



Weatherford

Completion & Oilfield Services

April 21, 1999

Ms. Donna Pitzer
P. O. Box 1980
Hobbs, N.M. 87241

Affidavit

I, Henry Fondren, Field Supervisor certify that the attached Survey Calculation reports are copies of original Surveys made by Al Skinner an employee of Weatherford formerly Precision Radius, Inc.

For: PEDCO
Well Name: T.P.State A#1
Well No.: 30-025-20739 21-15-10-26
County: Lea
State: N.M.

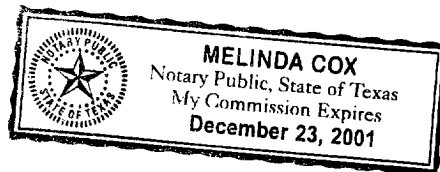
Before me personally appeared Henry Fondren on April 21, 1999.

Henry Fondren 4-21-1999
Henry Fondren April 21, 1999

SUBSCRIBED AND SWORN TO before me this the 21st day of April, 1999.

Melinda Cox 4-21-99
Melinda Cox April 21, 1999

Notary Public, State of Texas
My commission expires December 23, 2001



Radius Re-entry Drilling Services



Radius, Inc.

Survey Calculation

Page 1

Customer: PEDCO
Well Name: T.P. STATE A#1
Well No.: 30-025-20739
County: LEA
State: N.M.

Survey Type: Minimum Radius of Curvature
Survey Operator: SKINNER
Starting Date: 10-16-98
Proposed Direction: 284.0
Declination Used: 9.0

