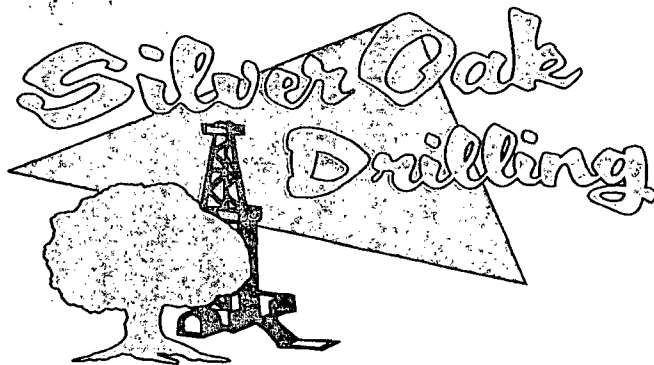
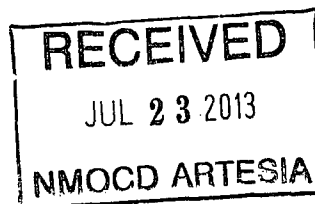




PO Box 1370
Artesia, NM 88211-1370
(505) 748-1288

30-015-40186



March 14, 2013

Yates Petroleum Corporation
105 S. 4th
Artesia, NM 88211-1395

RE: Southland Royalty APM St #5H
200' FSL & 500' FWL
Sec. 24, T19S, R29E
Eddy County, New Mexico

Dear Sir,

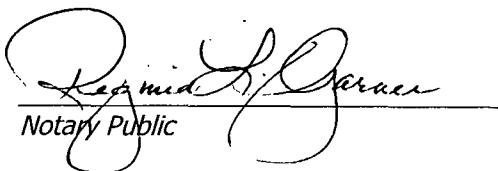
The attached is the Deviation Survey for the above captioned well.

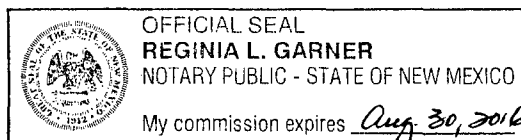
Very truly yours,


Eddie C. LaRue
Operations Manager

State of New Mexico }
County of Eddy }

The foregoing was acknowledged before me this 14th day of March, 2013.


Notary Public



Pason DataHub Deviation Survey

Well Dossier 1360331981 - SOUTHLAND ROYALTY APM STATE # 5-H

# MD(ftKB)	Incl(deg)	Azm(deg)	TVD(ftKB)
305	1.60		
401	2.64	224.77	400.86
583	2.11	219.41	582.70
762	1.93	256.58	761.60
887	0.26	316.26	886.57
1077	0.53	79.31	1076.57
1268	1.23	103.92	1267.55
1459	2.02	120.27	
1649	0.79	114.99	1648.49
1839	1.32	130.55	1838.45
2139	0.60		
2350	1.10		
2550	0.80		
2740	0.60		
2960	0.90		
3172	1.10		
3325	0.90		
3464	0.90		
3951	0.50		
4300	2.30		
4333	2.40		
4427	2.30		
4522	2.10		
4713	1.70		
4840	2.20		
4966	2.50		
5094	1.80		
5220	1.60		
5380	1.50		
5538	0.60		
5824	1.80		
5983	1.90		
6140	1.90		
6270	2.00		
6425	3.20		
6518	2.90		
6691	2.44	325.28	6689.00
6753	2.02	324.50	6751.00
6815	2.37	323.39	6812.65
6909	0.97	358.03	6906.61
7002	0.44	353.66	6999.60
7095	1.06	340.14	7092.59

