	104° 8' 14.884 W	
13,265.0	90.20	177.60	7,794.4	-5,777.6	286.8	365,448.47	602,053.46	32° 0' 16.368 N	104° 8' 14.850 W	
13,359.0	88.00	177.10	7,795.9	-5,871.5	291.2	365,354.59	602,057.80	32° 0' 15.439 N	104° 8' 14.802 W	
13,454.0	88.30	176.40	7,798.9	-5,966.3	296.5	365,259.79	602,063.19	32° 0' 14.501 N	104° 8' 14.741 W	
13,548.0	88.10	176.20	7,801.9	-6,060.1	302.6	365,166.03	602,069.25	32° 0' 13.573 N	104° 8' 14.673 W	
13,642.0	88.90	176.70	7,804.3	-6,153.8	308.4	365,072.25	602,075.07	32° 0' 12.644 N	104° 8' 14.607 W	
13,736.0	89.50	177.50	7,805.7	-6,247.7	313.2	364,978.38	602,079.82	32° 0' 11.715 N	104° 8' 14.554 W	
13,829.0	91.20	176.90	7,805.1	-6,340.6	317.7	364,885.49	602,084.37	32° 0' 10.796 N	104° 8' 14.503 W	
13,923.0	92.00	176.70	7,802.5	-6,434.4	323.0	364,791.68	602,089.61	32° 0' 9.868 N	104° 8' 14.444 W	
14,018.0	90.90	176.40	7,800.1	-6,529.2	328.7	364,696.88	602,095.33	32° 0' 8.929 N	104° 8' 14.380 W	
14,112.0	91.90	176.20	7,797.8	-6,623.0	334.7	364,603.11	602,101.39	32° 0' 8.001 N	104° 8' 14.311 W	
14,206.0	91.00	176.00	7,795.4	-6,716.7	341.1	364,509.36	602,107.78	32° 0' 7.073 N	104° 8' 14.239 W	
14,300.0	91.80	175.90	7,793.1	-6,810.5	347.8	364,415.62	602,114.42	32° 0' 6.145 N	104° 8' 14.164 W	
14,394.0	90.50	176.50	7,791.2	-6,904.2	354.0	364,321.85	602,120.65	32° 0' 5.217 N	104° 8' 14.094 W	
14,488.0	91.40	175.90	7,789.6	-6,998.0	360.2	364,228.07	602,126.88	32° 0' 4.289 N	104° 8' 14.023 W	
14,551.0	92.00	175.20	7,787.8	-7,060.8	365.1	364,165.29	602,131.76	32° 0' 3.668 N	104° 8' 13.968 W	
14,596.0	92.00	175.20	7,786.2	-7,105.6	368.9	364,120.47	602,135.52	32° 0' 3.224 N	104° 8' 13.925 W	

14596' MD Projected to Bit

Stryker Directional

Survey Report - Geographic

Company:	Yates Petroleum	Local Co-ordinate Reference:	Well Chamaeleon BIN State Com #2H
Project:	Eddy County , N.M. NAD 83	TVD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Site:	Section 25/36-26S-27E Chamaeleon BIN State Com 2H	MD Reference:	3110 + 18.5 @ 3128.5usft (McVay #8)
Well:	Chamaeleon BIN State Com #2H	North Reference:	Grid
Wellbore:	Original Hole	Survey Calculation Method:	Minimum Curvature
Design:	Original Hole	Database:	Stryker_EDM

Design Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
260.0	260.0	-0.9	-0.7	260' MS Gyro Survey
14,596.0	7,786.2	-7,105.6	368.9	14596' MD Projected to Bit