

Unit Petroleum

**Reno County, Kansas
Section 33 T25S-R10W
Rock Chalk Farms 33 #1H**

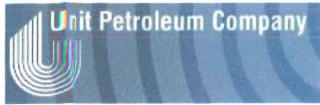
STK

Design: STK

Standard Survey Report

07 October, 2013





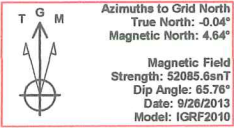
Unit Petroleum
 Project: Reno County, Kansas
 Site: Section 33 T25S-R10W
 Well: Rock Chalk Farms 33 #1H
 Wellbore: STK
 Design: STK Design #1
 Lat: 37° 50' 18.664 N
 Long: 98° 25' 59.627 W
 Pad GL: 1758.00
 KB: RKB 14' @ 1772.00usft (UDI 331)



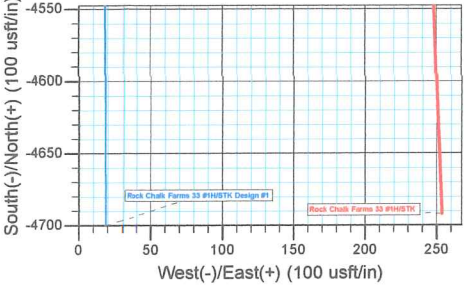
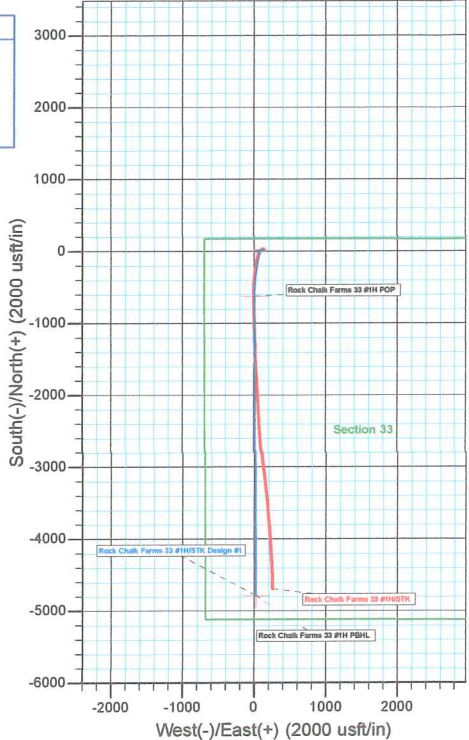
SECTION DETAILS									
MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	Vsect	
2890.10	1.17	70.16	2683.35	25.89	141.55	0.00	0.00	-26.33	
2775.00	1.15	74.94	2768.23	27.40	143.29	0.12	104.06	-26.84	
2887.36	5.00	270.00	2890.46	27.72	139.44	5.00	-167.73	-27.17	
3361.51	5.00	270.00	3352.84	27.72	98.69	0.00	0.00	-27.33	
3915.49	56.00	188.80	3820.70	-218.84	35.18	10.00	-84.79	218.98	
4035.49	56.00	188.80	3887.80	-317.21	20.30	0.00	0.00	317.29	
4324.52	89.66	179.77	3972.00	-586.33	2.42	12.00	-15.65	586.33	
8516.41	89.66	179.77	3997.00	-4782.30	19.00	0.00	0.00	4782.34	

PROJECT DETAILS: Reno County, Kansas
 Geodetic System: US State Plane 1983
 Datum: North American Datum 1983
 Ellipsoid: GRS 1980
 Zone: Kansas Southern Zone
 System Datum: Mean Sea Level