7188	1.67	345.94	7185.57
7282	0.97	4.31	7279.54
7375	1.06	3.55	7372.53
7469	0.62	65.16	7466.52
7530	1.58	79.17	7527.51
7561	2.37	87.43	7558.49
7592	3.43	65.55	7589.45
7623	6.42	40.20	7620.33
7655	10.55	26.75	7651.98
7686	15.04	20.16	7681.84
7717	19.26	14.79	7711.81
7748	23.04	10.51	7740.72
7779	25.94	7.45	7768.93
7810	28.75	4.42	7796.46
7841	31.92	1.52	7823.22
7872	35.26	358.77	7849.04
7903	38.43	358.23	7873.84
7934	41.86	359.26	7897.54
7966	45.02	359.85	7920.77
7997	48.19	359.99	7942.07
8028	50.65	0.57	7962.23
8058	53.73	1.11	7980.62
8089	56.89	0.15	7998.26
8121	60.06	0.41	8014.99
8152	63.22	0.47	8029.71
8183	67.44	0.75	8042.65
8214	70.70	0.01	8053.72
8277	75.80	0.00	8071.87
8308	80.55	0.62	8078.22
8339	84.68	1.27	8082.21
8352	85.21	1.52	8083.35
8395	89.25	2.27	8085.43
8488	89.25	2.63	8086.65
8582	89.43	0.78	8087.73
8676	88.99	1.22	8089.03
8770	89.08	359.02	8090.61
8863	88.64	359.29	8092.46
8956	88.55	358.67	8094.74
9050	91.10	359.02	8095.03
9114	91.01	359.46	8093.43
9144	91.01	359.46	8093.30
9238	91.01	359.64	8091.64
9330	90.75	0.17	8090.23
9423	89.96	0.34	8089.65
9516	90.04	0.61	8089.65
9609	88.46	0.69	8090.87
9702	89.08	0.78	8092.86

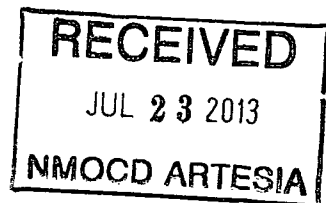
9795	89.78	359.90	8093.92
9888	89.78	0.17	8094.71
9981	89.96	0.25	8094.93
10075	89.60	0.43	8095.29
10168	89.52	0.43	8096.00
10261	89.34	0.43	8096.00
10355	89.52	0.87	8097.57
10448	89.78	1.31	8098.14
10541	89.60	1.22	8098.64
10728	90.22	0.78	8098.93
10822	89.96	0.69	8098.78
10916	90.40	0.52	8098.49
11009	90.40	0.69	8097.84
11102	90.13	0.69	8097.41
11195	90.40	0.96	8096.98
11288	90.40	0.87	8096.33
11381	90.40	1.22	8095.68
11475	90.66	0.96	8094.02
11568	90.92	0.61	8092.74
11662	90.75	0.43	8091.37
11754	90.75	0.52	8090.16
11846	91.36	0.78	8088.47
11939	91.10	0.34	8086.47
12033	91.10	0.34	8084.00
12127	90.92	0.17	8083.00
12221	90.92	0.25	8081.00
12313	90.84	0.52	8080.00
12407	90.84	0.43	8078.71
12501	90.66	0.34	8077.48
12533	90.48	0.34	8077.16

EOF



Job Number: SVMO-130115
 Company: Yates Petroleum Corporation
 Lease/Well: SOUTHLAND ROYALTY APM ST 5H
 Location: Eddy County, NM
 Rig Name: Silver Oak #10
 RKB: 18'
 G.L. or M.S.L.: GL

State/Country: New Mexico/USA
 Declination: 7.49°
 Grid: East To Grid North
 File name: F:\SURVEY\2013SU-1\YATES\MO\SOUTHL-1\5H.SVY
 Date/Time: 01-Mar-13 / 10:15
 Curve Name: Surface - 6600' M.D. (Rate Gyro)



WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane .00
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
200.00	.69	255.25	200.00	-.31	-1.16	-.31	1.20	255.25	.34
400.00	2.30	225.35	399.92	-3.43	-5.18	-3.43	6.22	236.48	.87
600.00	2.05	222.40	599.78	-8.90	-10.45	-8.90	13.72	229.60	.14
800.00	1.49	259.70	799.69	-12.00	-15.42	-12.00	19.54	232.11	.63
1000.00	.40	98.60	999.67	-12.57	-17.29	-12.57	21.38	233.98	.94
1200.00	1.03	116.16	1199.65	-13.47	-14.99	-13.47	20.15	228.05	.33
1400.00	1.50	116.55	1399.60	-15.43	-11.03	-15.43	18.97	215.56	.24
1600.00	.91	132.57	1599.56	-17.68	-7.52	-17.68	19.21	203.05	.34
1800.00	1.12	132.68	1799.53	-20.08	-4.91	-20.08	20.67	193.75	.11

