Oilfield Services, Central U.S. Land

Reservoir Development
Drilling & Measurements (Anadrill)
2225 Energy Ave
Alice, Texas
78332, USA
Phone: (361)-396-0801
Fax: (361)-396-0704

Schlumberger

May 22, 2003

Oil Conservation Division
District I
1625 N French Drive
Hobbs, New Mexico 88241

Re:
Oxy Permian
North Hobbs Unit 29-944 OH
Lea County
Rig: Key 11
Lea County
API No. 93000347
-JSO# 40007921

Schlumberger Private

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation (P-5 No. 754900). Other information required by your office is as follows.

Name & Title of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Stephan Mrozewski MWD	Original Hole	2480 Ft– 3502 Ft	Sep 22, 2002 – Sep 27, 2002	Slimpulse
		3536 Ft- 4950 Ft	Sep 27, 2002 – Oct 10, 2002	Power Pulse
		5032 Ft- 6374 Ft	Oct 14, 2002 – Oct 18, 2002	Impulse

A certified plat on the bottom hole located is oriented both to the surface location and to the lease lines (or until line in case of pooling) is attached to survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Tony Pershall

CC: Oxy Permian

State of Texas

CHARLOTTE A. SODOLAK
NOTARY PUBLIC, STATE OF TEXAS
MY COMMISSION EXPIRES
JULY 19, 2003

Charlotte A. Sodolak

I, Tony Pershall certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of September 22, 2002 through October 18, 2002 conduct or supervise the taking of the Slimpulse surveys from a depth of 2480.00 feet to a depth of 3502.00 feet, the Powerpulse surveys from a depth of 3536.00 feet to a depth of 4950.00 feet, the Impulse surveys from a depth of 5032.00 feet to a depth of 6374.00 feet that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Oxy Permian. for the North Hobbs Unit 29-944 OH Well (Original Hole) API No. 93000347 in, New Mexico; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.

Oxy Permian

Schlumberger

NHU 29-944 Survey Survey Report

Report Date:	November 14, 2002	**Survey / DLS Computation Method:**	Minimum Curvature / Lubinski
Client:	Oxy Permian	**Vertical Section Azimuth:**	181.270°
Field:	North Hobbs Greyburg San Andres Unit	**Vertical Section Origin:**	N 0.000 ft, E 0.000 ft
Structure / Slot:	Oxy Permian / NHU 29-944	**TVD Reference Datum:**	RKB
Well:	NHU 29-944	**TVD Reference Elevation:**	3658.0 ft relative to MSL
Borehole:	NHU 29-944	**Sea Bed / Ground Level Elevation:**	3600.000 ft relative to MSL
UWI/API#:	3002535999	**Magnetic Declination:**	8.452°
Survey Name / Date:	NHU 29-944 Survey / September 25, 2002	**Total Field Strength:**	49873.500 nT
Tort / AHD / DDI / ERD ratio:	146.290° / 3053.71 ft / 5.853 / 0.756	**Magnetic Dip:**	60.931°
Grid Coordinate System:	NAD27 New Mexico State Planes, Eastern Zone, US Feet	**Declination Date:**	September 25, 2002
Location Lat/Long:	N 32 42 54.759, W 103 9 51.637	**Magnetic Declination Model:**	BGGM 2002
Location Grid N/E Y/X:	N 625887.185 ftUS, E 859550.072 ftUS	**North Reference:**	Grid North
Grid Convergence Angle:	+0.63185953°	**Total Corr Mag North -> Grid North:**	+7.820°
Grid Scale Factor:	1.00005714	**Local Coordinates Referenced To:**	Well Head

