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STRATA PRODUCTION COMPANY

CHAPARRAL STATE WELL 1

EDDY COUNTY, NEW MEXICO

Directional Plan submitted by :- EASTMAN CHRISTENSEN, WEST TEXAS BASE

Reference File Name :- [300,050]P00193.5SZ

Slot name :- 1

Date :- 27-DEC-89

Well name :- CHAPARRAL ST 1

Revision no :- 6

Requested by :- STRATA

Prepared by :- T.STEPHENS

Accepted by :-

Checked by :-



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*
* Surface Information *
* ***** *
*
* Magnetic north is 10.00 degrees EAST of true north. *
*
* Slot co-ordinates :- 0.00N 0.00E *
*

*
* Calculation Premises *
* ***** *
*
* All depths are in feet and are RKB. *
* All distances are in feet. *
*
* Origin point of local coordinates is slot. *
*
* Vertical section is calculated on the Plane of *
* S 0 0E (180.00 deg) and is referenced from *
* platform centre. *
*



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Well Profile Synopsis
=====

	Measured Depth =====	True Vert Depth =====	Inclin. Degrees =====	Azimuth Degrees =====	Bearings Degrees =====	Rectangular Coordinates =====	Vertical Section =====
	5300.00	5297.52	2.50	286.00	N74.00W	94.38N 1.31E	-94.38
Tie on Point	5300.00	5297.52	2.50	286.00	N74.00W	94.38N 1.31E	-94.38
KICK OFF POINT							

BUILD & TURN -							
DLS = 1.50DEG / 100FT.							

	5840.38	5836.53	6.98	178.07	S 1.93E	64.76N 8.93W	-64.76

HOLD							

TARGET	8020.00	8000.00	6.98	178.07	S 1.93E	200.00S 0.00E	200.00



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Well Profile
=====

	Measured Depth =====	True Vert Depth =====	Inclin. Degrees =====	Azimuth Degrees =====	Bearings Degrees =====	Rectangular Coordinates =====	Vertical Section =====
	0.00	0.00	0.00	0.00	N 0.00E	0.00N 0.00E	0.00
	100.00	100.00	0.25	98.00	S82.00E	0.03S 0.22E	0.03
	200.00	200.00	0.50	68.00	N68.00E	0.05N 0.86E	-0.05
	300.00	299.99	0.75	4.00	N 4.00E	0.89N 1.47E	-0.89
	400.00	399.98	0.75	27.00	N27.00E	2.14N 1.82E	-2.14
	500.00	499.97	0.75	27.00	N27.00E	3.31N 2.41E	-3.31
	600.00	599.96	1.00	43.00	N43.00E	4.55N 3.28E	-4.55
	700.00	699.93	1.75	59.00	N59.00E	6.06N 5.14E	-6.06
	800.00	799.82	3.50	60.00	N60.00E	8.38N 9.09E	-8.38
	900.00	899.70	2.25	48.00	N48.00E	11.33N 13.14E	-11.33
	1000.00	999.63	2.00	44.00	N44.00E	13.90N 15.80E	-13.90
	1100.00	1099.59	1.25	44.00	N44.00E	15.94N 17.77E	-15.94
	1200.00	1199.57	0.75	36.00	N36.00E	17.28N 18.89E	-17.28
	1300.00	1299.57	0.50	44.00	N44.00E	18.11N 19.60E	-18.11
	1400.00	1399.56	0.75	34.00	N34.00E	18.96N 20.28E	-18.96
	1500.00	1499.55	1.00	47.00	N47.00E	20.12N 21.27E	-20.12
	1600.00	1599.53	1.25	57.00	N57.00E	21.33N 22.82E	-21.33
	1700.00	1699.50	1.25	68.00	N68.00E	22.33N 24.75E	-22.33
	1800.00	1799.48	1.50	49.00	N49.00E	23.58N 26.79E	-23.58
	1900.00	1899.44	1.50	40.00	N40.00E	25.44N 28.62E	-25.44
	2000.00	1999.39	2.00	60.00	N60.00E	27.40N 30.95E	-27.40
	2100.00	2099.33	2.25	57.00	N57.00E	29.33N 34.11E	-29.33
	2200.00	2199.26	2.00	49.00	N49.00E	31.56N 37.07E	-31.56
	2300.00	2299.19	2.25	44.00	N44.00E	34.11N 39.75E	-34.11
	2400.00	2399.12	2.00	41.00	N41.00E	36.85N 42.26E	-36.85
	2500.00	2499.07	1.75	37.00	N37.00E	39.39N 44.32E	-39.39
	2600.00	2599.02	1.75	27.00	N27.00E	41.98N 45.93E	-41.98
	2700.00	2698.98	1.50	18.00	N18.00E	44.59N 47.02E	-44.59
	2800.00	2798.94	1.75	24.00	N24.00E	47.24N 48.03E	-47.24
	2900.00	2898.90	1.50	6.00	N 6.00E	49.27N 48.76E	-49.27



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Well Profile (continued)
=====