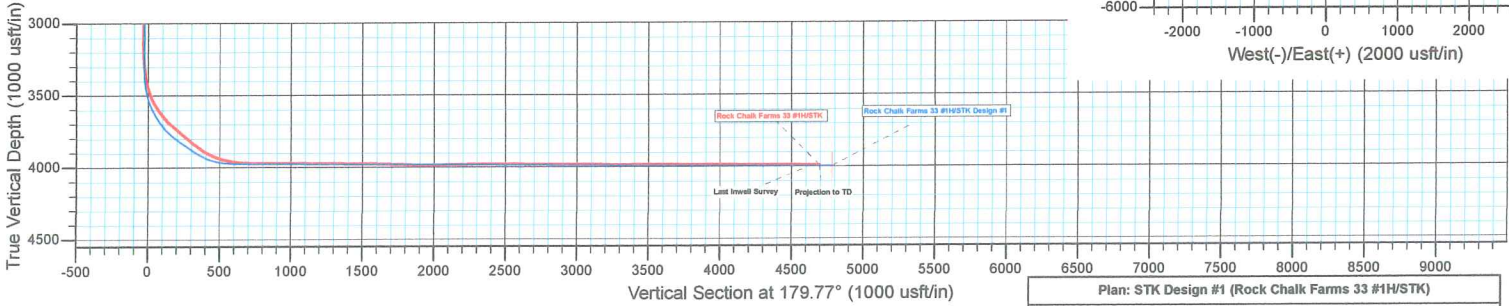
WELL DETAILS: Rock Chalk Farms 33 #1H							
+N-S	+E-W	Northing	Ground Level	Easting	Latitude	Longitude	Slot
0.00	0.00	1739037.00	1758.00	1331615.00	37° 50' 18.664 N	98° 25' 59.627 W	



WELLBORE TARGET DETAILS (LAT/LONG)						
Name	TVD	+N-S	+E-W	Latitude	Longitude	Shape
Rock Chalk Farms 33 #1H POP	0.00	-525.04	2.00	37° 50' 12.485 N	98° 25' 59.808 W	Point
Rock Chalk Farms 33 #1H PBHL	3997.00	-4782.30	19.00	37° 49' 31.386 N	98° 25' 59.433 W	Point



NOTE: All Lease lines and Hard lines are estimates only and are subject to the customers' approval.



Plan: STK Design #1 (Rock Chalk Farms 33 #1H/STK)
 Created By: Derek Stephens Date: 9:51, October 07 2013

Company:	Unit Petroleum	Local Co-ordinate Reference:	Well Rock Chalk Farms 33 #1H
Project:	Reno County, Kansas	TVD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Site:	Section 33 T25S-R10W	MD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Well:	Rock Chalk Farms 33 #1H	North Reference:	Grid
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	STK	Database:	EDM 5000.1 Single User Db

Project:	Reno County, Kansas		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Kansas Southern Zone		Using geodetic scale factor

Site:	Section 33 T25S-R10W				
Site Position:		Northing:	1,739,037.00 usft	Latitude:	37° 50' 18.664 N
From:	Map	Easting:	1,331,615.00 usft	Longitude:	98° 25' 59.627 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.04 °

Well:	Rock Chalk Farms 33 #1H					
Well Position	+N/-S	0.00 usft	Northing:	1,739,037.00 usft	Latitude:	37° 50' 18.664 N
	+E/-W	0.00 usft	Easting:	1,331,615.00 usft	Longitude:	98° 25' 59.627 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	1,758.00 usft

Wellbore:	STK				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	9/26/2013	4.69	65.76	52,086

Design:	STK				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	2,597.31
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	179.77	

Survey Program	Date	10/7/2013			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
91.98	2,597.31	Gyro (OH)	CB-GYRO-MS	Camera based gyro multishot	
2,653.00	8,395.00	MWD (STK)	MWD	MWD - Standard	

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Rock Chalk Farms 33 #1H POP										
91.98	0.29	19.39	91.98	0.22	0.08	-0.22	0.32	0.32	0.00	
184.77	0.11	42.35	184.77	0.51	0.22	-0.51	0.21	-0.19	24.74	
277.56	0.45	78.16	277.56	0.65	0.63	-0.64	0.39	0.37	38.59	
370.35	0.61	154.21	370.34	0.28	1.20	-0.27	0.72	0.17	81.96	
463.14	0.60	56.74	463.13	0.10	1.82	-0.09	0.98	-0.01	-105.04	
555.93	1.31	79.45	555.91	0.56	3.27	-0.55	0.85	0.77	24.47	
648.72	1.52	71.08	648.67	1.15	5.48	-1.13	0.32	0.23	-9.02	
741.51	1.21	80.81	741.43	1.71	7.61	-1.68	0.42	-0.33	10.49	

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Site:	Section 33 T25S-R10W	MD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Well:	Rock Chalk Farms 33 #1H	North Reference:	Grid
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	STK	Database:	EDM 5000.1 Single User Db