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
cientific Gyro' to 2450'	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	625887.19	859550.07	N 32 42 54.759	W 103 9 51.637
	100.00	0.57	16.28	100.00	-0.48	0.48	0.14	0.57	625887.66	859550.21	N 32 42 54.763	W 103 9 51.635
	200.00	0.61	44.53	199.99	-1.35	1.33	0.65	0.29	625888.52	859550.72	N 32 42 54.772	W 103 9 51.629
	300.00	0.54	49.08	299.99	-2.05	2.02	1.38	0.08	625889.21	859551.45	N 32 42 54.779	W 103 9 51.620
	400.00	0.39	40.46	399.98	-2.63	2.59	1.96	0.17	625889.78	859552.03	N 32 42 54.784	W 103 9 51.613
	500.00	0.67	96.59	499.98	-2.84	2.78	2.76	0.56	625889.97	859552.83	N 32 42 54.786	W 103 9 51.604
	600.00	0.26	42.17	599.98	-2.96	2.88	3.49	0.56	625890.07	859553.57	N 32 42 54.787	W 103 9 51.595
	700.00	0.23	39.07	699.98	-3.29	3.21	3.77	0.03	625890.39	859553.84	N 32 42 54.790	W 103 9 51.592
	800.00	0.45	78.78	799.98	-3.53	3.44	4.28	0.31	625890.62	859554.36	N 32 42 54.792	W 103 9 51.586
	900.00	0.37	76.73	899.97	-3.70	3.59	4.98	0.08	625890.78	859555.06	N 32 42 54.794	W 103 9 51.578
	1000.00	0.39	105.63	999.97	-3.70	3.57	5.63	0.19	625890.76	859555.70	N 32 42 54.794	W 103 9 51.570
	1100.00	0.49	115.48	1099.97	-3.44	3.30	6.34	0.13	625890.48	859556.41	N 32 42 54.791	W 103 9 51.562
	1200.00	0.38	105.60	1199.96	-3.18	3.02	7.04	0.13	625890.21	859557.12	N 32 42 54.788	W 103 9 51.554
	1300.00	0.27	46.31	1299.96	-3.26	3.10	7.53	0.34	625890.28	859557.61	N 32 42 54.789	W 103 9 51.548
	1400.00	0.56	70.40	1399.96	-3.60	3.42	8.16	0.33	625890.61	859558.24	N 32 42 54.792	W 103 9 51.541
	1500.00	1.05	40.87	1499.95	-4.48	4.28	9.22	0.63	625891.47	859559.30	N 32 42 54.800	W 103 9 51.528
	1600.00	1.13	48.35	1599.93	-5.86	5.63	10.56	0.16	625892.81	859560.63	N 32 42 54.813	W 103 9 51.512
	1700.00	0.75	22.71	1699.92	-7.14	6.89	11.55	0.56	625894.07	859561.62	N 32 42 54.826	W 103 9 51.501
	1800.00	0.19	331.63	1799.92	-7.90	7.64	11.72	0.65	625894.82	859561.80	N 32 42 54.833	W 103 9 51.498
	1900.00	0.21	193.16	1899.92	-7.86	7.60	11.60	0.37	625894.79	859561.68	N 32 42 54.833	W 103 9 51.500
	2000.00	0.32	154.20	1999.91	-7.43	7.17	11.68	0.20	625894.36	859561.76	N 32 42 54.828	W 103 9 51.499
