

M U L T I S H O T D I R E C T I O N A L S U R V E Y

STATES PETROLEUM

WELL: #1, 3 1/2 INCH DRILLPIPE

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Location: NORTON RIG #16, EDDY COUNTY NEW MEXICO, CONCHO ACT

Job Number: M0699GMW795

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL DEPTH feet	H O R I Z O N T A L C O O R D I N A T E S feet		DOGLEG SEVERITY deg. / 100 ft.
0.0	0.00	0.00	0.0	0.00 N	0.00 E	0.00

9100 FEET RATE-GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 3 1/2 INCH DRILLPIPE.  
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO NORTON DRILLING RIG #16.

100.0	.19	220.97	100.0	.12 S	.11 W	.19
200.0	.18	128.48	200.0	.34 S	.09 W	.26
300.0	.23	221.04	300.0	.59 S	.10 W	.30
400.0	.41	191.06	400.0	1.09 S	.29 W	.24
500.0	.60	99.08	500.0	1.52 S	.15 E	.73
600.0	.82	148.43	600.0	2.21 S	1.04 E	.63
700.0	.85	135.55	700.0	3.36 S	1.94 E	.19
800.0	1.09	142.08	800.0	4.64 S	3.05 E	.26
900.0	1.40	137.52	899.9	6.30 S	4.46 E	.33
1000.0	1.56	150.29	999.9	8.38 S	5.96 E	.36
1100.0	1.36	202.08	1099.9	10.66 S	6.19 E	1.29
1200.0	1.23	204.25	1199.9	12.74 S	5.30 E	.14
1300.0	1.01	230.29	1299.8	14.29 S	4.18 E	.55
1400.0	.98	239.34	1399.8	15.29 S	2.76 E	.16
1500.0	.96	175.95	1499.8	16.57 S	2.09 E	1.02
1600.0	.90	197.34	1599.8	18.15 S	1.91 E	.35
1700.0	.96	165.75	1699.8	19.71 S	1.88 E	.51
1800.0	.94	225.57	1799.8	21.10 S	1.31 E	.95
1900.0	1.07	233.33	1899.8	22.23 S	.17 E	.19
2000.0	1.15	188.87	1999.7	23.78 S	.73 W	.84
2100.0	1.21	163.21	2099.7	25.78 S	.58 W	.53
2200.0	1.22	188.07	2199.7	27.85 S	.42 W	.52
2300.0	1.22	219.36	2299.7	29.73 S	1.25 W	.66
2400.0	1.27	240.07	2399.7	31.11 S	2.89 W	.45
2500.0	1.16	276.10	2499.6	31.55 S	4.86 W	.76
2600.0	1.15	175.27	2599.6	32.44 S	5.78 W	1.78
2700.0	1.12	204.04	2699.6	34.33 S	6.10 W	.56
2800.0	1.07	262.36	2799.6	35.34 S	7.42 W	1.07
2900.0	1.15	180.32	2899.6	36.47 S	8.35 W	1.46
3000.0	1.22	246.71	2999.6	37.90 S	9.33 W	1.30
3100.0	1.14	289.89	3099.5	37.98 S	11.25 W	.87
3200.0	1.10	192.25	3199.5	38.59 S	12.39 W	1.69
3300.0	1.18	245.65	3299.5	39.95 S	13.54 W	1.03
3400.0	1.07	291.10	3399.5	40.04 S	15.34 W	.87
3500.0	1.10	202.95	3499.5	40.59 S	16.58 W	1.51
3600.0	1.13	246.15	3599.5	41.88 S	17.86 W	.82
3700.0	1.21	306.50	3699.4	41.65 S	19.61 W	1.18