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
2000.00	.43	131.79	1999.51	-21.90	-2.92	-21.90	22.09	187.59	.35
2200.00	1.05	158.32	2199.49	-24.10	-1.68	-24.10	24.16	183.99	.35
2400.00	1.07	171.13	2399.46	-27.65	-.72	-27.65	27.66	181.48	.12
2600.00	1.07	178.39	2599.42	-31.36	-.38	-31.36	31.37	180.69	.07
2800.00	.92	196.56	2799.39	-34.77	-.78	-34.77	34.78	181.29	.17
3000.00	1.10	162.06	2999.36	-38.13	-.65	-38.13	38.14	180.97	.31
3200.00	1.09	171.87	3199.33	-41.84	.21	-41.84	41.84	179.71	.09
3400.00	.58	164.42	3399.31	-44.70	.75	-44.70	44.71	179.03	.26
3600.00	.51	179.14	3599.30	-46.57	1.04	-46.57	46.58	178.72	.08
3800.00	.27	245.22	3799.29	-47.65	.63	-47.65	47.66	179.25	.24
4000.00	.43	257.09	3999.29	-48.02	-.53	-48.02	48.02	180.64	.09
4200.00	1.27	302.12	4199.27	-47.01	-3.14	-47.01	47.11	183.82	.51
4400.00	2.26	292.65	4399.17	-44.31	-8.66	-44.31	45.15	191.06	.51
4600.00	2.19	297.16	4599.02	-41.05	-15.70	-41.05	43.95	200.93	.09
4800.00	2.58	303.58	4798.85	-36.81	-22.85	-36.81	43.33	211.83	.24
5000.00	2.35	306.34	4998.66	-31.90	-29.90	-31.90	43.72	223.15	.13
5200.00	1.88	310.33	5198.52	-27.34	-35.71	-27.34	44.97	232.56	.25
5400.00	1.18	319.34	5398.45	-23.66	-39.55	-23.66	46.08	239.11	.37
5600.00	1.25	313.87	5598.41	-20.58	-42.46	-20.58	47.19	244.14	.07
5800.00	1.30	334.63	5798.36	-17.02	-45.01	-17.02	48.12	249.28	.23
6000.00	1.90	337.46	5998.28	-11.91	-47.25	-11.91	48.73	255.85	.30
6200.00	2.16	334.25	6198.15	-5.45	-50.16	-5.45	50.45	263.80	.14
6400.00	2.66	352.79	6397.98	2.55	-52.38	2.55	52.44	272.78	.46
Last Survey Depth Recorded									
6600.00	2.79	347.75	6597.75	11.91	-53.99	11.91	55.29	282.44	.14



Yates Southland Royalty APM State #5H Gyro+MWD 0' to 12582ft Survey
Geodetic Report
(Def Survey)



Report Date: March 19, 2013 - 02:52 PM
Client: Yates Petroleum
Field: NM Eddy County (NAD 83)
Structure / Slot: Yates Southland Royalty APM State #5H / Yates Southland Royalty APM State #5H
Well: Southland Royalty APM State #5H
Borehole: Original Borehole
UWI / API#: Unknown / Unknown
Survey Name: Yates Southland Royalty APM State #5H Gyro+MWD 0' to 12582ft
Survey Date: March 01, 2013
Tort / AHD / DDI / ERD Ratio: 142.008 * / 4903.579 ft / 6.034 / 0.605
Coordinate Reference System: NAD83 New Mexico State Plane, Eastern Zone, US Feet
Location Lat / Long: N 32° 38' 21.60538", W 104° 2' 7.14962"
Location Grid N/E Y/X: N 596449.575 ftUS, E 633071.686 ftUS
CRS Grid Convergence Angle: 0.1607 *
Grid Scale Factor: 0.99991873

Survey / DLS Computation: Minimum Curvature / Lubinski
Vertical Section Azimuth: 1.820 * (Grid North)
Vertical Section Origin: 0.000 ft, 0.000 ft
TVD Reference Datum: RKB
TVD Reference Elevation: 3345.000 ft above
Seabed / Ground Elevation: 3327.000 ft above
Magnetic Declination: 7.729 *
Total Gravity Field Strength: 999.2063 mgn (9.8 based)
Total Magnetic Field Strength: 48620.335 nT
Magnetic Dip Angle: 60.410 *
Declination Date: March 01, 2013
Magnetic Declination Model: BGGM 2012
North Reference: Grid North
Grid Convergence Used: 0.1607 *
Total Corr Mag North->Grid North: 7.5684 *
Local Coord Referenced To: Structure Reference Point