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
834.30	1.70	88.63	834.19	1.90	9.95	-1.86	0.57	0.53	8.43
927.09	1.66	85.52	926.94	2.04	12.67	-1.99	0.11	-0.04	-3.35
1,019.88	2.01	89.60	1,019.69	2.15	15.64	-2.09	0.40	0.38	4.40
1,112.67	2.68	89.90	1,112.40	2.17	19.43	-2.09	0.72	0.72	0.32
1,205.46	3.62	84.30	1,205.05	2.46	24.52	-2.36	1.06	1.01	-6.04
1,298.25	4.94	80.77	1,297.58	3.39	31.38	-3.27	1.45	1.42	-3.80
1,391.04	5.67	80.45	1,389.97	4.80	39.84	-4.64	0.79	0.79	-0.34
1,483.83	6.89	79.37	1,482.20	6.58	49.83	-6.38	1.32	1.31	-1.16
1,576.62	7.71	82.76	1,574.24	8.39	61.48	-8.15	1.00	0.88	3.65
1,669.41	8.06	84.75	1,666.15	9.77	74.13	-9.48	0.48	0.38	2.14
1,762.20	9.69	80.41	1,757.83	11.67	88.31	-11.32	1.90	1.76	-4.68
1,854.99	6.37	79.99	1,849.69	13.87	101.08	-13.46	3.58	-3.58	-0.45
1,947.78	5.72	76.12	1,941.97	15.87	110.64	-15.43	0.83	-0.70	-4.17
2,040.57	5.00	75.32	2,034.35	18.00	119.04	-17.53	0.78	-0.78	-0.86
2,133.36	3.04	72.55	2,126.91	19.77	125.30	-19.26	2.12	-2.11	-2.99
2,226.15	2.01	70.48	2,219.61	21.05	129.18	-20.53	1.11	-1.11	-2.23
2,318.94	1.96	61.82	2,312.34	22.34	132.11	-21.81	0.33	-0.05	-9.33
2,411.73	1.97	62.89	2,405.08	23.82	134.93	-23.28	0.04	0.01	1.15
2,504.52	1.51	62.38	2,497.82	25.11	137.43	-24.56	0.50	-0.50	-0.55
2,597.31	1.49	68.36	2,590.58	26.12	139.64	-25.56	0.17	-0.02	6.44
2,653.00	1.00	89.80	2,646.26	26.39	140.80	-25.83	1.20	-0.88	38.50
2,684.00	0.10	133.20	2,677.26	26.37	141.09	-25.81	3.00	-2.90	140.00
2,715.00	0.60	276.30	2,708.26	26.37	140.95	-25.81	2.20	1.61	461.61
2,746.00	1.10	281.40	2,739.25	26.45	140.49	-25.89	1.63	1.61	16.45
2,778.00	2.90	293.60	2,771.23	26.83	139.45	-26.27	5.75	5.63	38.13
2,810.00	3.70	294.40	2,803.18	27.59	137.77	-27.03	2.50	2.50	2.50
2,842.00	4.00	295.70	2,835.11	28.50	135.82	-27.95	0.98	0.94	4.06
2,874.00	4.20	298.20	2,867.03	29.53	133.78	-29.00	0.84	0.63	7.81
2,906.00	4.00	296.20	2,898.94	30.58	131.75	-30.05	0.77	-0.63	-6.25
2,937.00	4.20	287.40	2,929.87	31.40	129.70	-30.88	2.13	0.65	-28.39
2,969.00	4.50	281.60	2,961.77	32.00	127.35	-31.49	1.66	0.94	-18.13
3,000.00	4.60	274.80	2,992.68	32.35	124.92	-31.85	1.77	0.32	-21.94
3,096.00	4.20	278.60	3,088.39	33.20	117.61	-32.72	0.52	-0.42	3.96
3,128.00	4.00	282.40	3,120.31	33.61	115.36	-33.15	1.05	-0.63	11.88
3,159.00	3.80	281.90	3,151.24	34.06	113.30	-33.60	0.65	-0.65	-1.61
3,190.00	4.60	265.30	3,182.16	34.17	111.05	-33.72	4.67	2.58	-53.55
3,221.00	6.00	251.00	3,213.02	33.54	108.28	-33.10	6.18	4.52	-46.13
3,253.00	7.10	242.00	3,244.82	32.06	104.95	-31.64	4.69	3.44	-28.13
3,285.00	7.90	234.80	3,276.54	29.87	101.41	-29.46	3.85	2.50	-22.50
3,317.00	8.20	232.20	3,308.23	27.20	97.81	-26.81	1.47	0.94	-8.13
3,348.00	9.90	229.00	3,338.84	24.10	94.05	-23.72	5.72	5.48	-10.32
3,379.00	12.90	225.60	3,369.23	19.93	89.57	-19.57	9.91	9.68	-10.97
3,411.00	16.10	221.40	3,400.20	14.10	84.08	-13.76	10.52	10.00	-13.13