	Measured Depth =====	True Vert Depth =====	Inclin. Degrees =====	Azimuth Degrees =====	Bearings Degrees =====	Rectangular Coordinates =====	Vertical Section =====
	3000.00	2998.87	1.25	2.00	N 2.00E	52.36N 48.93E	-52.36
	3100.00	3098.85	1.00	10.00	N10.00E	54.31N 49.14E	-54.31
	3200.00	3198.83	1.25	5.00	N 5.00E	56.26N 49.39E	-56.26
	3300.00	3298.81	1.00	14.00	N14.00E	58.19N 49.72E	-58.19
	3400.00	3398.79	1.50	18.00	N18.00E	60.29N 50.32E	-60.29
	3500.00	3498.75	1.50	355.00	N 5.00W	62.87N 50.61E	-62.87
	3600.00	3598.72	1.50	356.00	N 4.00W	65.48N 50.41E	-65.48
	3700.00	3698.68	1.75	346.00	N14.00W	68.28N 49.96E	-68.28
	3800.00	3798.63	1.75	339.00	N21.00W	71.19N 49.05E	-71.19
	3900.00	3898.59	1.50	336.00	N24.00W	73.81N 47.96E	-73.81
	4000.00	3998.56	1.50	324.00	N36.00W	76.08N 46.65E	-76.08
	4100.00	4098.52	1.50	325.00	N35.00W	78.21N 45.13E	-78.21
	4200.00	4198.48	1.75	320.00	N40.00W	80.46N 43.41E	-80.46
	4300.00	4298.44	1.50	308.00	N52.00W	82.42N 41.37E	-82.42
	4400.00	4398.40	1.75	304.00	N56.00W	84.09N 39.08E	-84.09
	4500.00	4498.35	2.00	294.00	N66.00W	85.67N 36.22E	-85.67
	4600.00	4598.28	2.25	296.00	N64.00W	87.24N 32.86E	-87.24
	4700.00	4698.19	2.50	289.00	N71.00W	88.82N 29.03E	-88.82
	4800.00	4798.10	2.50	284.00	N76.00W	90.06N 24.85E	-90.06
	4900.00	4897.98	3.00	276.00	N84.00W	90.90N 20.13E	-90.90
	5000.00	4997.85	3.00	278.00	N82.00W	91.53N 14.94E	-91.53
	5100.00	5097.72	2.75	277.00	N83.00W	92.19N 9.96E	-92.19
	5200.00	5197.61	2.50	287.00	N73.00W	93.14N 5.49E	-93.14
TIE POSITION	5300.00	5297.52	2.50	286.00	N74.00W	94.38N 1.31E	-94.38
KICK OFF POINT	5400.00	5397.47	2.05	249.14	S69.14W	94.34N 2.46W	-94.34
	5500.00	5497.37	2.58	213.63	S33.63W	91.83N 5.38W	-91.83
	5600.00	5597.22	3.69	194.78	S14.78W	86.84N 7.45W	-86.84
	5700.00	5696.93	5.01	185.19	S 5.19W	79.38N 8.66W	-79.38
	5800.00	5796.43	6.40	179.67	S 0.33E	69.46N 9.03W	-69.46
	5840.38	5836.53	6.98	178.07	S 1.93E	64.76N 8.93W	-64.76



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Well Profile (continued)
=====

	Measured Depth =====	True Vert Depth =====	Inclin. Degrees =====	Azimuth Degrees =====	Bearings Degrees =====	Rectangular Coordinates =====	Vertical Section =====
	5900.00	5895.72	6.98	178.07	S 1.93E	57.51N 8.69W	-57.51
	6000.00	5994.98	6.98	178.07	S 1.93E	45.37N 8.28W	-45.37
	6100.00	6094.23	6.98	178.07	S 1.93E	33.22N 7.87W	-33.22
	6200.00	6193.49	6.98	178.07	S 1.93E	21.07N 7.46W	-21.07
	6300.00	6292.75	6.98	178.07	S 1.93E	8.93N 7.05W	-8.93
	6400.00	6392.01	6.98	178.07	S 1.93E	3.22S 6.64W	3.22
	6500.00	6491.27	6.98	178.07	S 1.93E	15.37S 6.23W	15.37
	6600.00	6590.53	6.98	178.07	S 1.93E	27.52S 5.82W	27.52
	6700.00	6689.79	6.98	178.07	S 1.93E	39.66S 5.41W	39.66
	6800.00	6789.04	6.98	178.07	S 1.93E	51.81S 5.00W	51.81
	6900.00	6888.30	6.98	178.07	S 1.93E	63.96S 4.59W	63.96
	7000.00	6987.56	6.98	178.07	S 1.93E	76.11S 4.18W	76.11
	7100.00	7086.82	6.98	178.07	S 1.93E	88.25S 3.77W	88.25
	7200.00	7186.08	6.98	178.07	S 1.93E	100.40S 3.36W	100.40
	7300.00	7285.34	6.98	178.07	S 1.93E	112.55S 2.95W	112.55
	7400.00	7384.60	6.98	178.07	S 1.93E	124.69S 2.54W	124.69
	7500.00	7483.85	6.98	178.07	S 1.93E	136.84S 2.13W	136.84
	7600.00	7583.11	6.98	178.07	S 1.93E	148.99S 1.72W	148.99
	7700.00	7682.37	6.98	178.07	S 1.93E	161.14S 1.31W	161.14
	7800.00	7781.63	6.98	178.07	S 1.93E	173.28S 0.90W	173.28
	7900.00	7880.89	6.98	178.07	S 1.93E	185.43S 0.49W	185.43
	8000.00	7980.15	6.98	178.07	S 1.93E	197.58S 0.08W	197.58
TARGET NO.1	8020.00	8000.00	6.98	178.07	S 1.93E	200.00S 0.00E	200.00