Comments	MD (ft)	Incl (°)	Azim Grid (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft)	DLS (°/100ft)	Northing (ftUS)	Easting (ftUS)	Latitude (N/S ° ' ")	Longitude (E/W ° ' ")
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	596449.58	633071.69	N 32 38 21.61 W 104 2 7.15	
	200.00	0.69	255.25	200.00	-0.34	-0.31	-1.16	0.35	596449.27	633070.52	N 32 38 21.60 W 104 2 7.16	
	400.00	2.30	225.35	399.92	-3.60	-3.43	-5.18	0.87	596446.14	633066.50	N 32 38 21.57 W 104 2 7.21	
	600.00	2.05	222.40	599.78	-9.22	-8.90	-10.45	0.14	596440.68	633061.24	N 32 38 21.52 W 104 2 7.27	
	800.00	1.49	259.70	799.69	-12.49	-12.00	-15.42	0.63	596437.57	633056.27	N 32 38 21.49 W 104 2 7.33	
	1000.00	0.40	98.60	999.67	-13.11	-12.57	-17.29	0.94	596437.00	633054.40	N 32 38 21.48 W 104 2 7.35	
	1200.00	1.03	116.16	1199.65	-13.94	-13.47	-14.99	0.33	596436.11	633056.70	N 32 38 21.47 W 104 2 7.33	
	1400.00	1.50	116.55	1399.60	-15.77	-15.43	-11.03	0.24	596434.15	633060.66	N 32 38 21.45 W 104 2 7.28	
	1600.00	0.91	132.57	1599.56	-17.91	-17.68	-7.52	0.34	596431.90	633064.17	N 32 38 21.43 W 104 2 7.24	
	1800.00	1.12	132.68	1799.53	-20.22	-20.08	-4.91	0.11	596429.50	633066.77	N 32 38 21.41 W 104 2 7.21	
	2000.00	0.43	131.79	1999.51	-21.98	-21.90	-2.92	0.35	596427.68	633068.77	N 32 38 21.39 W 104 2 7.18	
	2200.00	1.05	158.32	2199.49	-24.14	-24.10	-1.68	0.35	596425.47	633070.01	N 32 38 21.37 W 104 2 7.17	
	2400.00	1.07	171.13	2399.46	-27.66	-27.65	-0.72	0.12	596421.93	633070.97	N 32 38 21.33 W 104 2 7.16	
	2600.00	1.07	178.39	2599.42	-31.36	-31.36	-0.38	0.07	596418.21	633071.31	N 32 38 21.30 W 104 2 7.16	
	2800.00	0.92	196.56	2799.39	-34.78	-34.77	-0.78	0.17	596414.81	633070.91	N 32 38 21.26 W 104 2 7.16	
	3000.00	1.10	162.06	2999.36	-38.14	-38.13	-0.65	0.31	596411.44	633071.04	N 32 38 21.23 W 104 2 7.16	
	3200.00	1.09	171.87	3199.33	-41.82	-41.84	0.21	0.09	596407.73	633071.90	N 32 38 21.19 W 104 2 7.15	
	3400.00	0.58	164.42	3399.31	-44.66	-44.70	0.75	0.26	596404.88	633072.44	N 32 38 21.16 W 104 2 7.14	
	3600.00	0.51	179.14	3599.30	-46.57	-46.57	1.04	0.08	596403.01	633072.73	N 32 38 21.14 W 104 2 7.14	
	3800.00	0.27	245.22	3799.29	-47.61	-47.65	0.63	0.24	596401.92	633072.31	N 32 38 21.13 W 104 2 7.14	
	4000.00	0.43	257.09	3999.29	-48.01	-48.02	-0.53	0.09	596401.56	633071.15	N 32 38 21.13 W 104 2 7.16	
	4200.00	1.27	302.12	4199.27	-47.09	-47.01	-3.14	0.51	596402.57	633068.54	N 32 38 21.14 W 104 2 7.19	
	4400.00	2.26	292.65	4399.17	-44.56	-44.31	-8.66	0.51	596405.27	633063.03	N 32 38 21.17 W 104 2 7.25	
	4600.00	2.19	297.16	4599.02	-41.53	-41.05	-15.70	0.09	596408.53	633055.99	N 32 38 21.20 W 104 2 7.33	
	4800.00	2.58	303.58	4798.85	-37.52	-36.81	-22.85	0.24	596412.76	633048.84	N 32 38 21.24 W 104 2 7.42	
	5000.00	2.35	306.34	4998.66	-32.83	-31.90	-29.90	0.13	596417.68	633041.79	N 32 38 21.29 W 104 2 7.50	
	5200.00	1.88	310.33	5198.52	-28.46	-27.34	-35.71	0.25	596422.23	633035.98	N 32 38 21.34 W 104 2 7.57	
	5400.00	1.18	319.34	5398.45	-24.90	-23.66	-39.55	0.37	596425.92	633032.14	N 32 38 21.37 W 104 2 7.61	
	5600.00	1.25	313.87	5598.41	-21.92	-20.58	-42.46	0.07	596428.99	633029.23	N 32 38 21.40 W 104 2 7.65	
	5800.00	1.30	334.63	5798.36	-18.44	-17.02	-45.01	0.23	596432.56	633026.68	N 32 38 21.44 W 104 2 7.68	
	6000.00	1.90	337.46	5998.28	-13.40	-11.91	-47.25	0.30	596437.67	633024.44	N 32 38 21.49 W 104 2 7.70	