	2100.00	0.73	76.05	2099.91	-7.35	7.08	12.42	0.73	625894.26	859562.50	N 32 42 54.827	W 103 9 51.490
	2200.00	1.76	59.38	2199.89	-8.33	8.01	14.36	1.08	625895.20	859564.44	N 32 42 54.836	W 103 9 51.468
	2300.00	2.41	55.70	2299.82	-10.36	9.98	17.42	0.66	625897.17	859567.49	N 32 42 54.856	W 103 9 51.431
	2400.00	2.37	53.62	2399.73	-12.85	12.39	20.82	0.10	625899.58	859570.90	N 32 42 54.879	W 103 9 51.391
	2450.00	2.42	62.70	2449.69	-13.99	13.49	22.59	0.76	625900.67	859572.67	N 32 42 54.890	W 103 9 51.370
LB MWD Surveys	2480.00	2.25	57.70	2479.66	-14.61	14.09	23.65	0.88	625901.28	859573.73	N 32 42 54.896	W 103 9 51.358
	2511.00	2.45	80.12	2510.64	-15.08	14.53	24.82	3.01	625901.72	859574.89	N 32 42 54.900	W 103 9 51.344
	2542.00	2.72	106.55	2541.61	-15.01	14.44	26.18	3.90	625901.62	859576.25	N 32 42 54.899	W 103 9 51.328
	2572.00	3.35	129.15	2571.57	-14.29	13.68	27.54	4.47	625900.87	859577.62	N 32 42 54.891	W 103 9 51.313
	2603.00	4.10	142.19	2602.50	-12.87	12.23	28.92	3.64	625899.42	859579.00	N 32 42 54.877	W 103 9 51.297
	2634.00	5.24	146.96	2633.40	-10.84	10.17	30.37	3.88	625897.36	859580.45	N 32 42 54.856	W 103 9 51.280
	2665.00	6.68	153.29	2664.23	-8.08	7.37	31.96	5.10	625894.56	859582.03	N 32 42 54.828	W 103 9 51.262
	2695.00	8.07	161.02	2693.98	-4.56	3.82	33.43	5.68	625891.01	859583.50	N 32 42 54.793	W 103 9 51.245
	2726.00	9.43	170.56	2724.62	-0.03	-0.74	34.55	6.40	625886.44	859584.62	N 32 42 54.748	W 103 9 51.232
	2757.00	11.00	177.68	2755.13	5.42	-6.20	35.09	6.49	625880.98	859585.16	N 32 42 54.694	W 103 9 51.227
	2788.00	12.83	178.54	2785.46	11.81	-12.60	35.29	5.93	625874.59	859585.37	N 32 42 54.630	W 103 9 51.225
	2819.00	14.67	179.29	2815.57	19.17	-19.96	35.43	5.96	625867.22	859585.50	N 32 42 54.557	W 103 9 51.225
	2850.00	16.46	179.40	2845.44	27.49	-28.28	35.53	5.77	625858.90	859585.60	N 32 42 54.475	W 103 9 51.225
	2881.00	18.22	178.88	2875.03	36.72	-37.52	35.67	5.70	625849.66	859585.74	N 32 42 54.384	W 103 9 51.224
	2911.00	19.71	179.39	2903.40	46.46	-47.27	35.81	5.00	625839.91	859585.89	N 32 42 54.287	W 103 9 51.224

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	2942.00	21.25	179.64	2932.44	57.30	-58.11	35.90	4.98	625829.07	859585.98	N 32 42 54.180	W 103 9 51.224
	2973.00	22.99	180.71	2961.15	68.97	-69.78	35.86	5.76	625817.40	859585.94	N 32 42 54.064	W 103 9 51.226
	3003.00	24.21	182.12	2988.64	80.98	-81.79	35.56	4.48	625805.39	859585.64	N 32 42 53.946	W 103 9 51.231
	3034.00	24.99	185.35	3016.83	93.87	-94.66	34.72	5.01	625792.52	859584.79	N 32 42 53.818	W 103 9 51.243
	3065.00	24.86	185.39	3044.94	106.90	-107.67	33.49	0.42	625779.51	859583.57	N 32 42 53.690	W 103 9 51.259
	3096.00	24.86	184.69	3073.07	119.91	-120.65	32.35	0.95	625766.53	859582.42	N 32 42 53.562	W 103 9 51.274
	3126.00	24.89	184.56	3100.29	132.50	-133.23	31.33	0.21	625753.95	859581.41	N 32 42 53.437	W 103 9 51.287
	3157.00	25.12	184.75	3128.38	145.58	-146.29	30.27	0.79	625740.89	859580.34	N 32 42 53.308	W 103 9 51.301
	3188.00	24.98	184.83	3156.47	158.68	-159.37	29.17	0.46	625727.81	859579.25	N 32 42 53.179	W 103 9 51.316
	3219.00	24.79	184.76	3184.59	171.70	-172.37	28.08	0.62	625714.81	859578.16	N 32 42 53.050	W 103 9 51.330
	3250.00	24.73	184.73	3212.74	184.66	-185.31	27.01	0.20	625701.87	859577.08	N 32 42 52.922	W 103 9 51.344
	3281.00	24.79	183.99	3240.89	197.63	-198.25	26.02	1.02	625688.92	859576.09	N 32 42 52.794	W 103 9 51.358
	3313.00	24.35	180.32	3269.99	210.93	-211.54	25.52	4.96	625675.63	859575.59	N 32 42 52.663	W 103 9 51.365
	3345.00	25.35	178.42	3299.03	224.36	-224.99	25.67	4.00	625662.18	859575.74	N 32 42 52.530	W 103 9 51.365
	3376.00	26.36	176.61	3326.93	237.85	-238.49	26.26	4.13	625648.68	859576.33	N 32 42 52.396	W 103 9 51.360
	3408.00	27.54	176.41	3355.45	252.31	-252.97	27.14	3.70	625634.20	859577.22	N 32 42 52.253	W 103 9 51.352
	3438.00	28.75	177.08	3381.90	266.41	-267.10	27.94	4.17	625620.07	859578.02	N 32 42 52.113	W 103 9 51.344
	3470.00	29.37	177.60	3409.88	281.92	-282.62	28.67	2.09	625604.55	859578.74	N 32 42 51.959	W 103 9 51.338
	3502.00	30.26	178.07	3437.64	297.80	-298.52	29.27	2.88	625588.65	859579.34	N 32 42 51.802	W 103 9 51.333
	3536.00	31.62	176.46	3466.80	315.24	-315.98	30.10	4.68	625571.19	859580.18	N 32 42 51.629	W 103 9 51.325
	3568.00	32.61	177.05	3493.90	332.19	-332.97	31.07	3.25	625554.20	859581.14	N 32 42 51.461	W 103 9 51.316
	3599.00	33.44	178.69	3519.90	349.06	-349.85	31.69	3.93	625537.32	859581.76	N 32 42 51.294	W 103 9 51.311
	3630.00	34.72	180.69	3545.57	366.42	-367.22	31.78	5.49	625519.95	859581.85	N 32 42 51.122	W 103 9 51.312
	3661.00	36.50	181.92	3570.77	384.47	-385.26	31.36	6.19	625501.90	859581.44	N 32 42 50.944	W 103 9 51.319
	3692.00	38.56	182.46	3595.36	403.35	-404.13	30.64	6.73	625483.03	859580.71	N 32 42 50.757	W 103 9 51.330
	3723.00	40.67	182.63	3619.24	423.11	-423.87	29.76	6.82	625463.29	859579.84	N 32 42 50.562	W 103 9 51.343
	3755.00	42.74	182.83	3643.13	444.39	-445.14	28.75	6.48	625442.02	859578.82	N 32 42 50.351	W 103 9 51.358
	3787.00	44.52	182.82	3666.29	466.46	-467.19	27.66	5.56	625419.97	859577.73	N 32 42 50.133	W 103 9 51.373
	3819.00	46.33	182.61	3688.75	489.25	-489.96	26.58	5.68	625397.20	859576.65	N 32 42 49.908	W 103 9 51.389
	3850.00	48.14	182.18	3709.79	512.00	-512.70	25.63	5.93	625374.46	859575.70	N 32 42 49.683	W 103 9 51.403
	3882.00	49.64	181.93	3730.83	536.11	-536.79	24.77	4.72	625350.36	859574.84	N 32 42 49.445	W 103 9 51.416
	3913.00	51.44	181.67	3750.53	560.04	-560.71	24.02	5.84	625326.44	859574.09	N 32 42 49.208	W 103 9 51.428
	3945.00	53.44	181.39	3770.04	585.41	-586.07	23.34	6.29	625301.08	859573.41	N 32 42 48.958	W 103 9 51.439
	3976.00	55.23	181.63	3788.11	610.59	-611.24	22.68	5.81	625275.91	859572.75	N 32 42 48.709	W 103 9 51.450
	4008.00	56.83	182.10	3805.99	637.13	-637.77	21.81	5.15	625249.38	859571.88	N 32 42 48.446	W 103 9 51.464
	4039.00	58.36	182.78	3822.61	663.29	-663.92	20.70	5.27	625223.23	859570.77	N 32 42 48.188	W 103 9 51.480
	4071.00	59.85	183.01	3839.04	690.74	-691.34	19.31	4.70	625195.81	859569.38	N 32 42 47.916	W 103 9 51.500
	4103.00	61.17	182.89	3854.79	718.58	-719.16	17.87	4.14	625167.99	859567.95	N 32 42 47.641	W 103 9 51.520
	4134.00	62.56	182.68	3869.41	745.91	-746.46	16.55	4.52	625140.68	859566.62	N 32 42 47.371	W 103 9 51.539
	4165.00	63.72	182.65	3883.41	773.56	-774.09	15.26	3.74	625113.06	859565.33	N 32 42 47.098	W 103 9 51.558
	4197.00	64.55	181.81	3897.37	802.35	-802.86	14.14	3.51	625084.28	859564.21	N 32 42 46.814	W 103 9 51.575
	4228.00	65.37	181.89	3910.49	830.43	-830.93	13.23	2.66	625056.21	859563.31	N 32 42 46.536	W 103 9 51.589
	4260.00	66.75	181.72	3923.48	859.68	-860.16	12.31	4.34	625026.98	859562.39	N 32 42 46.247	W 103 9 51.604
	4291.00	68.05	181.73	3935.39	888.29	-888.77	11.45	4.19	624998.37	859561.52	N 32 42 45.964	W 103 9 51.617
	4323.00	69.52	181.95	3946.97	918.12	-918.58	10.49	4.64	624968.55	859560.57	N 32 42 45.669	W 103 9 51.632
	4354.00	71.02	181.83	3957.43	947.30	-947.74	9.53	4.85	624939.39	859559.60	N 32 42 45.381	W 103 9 51.647
	4386.00	72.34	182.29	3967.49	977.68	-978.10	8.44	4.34	624909.03	859558.51	N 32 42 45.080	W 103 9 51.664
	4416.00	73.75	182.45	3976.24	1006.37	-1006.77	7.25	4.73	624880.36	859557.33	N 32 42 44.797	W 103 9 51.682
	4448.00	75.18	183.08	3984.81	1037.18	-1037.57	5.76	4.85	624849.56	859555.84	N 32 42 44.492	W 103 9 51.703
	4479.00	76.59	183.22	3992.37	1067.23	-1067.59	4.11	4.57	624819.54	859554.18	N 32 42 44.196	W 103 9 51.726
	4511.00	77.96	183.16	3999.42	1098.43	-1098.75	2.38	4.29	624788.37	859552.45	N 32 42 43.887	W 103 9 51.751
	4542.00	79.49	183.07	4005.48	1128.81	-1129.11	0.72	4.94	624758.02	859550.80	N 32 42 43.587	W 103 9 51.774
	4574.00	80.53	181.93	4011.03	1160.32	-1160.59	-0.65	4.78	624726.53	859549.42	N 32 42 43.276	W 103 9 51.794
	4605.00	82.10	181.38	4015.71	1190.96	-1191.22	-1.53	5.36	624695.90	859548.54	N 32 42 42.973	W 103 9 51.808
	4637.00	83.60	181.35	4019.70	1222.71	-1222.96	-2.29	4.69	624664.16	859547.78	N 32 42 42.659	W 103 9 51.821
	4670.00	85.01	181.57	4022.97	1255.55	-1255.79	-3.13	4.32	624631.33	859546.94	N 32 42 42.334	W 103 9 51.835
	4701.00	86.27	181.41	4025.33	1286.46	-1286.69	-3.93	4.10	624600.43	859546.14	N 32 42 42.029	W 103 9 51.849
	4730.00	86.27	181.46	4027.21	1315.40	-1315.62	-4.66	0.17	624571.50	859545.42	N 32 42 41.742	W 103 9 51.861
	4762.00	86.88	181.09	4029.13	1347.34	-1347.55	-5.37	2.23	624539.56	859544.70	N 32 42 41.427	W 103 9 51.873
	4793.00	87.65	181.34	4030.60	1378.30	-1378.51	-6.02	2.61	624508.60	859544.05	N 32 42 41.120	W 103 9 51.885

