

30-015-40055

Company Name: Strata Production Co.
Sandy Federal #3H
Eddy County New Mexico
Rig: Silver Oak #3
Created By: Dina Chance
Date: 8/29/2012

Sandy Federal #3H
Eddy County New Mexico
Q110598 & GC-12517
Design #1

STRATA PRODUCTION COMPANY

PROJECT DETAILS: Eddy County New Mexico

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

WELL DETAILS: Sandy Federal #3H

Ground Level: 3288.0

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.0	0.0	467368.00	652019.00	32° 17' 2.231 N	103° 50' 29.118 W

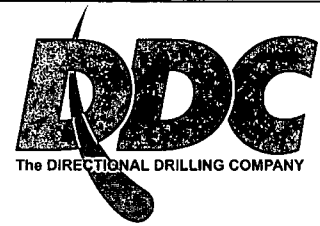
DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude
PBHL Sandy Federal #3H ST#17726.0	270.0	4712.6	467638.01	656731.62	32° 17' 4.606 N	103° 49' 34.207 W	

- plan hits target center

ANNOTATIONS

MD	Inc	Alt	TVD	+N-S	+E-W	Vsect	Departure	Annotation
10033.0	89.90	85.80	7716.1	120.2	2546.6	2549.3	2857.2	TIE IN @ 10033' MD / 7716' TVD
12200.0	87.60	86.50	7735.6	265.7	4702.5	4710.0	4823.5	TD @ 12200' MD / 7737' TVD



Azimuths to Grid North

Magnetic North: 7.31°

Magnetic Field
Strength: 48507.5nT

Dip Angle: 60.17°

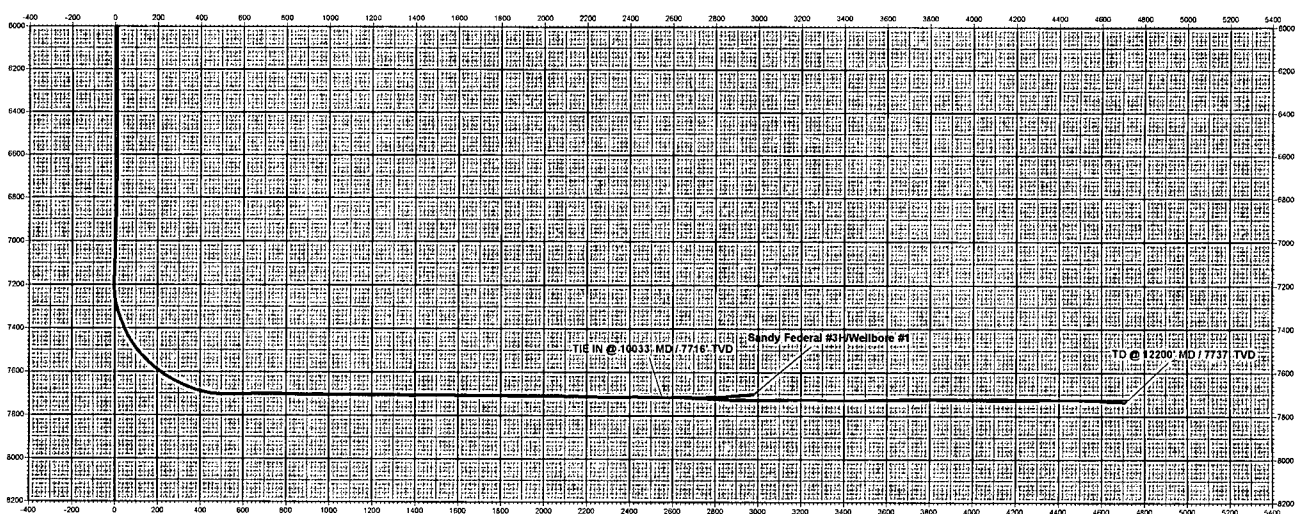
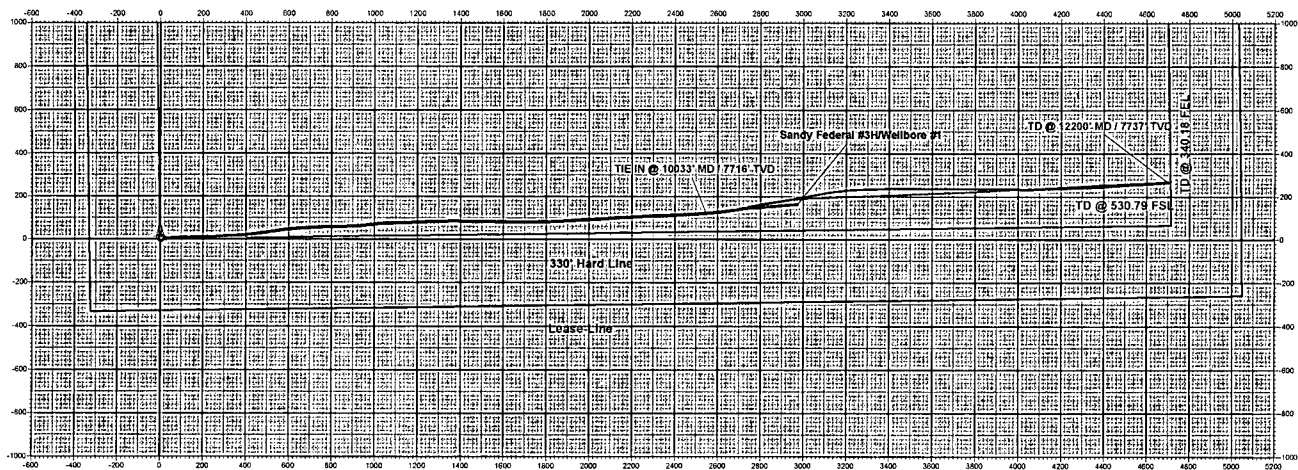
Date: 8/13/2012