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Site:	Section 33 T25S-R10W	MD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Well:	Rock Chalk Farms 33 #1H	North Reference:	Grid
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	STK	Database:	EDM 5000.1 Single User Db

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,443.00	18.90	217.70	3,430.72	6.67	77.97	-6.35	9.41	8.75	-11.56
3,475.00	21.40	214.80	3,460.76	-2.23	71.47	2.52	8.41	7.81	-9.06
3,506.00	24.00	211.20	3,489.36	-12.27	64.98	12.53	9.51	8.39	-11.61
3,537.00	26.50	205.90	3,517.40	-23.89	58.69	24.12	10.87	8.06	-17.10
3,569.00	29.00	200.40	3,545.72	-37.58	52.86	37.79	11.18	7.81	-17.19
3,601.00	31.60	194.90	3,573.35	-52.96	48.00	53.15	11.88	8.13	-17.19
3,633.00	34.80	192.60	3,600.13	-69.98	43.85	70.15	10.75	10.00	-7.19
3,665.00	38.50	193.60	3,625.79	-88.58	39.52	88.74	11.71	11.56	3.13
3,696.00	41.80	194.20	3,649.49	-107.98	34.71	108.12	10.72	10.65	1.94
3,728.00	45.10	194.40	3,672.71	-129.30	29.28	129.42	10.32	10.31	0.63
3,760.00	46.70	191.40	3,694.99	-151.70	24.16	151.79	8.39	5.00	-9.38
3,792.00	48.80	187.60	3,716.50	-175.05	20.26	175.13	10.97	6.56	-11.88
3,824.00	50.40	186.10	3,737.24	-199.24	17.36	199.31	6.14	5.00	-4.69
3,856.00	50.70	186.00	3,757.58	-223.82	14.75	223.87	0.97	0.94	-0.31
3,887.00	50.80	186.00	3,777.19	-247.69	12.25	247.74	0.32	0.32	0.00
3,919.00	50.70	185.40	3,797.44	-272.35	9.78	272.39	1.49	-0.31	-1.88
3,951.00	50.60	185.40	3,817.73	-296.98	7.46	297.01	0.31	-0.31	0.00
3,983.00	50.70	185.40	3,838.02	-321.62	5.13	321.64	0.31	0.31	0.00
4,015.00	53.30	185.20	3,857.72	-346.73	2.80	346.73	8.14	8.13	-0.63
4,046.00	56.70	185.40	3,875.50	-372.01	0.45	372.01	10.98	10.97	0.65
4,078.00	60.10	185.30	3,892.26	-399.14	-2.09	399.13	10.63	10.63	-0.31
4,110.00	63.30	184.80	3,907.43	-427.20	-4.57	427.18	10.09	10.00	-1.56
4,142.00	66.90	183.90	3,920.90	-456.14	-6.76	456.11	11.54	11.25	-2.81
4,173.00	70.60	182.70	3,932.13	-484.98	-8.42	484.94	12.47	11.94	-3.87
4,205.00	74.20	182.20	3,941.81	-515.45	-9.73	515.40	11.35	11.25	-1.56
4,237.00	76.60	180.40	3,949.87	-546.40	-10.43	546.36	9.27	7.50	-5.63
4,269.00	79.30	178.90	3,956.56	-577.69	-10.23	577.65	9.60	8.44	-4.69
4,341.00	84.80	178.60	3,966.51	-648.96	-8.68	648.92	7.65	7.64	-0.42
4,372.00	86.60	178.40	3,968.83	-679.86	-7.87	679.82	5.84	5.81	-0.65
4,403.00	88.70	178.30	3,970.10	-710.82	-6.97	710.78	6.78	6.77	-0.32
4,434.00	89.50	178.90	3,970.59	-741.80	-6.22	741.77	3.23	2.58	1.94
4,495.00	90.90	178.70	3,970.38	-802.79	-4.94	802.76	2.32	2.30	-0.33
4,557.00	90.50	178.50	3,969.62	-864.76	-3.43	864.74	0.72	-0.65	-0.32
4,619.00	90.70	178.40	3,968.97	-926.74	-1.75	926.72	0.36	0.32	-0.16
4,680.00	89.50	178.70	3,968.87	-987.72	-0.20	987.71	2.03	-1.97	0.49
4,742.00	88.80	178.70	3,969.79	-1,049.69	1.20	1,049.69	1.13	-1.13	0.00
4,804.00	88.60	178.60	3,971.19	-1,111.66	2.66	1,111.66	0.36	-0.32	-0.16
4,866.00	89.50	179.30	3,972.22	-1,173.64	3.80	1,173.65	1.84	1.45	1.13
4,928.00	89.10	178.40	3,972.98	-1,235.62	5.04	1,235.63	1.59	-0.65	-1.45
4,989.00	89.70	178.90	3,973.62	-1,296.60	6.48	1,296.62	1.28	0.98	0.82
5,051.00	90.50	178.10	3,973.51	-1,358.58	8.10	1,358.60	1.82	1.29	-1.29
5,113.00	89.30	178.60	3,973.62	-1,420.55	9.89	1,420.58	2.10	-1.94	0.81
5,174.00	89.90	177.50	3,974.04	-1,481.52	11.96	1,481.55	2.05	0.98	-1.80