	6200.00	2.16	334.25	6198.15	-7.04	-5.45	-50.16	0.14	596444.12	633021.53	N 32 38 21.55 W 104 2 7.74	
	6400.00	2.66	352.79	6397.98	0.88	2.55	-52.38	0.46	596452.12	633019.31	N 32 38 21.62 W 104 2 7.76	
	6600.00	2.79	347.75	6597.75	10.19	11.91	-53.99	0.14	596461.48	633017.70	N 32 38 21.72 W 104 2 7.78	
	6800.00	2.46	325.29	6797.66	13.91	15.68	-55.58	1.18	596465.25	633016.11	N 32 38 21.76 W 104 2 7.80	
	7000.00	2.02	324.50	6997.61	15.84	17.66	-56.97	0.71	596467.23	633014.72	N 32 38 21.78 W 104 2 7.82	
	7200.00	2.37	323.39	7197.57	17.72	19.58	-58.37	0.57	596469.15	633013.32	N 32 38 21.80 W 104 2 7.83	
	7400.00	0.97	358.03	7397.53	20.03	21.94	-59.55	1.77	596471.51	633012.14	N 32 38 21.82 W 104 2 7.85	
	7600.00	0.44	353.66	7597.52	21.17	23.08	-58.62	0.57	596472.65	633012.07	N 32 38 21.84 W 104 2 7.85	
	7800.00	1.06	340.14	7797.51	22.32	24.24	-59.95	0.89	596473.81	633011.74	N 32 38 21.85 W 104 2 7.85	
	8000.00	1.67	345.94	7997.48	24.43	26.36	-60.57	0.67	596475.94	633011.12	N 32 38 21.87 W 104 2 7.86	
	8200.00	0.97	4.31	8197.46	26.54	28.49	-60.85	0.86	596478.06	633010.84	N 32 38 21.89 W 104 2 7.86	
	8400.00	1.06	3.55	8397.44	28.19	30.13	-60.73	0.10	596479.70	633010.96	N 32 38 21.91 W 104 2 7.86	
	8600.00	0.62	65.16	8597.44	29.28	31.21	-60.22	1.00	596480.78	633011.47	N 32 38 21.92 W 104 2 7.85	
	8800.00	1.58	79.17	8797.42	29.62	31.51	-59.09	1.62	596481.08	633012.60	N 32 38 21.92 W 104 2 7.84	
	9000.00	2.37	87.43	8997.41	29.76	31.62	-58.03	2.70	596481.19	633013.66	N 32 38 21.92 W 104 2 7.83	
	9200.00	3.43	65.55	9197.37	30.22	32.03	-56.55	4.89	596481.60	633015.14	N 32 38 21.92 W 104 2 7.81	
	9400.00	6.42	40.20	9397.35	31.99	33.74	-54.59	11.71	596483.31	633017.11	N 32 38 21.94 W 104 2 7.79	
	9600.00	10.55	26.75	9597.30	36.05	37.72	-52.11	14.23	596487.29	633019.58	N 32 38 21.98 W 104 2 7.76	
	9800.00	15.04	20.16	9797.28	42.44	44.04	-49.45	15.21	596493.61	633022.24	N 32 38 22.04 W 104 2 7.73	
	10000.00	19.26	14.79	9997.24	51.25	52.76	-46.75	14.53	596502.33	633024.94	N 32 38 22.13 W 104 2 7.69	
	10200.00	23.04	10.51	10197.21	62.23	63.67	-44.34	13.16	596513.24	633027.35	N 32 38 22.24 W 104 2 7.67	
	10400.00	25.94	7.45	10397.18	74.98	76.36	-42.35	10.21	596525.93	633029.34	N 32 38 22.36 W 104 2 7.64	
	10600.00	28.75	4.42	10597.15	89.18	90.52	-40.90	10.11	596540.09	633030.79	N 32 38 22.50 W 104 2 7.62	
	10800.00	31.92	1.52	10797.14	104.83	106.15	-40.11	11.28	596555.72	633031.58	N 32 38 22.66 W 104 2 7.62	
	11000.00	35.26	358.77	10997.11	121.96	123.30	-40.08	11.84	596572.86	633031.81	N 32 38 22.83 W 104 2 7.61	
	11200.00	38.43	358.23	11197.08	140.52	141.88	-40.57	10.28	596591.44	633031.12	N 32 38 23.01 W 104 2 7.62	
	11400.00	41.86	359.26	11397.05	160.47	161.86	-41.00	11.27	596611.42	633030.69	N 32 38 23.21 W 104 2 7.62	
	11600.00	45.02	359.85	11597.02	182.46	183.86	-41.17	9.96	596633.42	633030.52	N 32 38 23.43 W 104 2 7.63	
	11800.00	48.19	359.99	11797.00	204.97	206.38	-41.20	10.23	596655.94	633030.49	N 32 38 23.65 W 104 2 7.62	
	12000.00	50.65	0.57	11997.00	228.50	229.92	-41.08	8.06	596679.48	633030.60	N 32 38 23.88 W 104 2 7.62	
	12200.00	53.73	1.11	12197.00	252.19	253.62	-40.73	10.36	596703.17	633030.95	N 32 38 24.12 W 104 2 7.62	
	12400.00	56.89	0.15	12397.00	277.67	279.10	-40.46	10.51	596728.65	633031.23	N 32 38 24.37 W 104 2 7.61	
	12582.00	60.06	0.41	12582.00	304.94	306.37	-40.32	9.93	596755.92	633031.37	N 32 38 24.64 W 104 2 7.61	