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	DLS (deg/100 ft)	Northing (ftUS)	Easting (ftUS)	Latitude	Longitude
	4825.00	87.82	181.36	4031.87	1410.28	-1410.47	-6.78	0.53	624476.63	859543.29	N 32 42 40.804	W 103 9 51.898
	4856.00	87.39	181.09	4033.16	1441.25	-1441.44	-7.44	1.64	624445.67	859542.63	N 32 42 40.498	W 103 9 51.910
	4887.00	86.65	180.88	4034.78	1472.21	-1472.39	-7.97	2.48	624414.71	859542.10	N 32 42 40.192	W 103 9 51.920
	4919.00	86.88	180.79	4036.58	1504.16	-1504.34	-8.44	0.77	624382.76	859541.63	N 32 42 39.876	W 103 9 51.930
	4950.00	88.60	180.71	4037.80	1535.13	-1535.31	-8.84	5.55	624351.79	859541.23	N 32 42 39.569	W 103 9 51.938
	5032.00	91.10	180.18	4038.02	1617.11	-1617.30	-9.48	3.12	624269.79	859540.59	N 32 42 38.758	W 103 9 51.956
	5065.00	91.41	180.32	4037.30	1650.10	-1650.29	-9.62	1.03	624236.80	859540.45	N 32 42 38.432	W 103 9 51.962
	5097.00	91.31	181.05	4036.54	1682.09	-1682.28	-10.01	2.30	624204.81	859540.07	N 32 42 38.115	W 103 9 51.971
	5130.00	90.76	180.78	4035.94	1715.08	-1715.27	-10.53	1.86	624171.82	859539.54	N 32 42 37.789	W 103 9 51.981
	5162.00	90.45	182.32	4035.60	1747.08	-1747.26	-11.40	4.91	624139.83	859538.67	N 32 42 37.473	W 103 9 51.996
	5194.00	90.10	181.35	4035.45	1779.08	-1779.24	-12.42	3.22	624107.85	859537.65	N 32 42 37.156	W 103 9 52.012
	5226.00	90.00	181.34	4035.42	1811.08	-1811.23	-13.17	0.31	624075.85	859536.90	N 32 42 36.840	W 103 9 52.025
	5258.00	90.00	182.76	4035.42	1843.07	-1843.21	-14.32	4.44	624043.87	859535.75	N 32 42 36.523	W 103 9 52.042
	5290.00	90.34	184.42	4035.33	1875.05	-1875.15	-16.32	5.30	624011.94	859533.75	N 32 42 36.208	W 103 9 52.070
	5321.00	90.00	184.93	4035.23	1905.99	-1906.04	-18.85	1.98	623981.04	859531.22	N 32 42 35.902	W 103 9 52.103
	5353.00	89.35	184.67	4035.42	1937.93	-1937.93	-21.53	2.19	623949.15	859528.54	N 32 42 35.587	W 103 9 52.139
	5386.00	89.79	185.08	4035.66	1970.86	-1970.81	-24.33	1.82	623916.27	859525.74	N 32 42 35.262	W 103 9 52.176
	5419.00	89.24	184.89	4035.94	2003.79	-2003.68	-27.20	1.76	623883.39	859522.87	N 32 42 34.937	W 103 9 52.214
	5451.00	89.59	184.18	4036.27	2035.74	-2035.58	-29.73	2.47	623851.49	859520.34	N 32 42 34.622	W 103 9 52.247
	5483.00	89.86	183.06	4036.42	2067.71	-2067.52	-31.75	3.60	623819.55	859518.32	N 32 42 34.306	W 103 9 52.275
	5514.00	89.10	182.48	4036.70	2098.70	-2098.48	-33.25	3.08	623788.59	859516.82	N 32 42 34.000	W 103 9 52.297
	5546.00	90.00	181.66	4036.96	2130.70	-2130.46	-34.40	3.80	623756.61	859515.67	N 32 42 33.684	W 103 9 52.314
	5578.00	91.03	181.33	4036.67	2162.69	-2162.44	-35.24	3.38	623724.62	859514.83	N 32 42 33.367	W 103 9 52.328
	5610.00	91.20	181.96	4036.05	2194.69	-2194.42	-36.16	2.04	623692.64	859513.91	N 32 42 33.051	W 103 9 52.343
	5641.00	90.28	182.55	4035.65	2225.68	-2225.40	-37.38	3.53	623661.67	859512.69	N 32 42 32.745	W 103 9 52.361
	5673.00	90.69	182.30	4035.37	2257.67	-2257.37	-38.73	1.50	623629.69	859511.34	N 32 42 32.428	W 103 9 52.381
	5705.00	90.14	182.97	4035.14	2289.66	-2289.33	-40.20	2.71	623597.73	859509.87	N 32 42 32.112	W 103 9 52.403
	5736.00	90.00	183.72	4035.11	2320.64	-2320.28	-42.01	2.46	623566.78	859508.06	N 32 42 31.806	W 103 9 52.428
	5768.00	89.90	184.03	4035.13	2352.61	-2352.21	-44.17	1.02	623534.85	859505.90	N 32 42 31.491	W 103 9 52.457
	5800.00	90.03	183.26	4035.15	2384.58	-2384.14	-46.21	2.44	623502.91	859503.86	N 32 42 31.175	W 103 9 52.485
	5832.00	89.69	181.91	4035.23	2416.57	-2416.11	-47.65	4.35	623470.94	859502.42	N 32 42 30.859	W 103 9 52.506
	5865.00	89.93	182.49	4035.34	2449.57	-2449.08	-48.92	1.90	623437.97	859501.15	N 32 42 30.533	W 103 9 52.525
	5896.00	90.24	182.79	4035.29	2480.56	-2480.05	-50.34	1.39	623407.00	859499.73	N 32 42 30.226	W 103 9 52.546
	5928.00	90.28	181.28	4035.15	2512.55	-2512.03	-51.48	4.72	623375.02	859498.59	N 32 42 29.910	W 103 9 52.563
	5960.00	90.38	182.23	4034.96	2544.55	-2544.01	-52.46	2.99	623343.03	859497.61	N 32 42 29.594	W 103 9 52.579
	5992.00	89.93	181.51	4034.88	2576.55	-2575.99	-53.50	2.65	623311.05	859496.56	N 32 42 29.277	W 103 9 52.595
	6023.00	90.00	181.40	4034.90	2607.55	-2606.98	-54.29	0.42	623280.06	859495.78	N 32 42 28.971	W 103 9 52.608
	6056.00	90.79	181.20	4034.67	2640.55	-2639.98	-55.04	2.47	623247.06	859495.03	N 32 42 28.645	W 103 9 52.621
	6087.00	90.48	180.82	4034.33	2671.54	-2670.97	-55.59	1.58	623216.07	859494.48	N 32 42 28.338	W 103 9 52.632
	6119.00	90.52	181.59	4034.05	2703.54	-2702.96	-56.26	2.41	623184.08	859493.81	N 32 42 28.022	W 103 9 52.644
	6151.00	90.52	181.37	4033.76	2735.54	-2734.95	-57.09	0.69	623152.09	859492.98	N 32 42 27.705	W 103 9 52.658
	6182.00	90.48	181.36	4033.49	2766.54	-2765.94	-57.82	0.13	623121.09	859492.24	N 32 42 27.399	W 103 9 52.670
	6214.00	90.89	181.18	4033.10	2798.54	-2797.93	-58.53	1.40	623089.10	859491.54	N 32 42 27.082	W 103 9 52.683
	6246.00	91.17	181.93	4032.53	2830.53	-2829.91	-59.40	2.50	623057.12	859490.67	N 32 42 26.766	W 103 9 52.697
	6278.00	90.83	181.54	4031.97	2862.53	-2861.89	-60.37	1.62	623025.14	859489.70	N 32 42 26.450	W 103 9 52.712
	6310.00	91.38	181.41	4031.35	2894.52	-2893.87	-61.19	1.77	622993.15	859488.87	N 32 42 26.133	W 103 9 52.726
	6342.00	92.55	180.90	4030.26	2926.50	-2925.85	-61.84	3.99	622961.18	859488.23	N 32 42 25.817	W 103 9 52.738
ast Survey	6374.00	92.37	180.85	4028.88	2958.47	-2957.81	-62.33	0.58	622929.21	859487.74	N 32 42 25.501	W 103 9 52.748
rojected TD	6449.00	93.00	180.85	4025.37	3033.38	-3032.72	-63.44	0.84	622854.29	859486.63	N 32 42 24.760	W 103 9 52.770

Survey Type: Definitive Survey

Survey Error Model: **SLB ISCWSA 3-D 95.00% Confidence 2.7955 sigma**

Surveying Prog:

MD From (ft)	MD To (ft)	EOU Freq	Survey Tool Type
0.00	2450.00	Act-Stns	SLB_NSG+MSHOT
2450.00	6374.00	Act-Stns	SLB_MWD-STD
6374.00	6449.00	Act-Stns	SLB_BLIND