Model: IGRF2010

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Vertical Section at 86.72° (200 usft/in)



SURVEY CALCULATION PROGRAM

MINIMUM CURVATURE CALCULATIONS (SPE-336)

OPERATOR	Strata Production			Supervisors:
WELL:	Sandy Federal #3H ST1			Kylee Klaudi
LOCATION	Eddy Co., NM			Ben Elliott
JOB NUMBER:	GC-12517	Rig:	Silver Oaks #3	Nick Patrick
COMMENTS:				Stephen Spurgeon
SIDETRACK @ 10050' - 8/14/12				MAG DI
				GRID C
				TOTAL

DATE: 08/24/12

TIME: 7:55 AM

TRUE TO GRID

TARGET DIP	-0.34	ANGLE	89.66	LINE	7697.18	DIRECTION	87.02
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TEMP	SVY	MD	INC	TRUE	TVD	SECT	N-S	E-W	DLS/100
	NUM			AZM					
	TIE-IN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88	1	365	0.4	205.2	365.00	-1.12	0.54	-1.15	0.11
88	2	455	0.2	231.5	455.00	-1.53	0.58	-1.56	0.40
88	3	545	0.4	229.3	544.99	-1.90	0.28	-1.92	0.22
88	4	637	0.7	218.9	636.99	-2.53	-0.37	-2.52	0.34
81	5	726	1.0	225.9	725.98	-3.48	-1.33	-3.42	0.36
81	6	787	1.0	192.3	786.97	-4.02	-2.23	-3.91	0.95
81	7	882	1.1	151.6	881.96	-3.85	-3.84	-3.66	0.77
81	8	976	1.0	162.8	975.94	-3.26	-5.41	-2.98	0.24
81	9	1071	0.4	354.4	1070.94	-3.07	-5.88	-2.77	1.47
81	10	1166	1.0	350.5	1165.93	-3.18	-4.73	-2.94	0.63
88	11	1261	1.3	356.9	1260.91	-3.28	-2.83	-3.13	0.34
81	12	1356	1.7	352.5	1355.88	-3.39	-0.36	-3.38	0.44
81	13	1450	0.6	347.6	1449.86	-3.58	1.50	-3.66	1.17
81	14	1545	0.3	5.7	1544.85	-3.63	2.23	-3.75	0.35
73	15	1640	0.5	13.2	1639.85	-3.47	2.89	-3.63	0.22
81	16	1733	0.8	23.6	1732.85	-3.07	3.88	-3.28	0.35
81	17	1827	1.4	24.5	1826.83	-2.25	5.52	-2.54	0.64
88	18	1921	1.2	71.8	1920.81	-0.77	6.87	-1.12	1.13
95	19	2016	0.8	110.4	2015.79	0.80	6.95	0.44	0.80
88	20	2110	1.1	129.1	2109.78	2.07	6.16	1.76	0.45
88	21	2203	1.4	124.5	2202.76	3.64	4.95	3.39	0.34