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Well:	Rock Chalk Farms 33 #1H	North Reference:	Grid
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	STK	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
5,236.00	89.20	176.70	3,974.53	-1,543.43	15.10	1,543.48	1.71	-1.13	-1.29	
5,296.00	89.20	176.80	3,975.37	-1,603.33	18.50	1,603.39	0.17	0.00	0.17	
5,359.00	88.60	176.50	3,976.58	-1,666.21	22.18	1,666.29	1.06	-0.95	-0.48	
5,420.00	88.60	176.50	3,978.07	-1,727.08	25.90	1,727.17	0.00	0.00	0.00	
5,481.00	87.90	175.60	3,979.93	-1,787.90	30.10	1,788.01	1.87	-1.15	-1.48	
5,543.00	87.60	176.30	3,982.36	-1,849.70	34.48	1,849.83	1.23	-0.48	1.13	
5,604.00	89.10	176.70	3,984.12	-1,910.56	38.20	1,910.70	2.54	2.46	0.66	
5,665.00	90.50	176.90	3,984.33	-1,971.46	41.61	1,971.62	2.32	2.30	0.33	
5,726.00	91.70	176.10	3,983.16	-2,032.34	45.33	2,032.50	2.36	1.97	-1.31	
5,788.00	91.80	176.60	3,981.27	-2,094.18	49.28	2,094.36	0.82	0.16	0.81	
5,850.00	90.80	177.00	3,979.86	-2,156.07	52.74	2,156.26	1.74	-1.61	0.65	
5,912.00	90.20	176.60	3,979.32	-2,217.97	56.20	2,218.18	1.16	-0.97	-0.65	
5,973.00	88.90	176.40	3,979.80	-2,278.85	59.92	2,279.07	2.16	-2.13	-0.33	
6,035.00	90.20	176.20	3,980.29	-2,340.72	63.92	2,340.96	2.12	2.10	-0.32	
6,096.00	89.50	176.80	3,980.45	-2,401.61	67.64	2,401.86	1.51	-1.15	0.98	
6,158.00	90.40	176.60	3,980.50	-2,463.50	71.21	2,463.77	1.49	1.45	-0.32	
6,220.00	89.60	176.80	3,980.50	-2,525.40	74.78	2,525.68	1.33	-1.29	0.32	
6,281.00	90.60	176.00	3,980.39	-2,586.28	78.61	2,586.57	2.10	1.64	-1.31	
6,343.00	90.10	175.90	3,980.02	-2,648.12	82.99	2,648.43	0.82	-0.81	-0.16	
6,404.00	88.80	174.70	3,980.60	-2,708.91	87.99	2,709.24	2.90	-2.13	-1.97	
6,466.00	89.30	174.20	3,981.63	-2,770.61	93.98	2,770.97	1.14	0.81	-0.81	
6,527.00	90.00	173.30	3,982.00	-2,831.25	100.63	2,831.63	1.87	1.15	-1.48	
6,589.00	90.60	172.40	3,981.68	-2,892.76	108.34	2,893.17	1.74	0.97	-1.45	
6,651.00	89.60	173.10	3,981.57	-2,954.27	116.17	2,954.71	1.97	-1.61	1.13	
6,712.00	90.40	172.40	3,981.57	-3,014.78	123.86	3,015.25	1.74	1.31	-1.15	
6,774.00	90.80	172.90	3,980.92	-3,076.26	131.80	3,076.77	1.03	0.65	0.81	
6,835.00	88.50	173.90	3,981.29	-3,136.85	138.81	3,137.39	4.11	-3.77	1.64	
6,897.00	87.70	173.90	3,983.35	-3,198.47	145.39	3,199.03	1.29	-1.29	0.00	
6,958.00	88.80	173.70	3,985.21	-3,259.08	151.98	3,259.67	1.83	1.80	-0.33	
7,020.00	89.80	173.90	3,985.97	-3,320.71	158.67	3,321.32	1.64	1.61	0.32	
7,082.00	90.20	174.30	3,985.97	-3,382.39	165.04	3,383.02	0.91	0.65	0.65	
7,144.00	91.10	173.50	3,985.26	-3,444.03	171.63	3,444.69	1.94	1.45	-1.29	
7,205.00	89.70	174.30	3,984.84	-3,504.68	178.11	3,505.37	2.64	-2.30	1.31	
7,267.00	89.80	173.80	3,985.11	-3,566.35	184.54	3,567.06	0.82	0.16	-0.81	
7,329.00	90.40	174.00	3,985.00	-3,627.99	191.13	3,628.73	1.02	0.97	0.32	
7,390.00	89.50	174.70	3,985.05	-3,688.70	197.13	3,689.46	1.87	-1.48	1.15	
7,452.00	90.30	174.50	3,985.16	-3,750.42	202.97	3,751.21	1.33	1.29	-0.32	
7,520.00	89.80	176.60	3,985.10	-3,818.21	208.24	3,819.02	3.17	-0.74	3.09	
7,581.00	89.40	176.30	3,985.53	-3,879.09	212.02	3,879.91	0.82	-0.66	-0.49	
7,643.00	90.10	176.00	3,985.80	-3,940.95	216.18	3,941.79	1.23	1.13	-0.48	
7,705.00	89.90	177.00	3,985.80	-4,002.84	219.97	4,003.69	1.64	-0.32	1.61	
7,766.00	88.90	176.80	3,986.44	-4,063.74	223.27	4,064.61	1.67	-1.64	-0.33	
7,828.00	89.60	176.70	3,987.25	-4,125.64	226.78	4,126.51	1.14	1.13	-0.16	
7,890.00	90.10	176.60	3,987.41	-4,187.53	230.41	4,188.42	0.82	0.81	-0.16	