Station	MD	Inc	Dir	TVD	VS	N-S	E-W	Dogleg	TF Offset	Probe	Temp
T 0	5400.0	1.0	316.0	5399.7	31.0	30.0N	24.5W	0.0	0.00	0	0.0
1	5514.0	1.2	307.3	5513.7	33.0	31.4N	26.2W	0.2	339.82	2389	105.8
2	5536.0	4.1	274.4	5535.7	34.0	31.6N	27.1W	14.4	339.82	2389	105.4
3	5568.0	10.4	268.3	5567.4	37.9	31.6N	31.2W	19.8	339.82	2389	106.4
4	5601.0	15.8	270.5	5599.5	45.1	31.6N	38.6W	16.4	339.82	2389	106.7
5	5632.0	14.5	263.5	5629.5	52.9	31.2N	46.7W	7.2	339.82	2389	106.7
6	5663.0	13.6	254.6	5659.5	59.7	29.8N	54.1W	7.5	339.82	2389	107.1
7	5695.0	12.5	247.7	5690.7	65.7	27.5N	60.9W	6.0	339.82	2389	107.6
8	5726.0	10.7	255.6	5721.1	71.0	25.5N	66.8W	7.7	339.82	2389	107.6
9	5758.0	10.6	267.9	5752.5	76.4	24.6N	72.6W	7.1	339.82	2389	106.7
10	5789.0	10.9	272.1	5783.0	82.0	24.6N	78.4W	2.7	339.82	2389	108.0
11	5820.0	11.2	275.0	5813.4	87.9	25.0N	84.3W	2.0	339.82	2389	105.8
12	5851.0	11.1	276.8	5843.8	93.8	25.6N	90.3W	1.2	339.82	2389	105.4
13	5885.0	10.8	278.6	5877.2	100.2	26.5N	96.7W	1.3	339.82	2389	108.8
14	5916.0	11.3	283.4	5907.6	106.1	27.6N	102.5W	3.4	339.82	2389	108.9
15	5947.0	11.2	283.6	5938.1	112.2	29.0N	108.4W	0.4	339.82	2389	108.6
16	5978.0	10.5	281.4	5968.5	118.0	30.3N	114.1W	2.6	339.82	2389	106.7
17	6009.0	10.4	279.6	5999.0	123.6	31.3N	119.6W	1.1	339.82	2389	107.6
18	6039.0	10.6	281.7	6028.5	129.1	32.3N	125.0W	1.4	339.82	2389	112.0
19	6071.0	10.8	285.1	6059.9	135.0	33.7N	130.8W	2.1	339.82	2389	113.4
20	6102.0	11.1	284.5	6090.4	140.9	35.2N	136.5W	1.0	339.82	2389	111.1
21	6133.0	10.9	286.1	6120.8	146.8	36.8N	142.2W	1.2	339.82	2389	110.7
22	6164.0	11.0	283.5	6151.2	152.7	38.3N	147.9W	1.6	339.82	2389	113.0
23	6226.0	11.0	283.7	6212.1	164.5	41.0N	159.4W	0.1	339.82	2389	113.7
24	6287.0	10.6	288.2	6272.0	176.0	44.2N	170.3W	1.5	339.82	2389	116.4
25	6349.0	11.4	291.2	6332.9	187.7	48.2N	181.5W	1.6	339.82	2389	120.4
26	6380.0	11.4	291.6	6363.3	193.8	50.4N	187.2W	0.3	339.82	2389	116.8
27	6411.0	11.2	288.2	6393.7	199.8	52.5N	192.9W	2.2	339.82	2389	117.7
28	6441.0	11.1	289.3	6423.1	205.6	54.3N	198.4W	0.8	339.82	2389	117.7
29	6473.0	11.4	290.1	6454.5	211.8	56.4N	204.3W	1.1	339.82	2389	119.6
30	6504.0	11.5	289.1	6484.9	218.0	58.5N	210.0W	0.7	339.82	2389	117.7
31	6535.0	12.2	286.5	6515.2	224.3	60.5N	216.1W	2.8	339.82	2389	118.3
32	6566.0	12.2	280.7	6545.5	230.9	62.0N	222.5W	4.0	339.82	2389	121.8
33	6659.0	12.7	278.1	6636.3	250.8	65.3N	242.2W	0.8	339.82	2389	120.8
34	6752.0	11.4	283.4	6727.3	270.2	68.8N	261.3W	1.8	339.82	2389	123.4
35	6846.0	10.9	281.6	6819.5	288.4	72.8N	279.1W	0.7	339.82	2389	122.5
36	6939.0	10.7	288.0	6910.8	305.8	77.2N	295.9W	1.3	143.70	2389	121.2
37	7031.0	10.3	285.8	7001.3	322.5	82.1N	311.9W	0.6	143.70	2389	121.2
38	7123.0	11.2	281.3	7091.7	339.7	86.1N	328.6W	1.3	143.70	2389	122.5
39	7217.0	10.4	280.6	7184.0	357.2	89.4N	345.9W	0.9	143.70	2389	125.6
40	7310.0	11.8	284.3	7275.3	375.1	93.3N	363.3W	1.7	143.70	2389	129.1
41	7405.0	11.6	281.7	7368.3	394.4	97.7N	382.1W	0.6	143.70	2389	133.5
42	7498.0	11.0	283.9	7459.5	412.6	101.7N	399.9W	0.8	143.70	2389	133.1
43	7592.0	12.3	282.0	7551.6	431.6	105.9N	418.4W	1.4	143.70	2389	135.3
44	7685.0	12.3	282.2	7642.4	451.4	110.1N	437.8W	0.1	143.70	2389	134.4
45	7777.0	12.3	281.5	7732.3	471.0	114.1N	456.9W	0.2	143.70	2389	129.1
46	7870.0	12.4	282.8	7823.2	490.8	118.3N	476.4W	0.3	143.70	2389	126.0
47	7964.0	11.2	283.6	7915.2	510.1	122.7N	495.1W	1.3	143.70	2389	126.5
48	8025.0	11.0	286.2	7975.0	521.8	125.7N	506.4W	0.9	143.70	2389	129.7
49	8144.0	10.2	289.0	8092.0	543.6	132.3N	527.3W	0.8	309.88	2389	131.3



Radius, Inc.

Survey Calculation

Page 2

Customer: PEDCO
Well Name: T.P. STATE A#1
Well No.: 30-025-20739
County: LEA
State: N.M.

Survey Type: Minimum Radius of Curvature
Survey Operator: SKINNER
Starting Date: 10-16-98
Proposed Direction: 284.0
Declination Used: 9.0