Comments	MD (ft)	Incl (°)	Azim Gnd (°)	TVD (ft)	VSEC (ft)	NS (ft)	EW (ft/100ft)	DLS (ft)	Northing (ft)	Easting (ft)	Latitude (N/S/...) (°/M/...)	Longitude (E/W/...) (°/M/...)	Survey Type:		Survey Error Model:		Description						
													MD From (ft)	MD To (ft)	EOU Freq (ft)	Hole Size (in)		Casing Diameter (in)	Survey Tool Type	Borehole / Survey			
8339.00	84.68	8082.34	510.57	1779.61	1781.57	-33.45	1.70	598230.99	633038.24	N 32 38 39.23	W 104 2	7.48	0.78	359.90	8093.00	1872.57	1874.54	-32.26	0.67	598333.96	N 32 38 40.15	W 104 2	7.47
9702.00	89.08	8093.00	1967.53	1965.53	1967.53	-31.70	1.21	598416.94	633038.99	N 32 38 41.07	W 104 2	7.46	0.17	2058.48	8094.28	2151.45	2153.53	-31.65	0.29	598509.93	N 32 38 41.99	W 104 2	7.45
9981.00	89.96	8094.49	2151.45	2153.53	2153.53	-31.31	0.21	598602.92	633040.38	N 32 38 42.91	W 104 2	7.45	0.25	8094.49	8094.49	2451.45	2453.51	-29.35	0.19	598682.89	N 32 38 43.84	W 104 2	7.44
10075.00	89.60	8094.85	2245.42	2247.53	2247.53	-30.75	0.43	598696.91	633040.94	N 32 38 44.76	W 104 2	7.44	0.43	8095.79	8095.79	2338.59	2340.52	-30.05	0.09	598789.90	N 32 38 45.68	W 104 2	7.41
10261.00	89.34	8096.49	2431.35	2433.51	2433.51	-29.35	0.19	598882.89	633042.34	N 32 38 46.61	W 104 2	7.40	0.43	8097.43	8097.43	2525.33	2527.50	-28.29	0.51	598969.84	N 32 38 47.53	W 104 2	7.37
10448.00	89.78	8098.00	2618.32	2620.48	2620.48	-26.52	0.55	598969.84	633045.17	N 32 38 48.45	W 104 2	7.35	1.22	8098.50	8098.50	2713.46	2715.46	-24.46	0.22	599162.81	N 32 38 49.38	W 104 2	7.32
10635.00	90.31	8098.57	2805.30	2807.44	2807.44	-22.82	0.89	599256.79	633048.86	N 32 38 49.38	W 104 2	7.31	0.78	2898.29	2898.29	2900.43	2902.27	-21.66	0.10	599349.77	N 32 38 50.30	W 104 2	7.30
10728.00	90.22	8098.14	2898.29	2900.43	2900.43	-21.66	0.10	599349.77	633050.13	N 32 38 51.23	W 104 2	7.29	0.69	2992.27	2992.27	2994.43	2996.49	-20.35	0.29	599443.75	N 32 38 52.33	W 104 2	7.27
10816.00	89.40	8095.54	3365.19	3367.39	3367.39	-15.92	0.41	599816.69	633055.77	N 32 38 54.92	W 104 2	7.23	0.87	8095.54	8095.54	3458.18	3460.38	-14.43	0.10	599909.67	N 32 38 55.84	W 104 2	7.20