88	22	2298	0.9	110.3	2297.74	5.25	4.03	5.04	0.60
95	23	2393	0.5	60.2	2392.73	6.30	3.98	6.10	0.73
95	24	2488	0.9	39.8	2487.73	7.18	4.76	6.94	0.49
95	25	2583	1.0	48.0	2582.71	8.33	5.89	8.03	0.18
95	26	2677	1.0	41.5	2676.70	9.54	7.05	9.19	0.12
95	27	2772	0.8	44.3	2771.69	10.61	8.15	10.20	0.22
88	28	2866	1.7	74.2	2865.66	12.45	9.00	12.00	1.15
88	29	2960	2.4	84.2	2959.60	15.78	9.57	15.30	0.83
95	30	3055	2.0	102.7	3054.53	19.36	9.41	18.89	0.85
95	31	3149	0.5	134.2	3148.51	21.22	8.76	20.79	1.70
95	32	3244	0.8	260.7	3243.51	20.84	8.37	20.43	1.23
95	33	3338	1.0	289.5	3337.50	19.43	8.54	19.01	0.52
88	34	3433	0.9	343.9	3432.48	18.49	9.53	18.02	0.92
88	35	3527	1.1	21.1	3526.47	18.69	11.08	18.14	0.71
95	36	3622	0.3	248.2	3621.47	18.83	11.84	18.24	1.39
95	37	3716	1.1	214.7	3715.46	18.05	11.01	17.50	0.92
95	38	3815	1.3	217.1	3814.42	15.95	8.31	15.54	0.13
95	39	3939	1.1	220.5	3938.41	15.06	7.27	14.70	0.33
102	40	4034	1.6	266.9	4033.39	13.11	6.50	12.79	1.22
102	41	4129	1.8	272.0	4128.34	10.30	6.48	9.97	0.26
102	42	4223	1.6	242.4	4222.30	7.63	5.92	7.33	0.95
109	43	4317	1.6	238.4	4316.27	5.29	4.63	5.05	0.12
109	44	4411	1.5	240.7	4410.23	3.03	3.34	2.86	0.13
109	45	4504	0.3	131.9	4503.22	2.11	2.58	1.98	1.74
109	46	4599	0.5	98.8	4598.22	2.69	2.35	2.58	0.31
109	47	4694	0.5	104.8	4693.22	3.50	2.18	3.39	0.06

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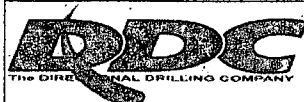
SURVEY CALCULATION PROGRAM

MINIMUM CURVATURE CALCULATIONS (SPE-336)

OPERATOR:	Strata Production			Supervisors:
WELL:	Sandy Federal #3H ST1			Kylee Klaudi
LOCATION:	Eddy Co., NM			Ben Elliott
JOB NUMBER:	GC-12517	Rig:	Silver Oaks #3	Nick Patrick
COMMENTS:				Stephen Spurgeon
SIDETRACK @ 10050' - 8/14/12				MAG DI
				GRID C
				TOTAL