Company:	Unit Petroleum	Local Co-ordinate Reference:	Well Rock Chalk Farms 33 #1H
Project:	Reno County, Kansas	TVD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Site:	Section 33 T25S-R10W	MD Reference:	RKB 14' @ 1772.00usft (UDI 331)
Well:	Rock Chalk Farms 33 #1H	North Reference:	Grid
Wellbore:	STK	Survey Calculation Method:	Minimum Curvature
Design:	STK	Database:	EDM 5000.1 Single User Db

Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
7,951.00	89.50	177.10	3,987.63	-4,248.44	233.76	4,249.34	1.28	-0.98	0.82	
8,013.00	89.80	177.40	3,988.00	-4,310.36	236.73	4,311.28	0.68	0.48	0.48	
8,075.00	90.20	176.90	3,988.00	-4,372.29	239.81	4,373.22	1.03	0.65	-0.81	
8,137.00	89.00	177.10	3,988.44	-4,434.20	243.06	4,435.14	1.96	-1.94	0.32	
8,198.00	90.10	177.60	3,988.92	-4,495.13	245.88	4,496.08	1.98	1.80	0.82	
8,260.00	88.70	178.00	3,989.56	-4,557.08	248.26	4,558.04	2.35	-2.26	0.65	
8,322.00	89.40	177.70	3,990.59	-4,619.03	250.58	4,620.00	1.23	1.13	-0.48	
8,351.00	89.20	177.70	3,990.95	-4,648.00	251.75	4,648.98	0.69	-0.69	0.00	
Last Inwell Survey										
8,395.00	89.20	177.70	3,991.56	-4,691.96	253.51	4,692.94	0.00	0.00	0.00	
Projection to TD - Rock Chalk Farms 33 #1H PBHL										

Design Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
8,351.00	3,990.95	-4,648.00	251.75	Last Inwell Survey	
8,395.00	3,991.56	-4,691.96	253.51	Projection to TD	

Checked By: _____ Approved By: _____ Date: _____