Station	MD	Inc	Dir	TVD	VS	N-S	E-W	Dogleg	TF Offset	Probe	Temp
50	8330.0	7.9	292.8	8275.7	572.7	142.6N	554.7W	1.3	309.88	2389	140.5
51	8516.0	6.5	293.0	8460.2	595.7	151.7N	576.1W	0.8	309.88	2389	127.8
52	8701.0	4.4	302.4	8644.4	612.8	159.6N	591.8W	1.2	309.88	2389	127.9
53	8884.0	3.1	316.4	8827.0	623.6	166.9N	601.1W	0.9	309.88	2389	128.7
54	9068.0	2.1	317.4	9010.8	630.7	173.0N	606.8W	0.5	309.88	2389	132.6
55	9173.0	3.3	293.6	9115.7	635.2	175.6N	610.9W	1.5	309.88	2389	137.0
56	9204.0	4.3	290.1	9146.6	637.3	176.4N	612.8W	3.3	309.88	2389	136.3
57	9235.0	4.5	287.4	9177.5	639.6	177.1N	615.1W	0.9	309.88	2389	138.8
58	9265.0	4.5	290.2	9207.4	642.0	177.9N	617.3W	0.7	309.88	2389	138.8
59	9295.0	5.8	282.0	9237.3	644.7	178.6N	619.9W	5.0	309.88	2389	139.7
60	9326.0	5.9	280.8	9268.1	647.8	179.2N	623.0W	0.5	309.88	2389	140.5
61	9358.0	6.2	281.3	9300.0	651.2	179.9N	626.3W	1.0	309.88	2389	140.5
62	9389.0	5.9	284.2	9330.8	654.5	180.6N	629.5W	1.4	309.88	2389	141.0
63	9416.0	6.3	282.1	9357.6	657.3	181.3N	632.3W	1.7	319.58	2389	131.3
64	9446.0	6.8	282.7	9387.4	660.8	182.0N	635.6W	1.7	319.58	2389	132.2
65	9477.0	7.6	280.0	9418.2	664.6	182.7N	639.4W	2.8	319.58	2389	134.4
66	9537.0	9.1	283.2	9477.6	673.3	184.5N	647.9W	2.6	319.58	2389	137.0
67	9598.0	9.7	280.2	9537.7	683.3	186.5N	657.7W	1.3	319.58	2389	137.6
68	9629.0	9.7	283.4	9568.3	688.5	187.6N	662.8W	1.7	319.58	2389	138.0
69	9660.0	9.9	275.9	9598.8	693.8	188.5N	668.0W	4.2	0.00	0	0.0
70	9721.0	10.0	277.0	9658.9	704.2	189.7N	678.5W	0.4	319.58	2389	141.7
71	9814.0	8.9	274.1	9750.7	719.3	191.2N	693.7W	1.3	319.58	2389	141.0
72	10939.0	0.7	194.4	10871.1	805.2	190.7N	782.3W	0.8	313.82	2389	134.9
73	11126.0	1.0	191.7	11058.0	805.2	188.0N	783.0W	0.2	313.82	2389	164.7
74	11576.0	2.4	141.6	11507.8	797.6	176.8N	777.9W	0.4	313.82	2389	153.0
75	11763.0	2.5	161.4	11694.7	792.3	169.9N	774.2W	0.5	313.82	2389	152.0
76	11826.0	2.1	177.8	11757.6	791.2	167.4N	773.7W	1.2	313.82	2389	148.0
77	11858.0	2.0	177.1	11789.6	790.9	166.3N	773.6W	0.3	313.82	2389	150.2
78	11889.0	1.7	185.3	11820.6	790.7	165.3N	773.7W	1.3	313.82	2389	152.0
79	11920.0	1.6	193.7	11851.6	790.6	164.4N	773.8W	0.8	313.82	2389	151.5
80	11952.0	1.6	195.3	11883.6	790.6	163.5N	774.0W	0.1	313.82	2389	153.4
81	11984.0	1.3	212.8	11915.6	790.7	162.8N	774.3W	1.7	313.82	2389	153.7
82	12016.0	1.6	219.1	11947.5	791.0	162.1N	774.8W	1.1	313.82	2389	153.5
83	12047.0	1.6	221.2	11978.5	791.4	161.5N	775.4W	0.2	313.82	2389	155.0
84	12079.0	1.5	217.4	12010.5	791.8	160.8N	775.9W	0.5	313.82	2389	157.8
85	12111.0	1.6	221.8	12042.5	792.1	160.1N	776.5W	0.5	318.55	2389	158.6
86	12142.0	1.7	226.4	12073.5	792.6	159.5N	777.1W	0.5	318.55	2389	152.4
87	12174.0	1.9	224.1	12105.5	793.1	158.8N	777.8W	0.7	318.55	2389	154.6
88	12206.0	1.9	227.8	12137.5	793.7	158.0N	778.6W	0.4	318.55	2389	155.5
89	12238.0	2.0	210.2	12169.4	794.1	157.2N	779.2W	1.9	318.55	2389	156.4
90	12270.0	2.3	206.9	12201.4	794.4	156.2N	779.8W	1.0	318.55	2389	157.7
91	12289.0	2.5	208.9	12220.4	794.6	155.5N	780.2W	1.1	318.55	2389	150.2