DATE: 08/24/12	TIME: 7:55 AM	TRUE TO GRID
TARGET DIP	-0.34	ANGLE
	89.66	LINE
	7697.18	DIRECTION
		87.02

TEMP	SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100
109	48	4788	0.4	116.0	4787.21	4.17	1.93	4.08	0.14
109	49	4882	0.4	122.7	4881.21	4.73	1.61	4.65	0.05
109	50	4977	0.3	115.2	4976.21	5.22	1.33	5.15	0.12
109	51	5071	0.3	118.2	5070.21	5.64	1.11	5.59	0.02
109	52	5166	0.3	127.3	5165.21	6.05	0.84	6.01	0.05
109	53	5260	0.3	137.9	5259.21	6.39	0.51	6.37	0.06
109	54	5355	0.3	148.0	5354.20	6.67	0.11	6.67	0.06
117	55	5451	0.3	102.2	5450.20	7.03	-0.16	7.05	0.24
117	56	5545	0.2	109.4	5544.20	7.42	-0.26	7.44	0.11
117	57	5639	0.3	84.9	5638.20	7.82	-0.29	7.84	0.15
117	58	5734	0.3	133.1	5733.20	8.24	-0.44	8.27	0.26
117	59	5829	0.3	148.0	5828.20	8.53	-0.82	8.59	0.08
117	60	5922	0.3	151.4	5921.20	8.75	-1.24	8.83	0.02
117	61	6017	0.4	173.7	6016.20	8.88	-1.79	8.99	0.18
117	62	6111	0.4	177.1	6110.19	8.90	-2.44	9.04	0.03
117	63	6205	0.6	164.2	6204.19	9.01	-3.25	9.19	0.24
117	64	6300	0.6	164.0	6299.19	9.23	-4.20	9.46	0.00
117	65	6394	0.5	174.8	6393.18	9.36	-5.08	9.64	0.15
117	66	6490	0.6	173.7	6489.18	9.40	-6.00	9.73	0.10
117	67	6584	0.5	189.5	6583.17	9.34	-6.90	9.71	0.19
117	68	6679	0.7	184.4	6678.17	9.18	-7.88	9.60	0.22
117	69	6773	1.1	270.4	6772.16	8.20	-8.45	8.66	1.34
117	70	6868	1.5	298.0	6867.13	6.23	-7.86	6.65	0.77
117	71	6963	1.5	298.5	6962.10	4.10	-6.68	4.46	0.01
117	72	7057	1.6	290.8	7056.07	1.85	-5.63	2.15	0.25
117	73	7152	1.7	278.8	7151.03	-0.74	-4.94	-0.49	0.38
117	74	7213	0.7	57.3	7212.02	-1.30	-4.60	-1.07	3.72
117	75	7245	4.8	80.9	7243.98	0.20	-4.28	0.42	13.02
117	76	7276	9.8	82.5	7274.72	4.12	-3.73	4.32	16.14
117	77	7308	14.5	81.6	7305.99	10.83	-2.79	10.99	14.70
117	78	7340	18.7	80.2	7336.65	19.91	-1.33	20.01	13.18
117	79	7372	21.8	79.7	7366.67	30.90	0.60	30.91	9.70
117	80	7403	24.3	80.5	7395.19	42.95	2.68	42.87	8.13
117	81	7434	27.4	83.4	7423.09	56.41	4.56	56.25	10.80
117	82	7466	31.0	86.2	7451.02	72.00	5.95	71.79	12.03
124	83	7497	36.0	88.3	7476.86	89.11	6.75	88.88	16.55
124	84	7529	39.8	89.3	7502.11	108.75	7.15	108.52	12.03
124	85	7561	42.4	88.8	7526.22	129.77	7.51	129.56	8.19
124	86	7593	45.4	88.6	7549.27	151.95	8.01	151.74	9.39
124	87	7625	49.6	88.6	7570.89	175.53	8.59	175.32	13.13
124	88	7656	53.8	88.8	7590.10	199.84	9.14	199.63	13.56
124	89	7688	56.9	88.6	7608.29	226.15	9.73	225.95	9.70
124	90	7720	60.2	87.6	7624.98	253.44	10.64	253.23	10.65
124	91	7751	63.3	86.9	7639.65	280.74	11.96	280.50	10.20
124	92	7782	64.6	86.7	7653.27	308.59	13.51	308.31	4.23
124	93	7814	66.6	86.7	7666.49	337.73	15.19	337.40	6.25
124	94	7846	70.3	86.2	7678.24	367.49	17.03	367.10	11.65



SURVEY CALCULATION PROGRAM

MINIMUM CURVATURE CALCULATIONS (SPE-336)

OPERATOR:	Strata Production	Supervisors:
WELL:	Sandy Federal #3H ST1	Kylee Klaudt
LOCATION:	Eddy Co., NM	Ben Elliott
JOB NUMBER:	GC-12517	Rig: Silver Oaks #3
COMMENTS:	Nick Patrick	
SIDETRACK @ 10050' - 8/14/12		Stephen Spurgeon
		MAG DI
		GRID C
		TOTAL

DATE: 08/24/12

TIME: 7:55 AM

TRUE TO GRID

TARGET DIP	-0.34	ANGLE	89.66	LINE	7697.18	DIRECTION	87.02
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TEMP	SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/100
124	95	7877	74.1	84.9	7687.71	396.99	19.33	396.52	12.89
124	96	7909	78.3	83.5	7695.35	428.02	22.47	427.43	13.80
124	97	7941	83.3	82.1	7700.46	459.51	26.43	458.76	16.21
117	98	8009	90.8	80.4	7703.96	527.03	36.76	525.83	11.31
117	99	8041	90.7	82.1	7703.54	558.86	41.62	557.45	5.32
117	100	8072	91.4	83.7	7703.05	589.77	45.45	588.21	5.32
117	101	8104	91.2	85.3	7702.41	621.74	48.52	620.05	5.01
117	102	8136	91.2	86.0	7701.74	653.72	50.95	651.95	2.19
117	103	8167	90.5	87.1	7701.28	684.71	52.81	682.89	4.21
117	104	8199	90.0	87.8	7701.14	716.71	54.24	714.86	2.69
124	105	8231	89.4	87.4	7701.31	748.71	55.58	746.83	2.25
124	106	8262	88.6	87.6	7701.85	779.70	56.93	777.80	2.66
124	107	8294	88.0	88.5	7702.80	811.69	58.02	809.76	3.38
124	108	8326	88.3	88.1	7703.83	843.66	58.97	841.73	1.56
124	109	8357	89.7	87.8	7704.37	874.65	60.07	872.71	4.62
124	110	8389	90.7	87.8	7704.26	906.65	61.30	904.68	3.13
124	111	8420	89.9	86.0	7704.10	937.65	62.98	935.64	6.35
124	112	8452	88.8	82.3	7704.46	969.60	66.24	967.46	12.06
124	113	8484	89.2	83.9	7705.02	1001.52	70.08	999.22	5.15
124	114	8515	90.0	86.2	7705.24	1032.49	72.76	1030.11	7.86
124	115	8547	90.9	87.6	7704.98	1064.49	74.49	1062.06	5.20
124	116	8579	89.9	88.3	7704.76	1096.49	75.63	1094.03	3.81
124	117	8610	88.9	88.1	7705.09	1127.48	76.61	1125.02	3.29
124	118	8642	89.1	87.8	7705.64	1159.47	77.75	1156.99	1.13
124	119	8674	90.0	88.3	7705.90	1191.46	78.84	1188.97	3.22
124	120	8705	90.3	88.3	7705.81	1222.45	79.76	1219.96	0.97
124	121	8737	90.8	88.5	7705.51	1254.44	80.65	1251.94	1.68
124	122	8768	89.5	88.3	7705.43	1285.43	81.52	1282.93	4.24
124	123	8800	87.8	88.1	7706.18	1317.42	82.52	1314.91	5.35
124	124	8831	87.9	88.6	7707.34	1348.39	83.42	1345.87	1.64
124	125	8863	90.0	91.1	7707.93	1380.34	83.50	1377.86	10.20
124	126	8895	91.0	91.3	7707.65	1412.25	82.83	1409.85	3.19
124	127	8926	90.7	90.6	7707.19	1443.17	82.31	1440.84	2.46
124	128	8957	90.5	90.2	7706.87	1474.12	82.10	1471.84	1.44
124	129	8989	89.7	89.5	7706.81	1506.08	82.18	1503.84	3.32
124	130	9021	89.2	90.0	7707.12	1538.04	82.32	1535.84	2.21
124	131	9052	88.7	91.3	7707.69	1568.97	81.97	1566.83	4.49
124	132	9084	89.3	92.2	7708.24	1600.86	80.99	1598.81	3.38
124	133	9116	89.4	91.1	7708.61	1632.75	80.07	1630.79	3.45
124	134	9147	89.1	88.5	7709.01	1663.71	80.18	1661.79	8.44
124	135	9179	89.3	88.8	7709.46	1695.69	80.93	1693.78	1.13
124	136	9210	90.8	91.4	7709.43	1726.65	80.88	1724.77	9.68
124	137	9242	91.1	89.9	7708.90	1758.58	80.52	1756.77	4.78
124	138	9273	90.2	88.5	7708.55	1789.55	80.95	1787.76	5.37
124	139	9305	88.6	85.6	7708.89	1821.54	82.60	1819.71	10.35
124	140	9337	89.4	86.9	7709.44	1853.54	84.69	1851.64	4.77
124	141	9368	90.3	87.6	7709.53	1884.54	86.18	1882.60	3.68



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TARGET DIP	-0.34	ANGLE	89.66	LINE	7697.18	DIRECTION	87.02
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TEMP	SVY	MD	INC	TRUE	TVD	SECT	N-S	E-W	DLS/
	NUM			AZM					100
124	142	9400	89.9	87.6	7709.47	1916.53	87.52	1914.57	1.25
124	143	9432	90.3	87.9	7709.41	1948.53	88.77	1946.55	1.56
124	144	9463	90.0	87.8	7709.33	1979.53	89.93	1977.53	1.02
124	145	9494	89.3	86.2	7709.52	2010.53	91.56	2008.48	5.63
124	146	9526	89.1	86.3	7709.97	2042.52	93.65	2040.41	0.70
124	147	9558	89.9	87.1	7710.25	2074.52	95.49	2072.36	3.54
124	148	9590	88.9	86.0	7710.58	2106.51	97.42	2104.29	4.65
131	149	9621	88.3	85.3	7711.34	2137.50	99.77	2135.20	2.97
124	150	9653	88.5	86.0	7712.23	2169.47	102.19	2167.09	2.27
124	151	9684	88.9	86.2	7712.94	2200.46	104.30	2198.01	1.44
124	152	9716	89.6	87.6	7713.36	2232.46	106.03	2229.96	4.89
124	153	9748	89.5	87.9	7713.61	2264.45	107.29	2261.93	0.99
124	154	9779	89.1	87.8	7713.99	2295.45	108.45	2292.91	1.33
124	155	9811	89.0	89.0	7714.52	2327.43	109.34	2324.89	3.76
131	156	9843	91.4	89.0	7714.40	2359.41	109.90	2356.89	7.50
131	157	9874	90.8	87.9	7713.81	2390.40	110.74	2387.87	4.04
124	158	9906	89.3	87.2	7713.78	2422.39	112.11	2419.84	5.17
124	159	9938	89.3	86.7	7714.17	2454.39	113.81	2451.79	1.56
124	160	9969	88.3	86.0	7714.82	2485.38	115.78	2482.72	3.94
124	161	10001	88.7	86.2	7715.66	2517.37	117.96	2514.63	1.40
131	162	10033	89.9	85.8	7716.05	2549.36	120.19	2546.55	3.95
117	163	10064	88.3	84.6	7716.54	2580.34	122.79	2577.44	6.45
124	164	10096	87.4	81.3	7717.74	2612.23	126.71	2609.17	10.68
124	165	10127	87.2	81.1	7719.20	2643.04	131.45	2639.77	0.91
124	166	10159	87.5	81.1	7720.68	2674.83	136.39	2671.35	0.94
124	167	10191	86.5	78.6	7722.35	2706.53	142.02	2702.81	8.40
124	168	10222	88.7	79.3	7723.65	2737.20	147.96	2733.20	7.45
124	169	10254	91.1	80.2	7723.71	2768.94	153.65	2764.69	8.01
124	170	10286	88.8	79.3	7723.73	2800.68	159.35	2796.18	7.72
124	171	10317	88.1	79.8	7724.57	2831.40	164.97	2826.65	2.77
124	172	10349	90.0	80.5	7725.10	2863.17	170.44	2858.17	6.33
124	173	10380	89.9	80.0	7725.13	2893.95	175.69	2888.72	1.64
124	174	10412	89.4	79.7	7725.33	2925.70	181.33	2920.22	1.82
124	175	10444	89.5	79.7	7725.63	2957.44	187.05	2951.71	0.31
124	176	10475	89.1	79.3	7726.01	2988.17	192.70	2982.18	1.82
124	177	10507	90.4	79.5	7726.15	3019.89	198.59	3013.64	4.11
124	178	10539	92.2	79.7	7725.43	3051.61	204.36	3045.10	5.66
124	179	10571	90.5	78.8	7724.67	3083.30	210.33	3076.53	6.01
117	180	10602	90.4	79.8	7724.43	3114.02	216.08	3106.99	3.24
117	181	10634	90.0	81.3	7724.32	3145.82	221.34	3138.55	4.85
117	182	10665	89.1	83.4	7724.56	3176.71	225.46	3169.28	7.37
117	183	10697	88.0	84.9	7725.37	3208.66	228.72	3201.10	5.81
117	184	10729	88.4	86.9	7726.38	3240.64	231.01	3233.00	6.37
124	185	10761	88.4	87.9	7727.27	3272.62	232.46	3264.95	3.12
124	186	10792	88.1	88.1	7728.22	3303.60	233.54	3295.92	1.16
124	187	10824	89.3	88.3	7728.94	3335.59	234.55	3327.89	3.80
124	188	10856	89.3	87.9	7729.33	3367.58	235.61	3359.87	1.25



SURVEY CALCULATION PROGRAM

MINIMUM CURVATURE CALCULATIONS (SPE-336)

OPERATOR	Strata Production			Supervisors:
WELL:	Sandy Federal #3H ST1			Kylee Klaut
LOCATION:	Eddy Co., NM			Ben Elliott
JOB NUMBER:	GC-12517	Rig:	Silver Oaks #3	Nick Patrick
COMMENTS:				Stephen Spurgeon
SIDETRACK @ 10050' - 8/14/12				MAG DI
				GRID C
				TOTAL

DATE: 08/24/12

TIME: 7:55 AM

TRUE TO GRID

TARGET DIP		-0.34	ANGLE	89.66	LINE	7697.18	DIRECTION	87.02	
TEMP	SVY NUM	MD	INC	TRUE AZM	TVD	SECT	N-S	E-W	DLS/ 100
124	189	10887	89.0	87.9	7729.79	3398.57	236.74	3390.85	0.97
124	190	10919	89.5	88.8	7730.21	3430.56	237.67	3422.83	3.22
124	191	10950	90.4	90.6	7730.24	3461.52	237.83	3453.83	6.49
124	192	10982	90.3	90.7	7730.04	3493.46	237.46	3485.83	0.44
124	193	11014	89.9	90.6	7729.99	3525.40	237.10	3517.83	1.29
124	194	11045	90.8	90.7	7729.80	3556.33	236.75	3548.82	2.92
124	195	11077	90.8	90.0	7729.35	3588.28	236.55	3580.82	2.19
124	196	11109	89.8	89.7	7729.18	3620.24	236.64	3612.82	3.26
124	197	11140	90.0	89.9	7729.24	3651.20	236.75	3643.82	0.91
124	198	11172	90.2	89.7	7729.18	3683.16	236.86	3675.82	0.88
124	199	11203	90.3	89.5	7729.05	3714.13	237.07	3706.82	0.72
124	200	11235	91.7	90.9	7728.49	3746.07	236.96	3738.81	6.19
124	201	11267	92.1	91.3	7727.43	3777.97	236.35	3770.79	1.77
124	202	11298	90.1	90.2	7726.83	3808.90	235.94	3801.78	7.36
124	203	11330	88.2	89.2	7727.31	3840.86	236.11	3833.77	6.71
124	204	11362	88.9	89.7	7728.12	3872.82	236.42	3865.76	2.69
124	205	11393	89.4	90.0	7728.58	3903.78	236.50	3896.75	1.88
124	206	11425	89.5	91.3	7728.88	3935.71	236.14	3928.75	4.07
124	207	11457	90.0	92.5	7729.02	3967.60	235.08	3960.73	4.06
124	208	11488	90.3	92.8	7728.94	3998.45	233.64	3991.70	1.37
124	209	11520	89.8	90.7	7728.91	4030.34	232.67	4023.68	6.75
124	210	11552	88.6	87.9	7729.36	4062.30	233.06	4055.67	9.52
124	211	11583	87.9	87.1	7730.31	4093.29	234.41	4086.63	3.43
124	212	11615	88.8	87.4	7731.23	4125.27	235.94	4118.58	2.96
124	213	11647	90.4	88.5	7731.45	4157.27	237.09	4150.56	6.07
124	214	11678	91.7	88.5	7730.88	4188.25	237.90	4181.54	4.19
124	215	11710	90.7	87.9	7730.21	4220.24	238.90	4213.52	3.64
124	216	11741	91.4	88.1	7729.65	4251.23	239.98	4244.49	2.35
124	217	11773	91.6	87.9	7728.81	4283.21	241.10	4276.46	0.88
124	218	11804	91.6	87.8	7727.94	4314.20	242.26	4307.43	0.32
124	219	11836	91.7	87.8	7727.02	4346.18	243.49	4339.39	0.31
124	220	11868	90.8	86.9	7726.32	4378.17	244.97	4371.35	3.98
124	221	11899	87.6	85.3	7726.76	4409.16	247.08	4402.27	11.54
124	222	11931	88.6	86.2	7727.82	4441.13	249.45	4434.16	4.20
124	223	11962	89.9	87.4	7728.22	4472.13	251.18	4465.11	5.71
124	224	11994	89.3	87.2	7728.45	4504.13	252.69	4497.07	1.98
124	225	12026	88.6	86.9	7729.03	4536.12	254.33	4529.02	2.38
124	226	12057	88.0	86.2	7729.95	4567.11	256.20	4559.95	2.97
124	227	12089	87.1	85.8	7731.32	4599.07	258.43	4591.85	3.08
124	228	12121	86.7	86.0	7733.05	4631.02	260.71	4623.72	1.40
124	229	12150	87.6	86.5	7734.49	4659.98	262.61	4652.62	3.55
	TD	12200	87.6	86.5	7736.59	4709.93	265.66	4702.48	0.00