11381.00	90.40	8094.89	3551.17	3553.36	3553.36	-12.74	0.38	600002.64	633058.95	N 32 38 56.76	W 104 2	7.18	1.22	8094.89	8094.89	3645.15	3647.34	-10.95	0.39	600096.61	N 32 38 57.69	W 104 2	7.16
11475.00	90.66	8094.02	3645.15	3647.34	3647.34	-10.95	0.39	600096.61	633060.74	N 32 38 58.61	W 104 2	7.14	0.61	8092.74	8092.74	3738.13	3740.32	-9.67	0.47	600189.59	N 32 38 59.54	W 104 2	7.12
11568.00	90.92	8091.37	3832.09	3834.31	3834.31	-8.82	0.26	600283.57	633063.63	N 32 39 0.45	W 104 2	7.10	0.43	8090.17	8090.17	3924.06	3926.30	-8.06	0.10	600375.55	N 32 39 1.36	W 104 2	7.08
11662.00	90.75	8088.47	4016.03	4018.28	4018.28	-7.02	0.72	600467.52	633067.07	N 32 39 1.36	W 104 2	7.06	0.52	8088.47	8088.47	4082.79	4085.19	-4.79	0.09	600560.48	N 32 39 2.28	W 104 2	7.05
11754.00	90.75	8086.48	4108.98	4111.25	4111.25	-6.11	0.55	600560.48	633068.58	N 32 39 2.28	W 104 2	7.04	0.34	4202.93	4202.93	4205.23	4207.22	-5.55	0.00	600654.46	N 32 39 3.21	W 104 2	7.03
11846.00	91.36	8084.67	4202.93	4205.23	4205.23	-5.55	0.00	600654.46	633069.14	N 32 39 3.21	W 104 2	7.03	0.17	4296.88	4296.88	4299.22	4301.25	-5.13	0.26	600748.43	N 32 39 4.14	W 104 2	7.02
11939.00	91.10	8083.02	4296.88	4299.22	4299.22	-5.13	0.26	600748.43	633069.56	N 32 39 4.14	W 104 2	7.02	0.25	4390.83	4390.83	4393.20	4395.19	-4.79	0.31	600842.41	N 32 39 5.07	W 104 2	7.00
12033.00	90.84	8078.72	4576.76	4579.18	4579.18	-3.39	0.10	601028.37	633068.30	N 32 39 6.91	W 104 2	7.00	0.34	4670.72	4670.72	4673.17	4675.16	-2.76	0.21	601122.35	N 32 39 7.84	W 104 2	7.00
12501.00	90.66	8077.48	4670.72	4673.17	4673.17	-2.76	0.21	601122.35	633068.93	N 32 39 7.84	W 104 2	7.00	0.34	4751.69	4751.69	4754.16	4756.16	-2.28	0.00	601203.34	N 32 39 8.65	W 104 2	7.00
12582.00	90.48	8076.76	4751.69	4754.16	4754.16	-2.28	0.00	601203.34	633069.41	N 32 39 8.65	W 104 2	7.00	0.34	4807.71	4807.71	4810.00	4812.00	-2.00	0.00	601300.00	N 32 39 9.50	W 104 2	7.00



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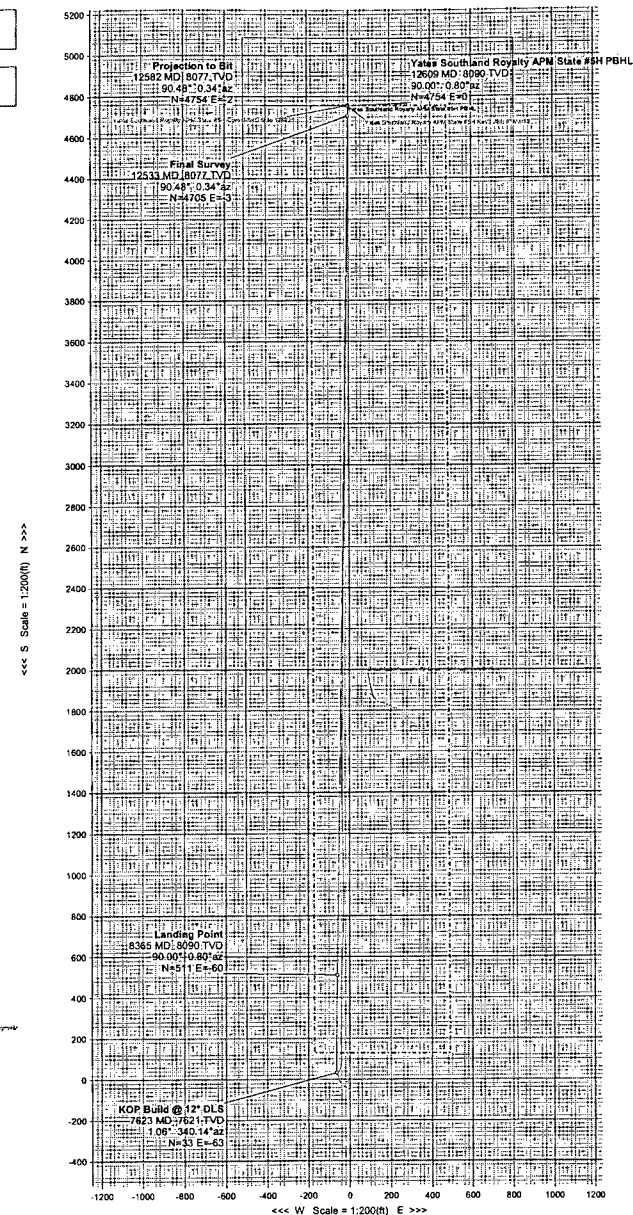
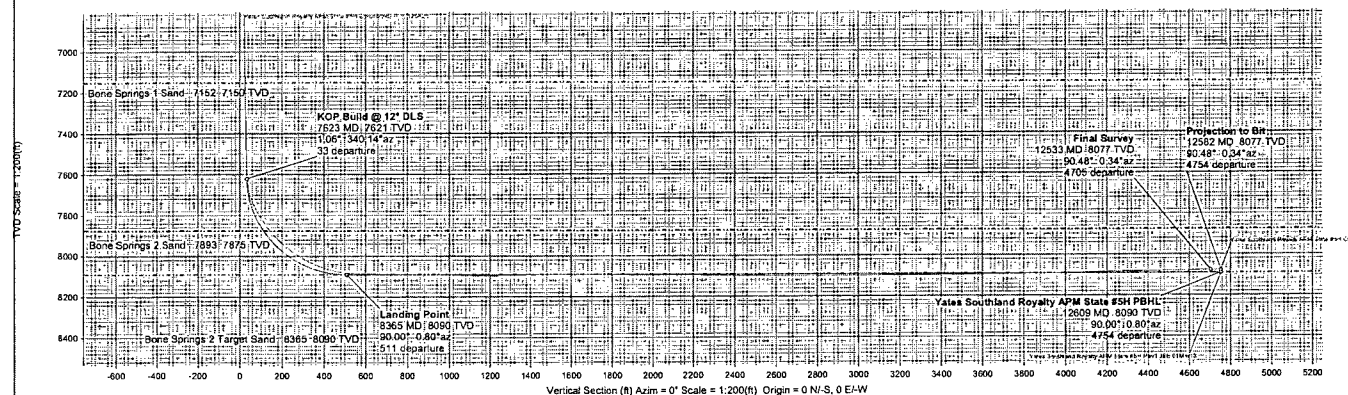
WELL Southland Royalty APM State #5H			FIELD NM Eddy County (NAD 83)			STRUCTURE Silver Oak 10		
Magnetic Parameters Model: BG4M 2012 Dip: 60.413° Mag Dec: 7.741°			Surface Location NAD83 New Mexico State Plane, Eastern Zone, U.S. Feet Lat: N 37 38 11.605 Long: W 104 2 7.150 Easting: 594449.16 (125) Scale Feet: 0.9991473			Miscellaneous Shot: Southland Royalty APM State #5H(7) Ref: RUC32448 (dove) Plan: Rev: JBE 01Mar13 Survey Date: January 24, 2013		
Date: January 24, 2013 PS: 44633 InT								



Grid North
Tot Corr (M->G)
7.5799°
Mag Dec (7.741°)
Grid Conv (0.161°)

Legend

Yates Southland Royalty APM State #5H(7) wellbore
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Yates Southland Royalty APM State #5H(7) wellbore



Drawn By: Current User
Date Created: March 08, 2013 08:23:33 AM
Checked By:
Checked Date:
Approved By:
Approved Date: