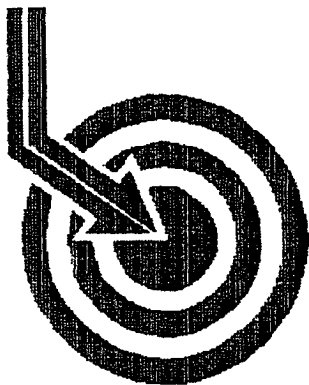




Scientific Drilling

PARALLEL PETROLEUM

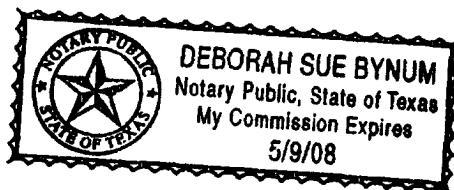
Field: Hope
Site: Eddy County, NM
Well: Match Box Fed #1
Wellpath: VH - Job #32K0406290
Survey: 04/11/06

This survey is correct to the best of my knowledge
and is supported by actual field data.

Deborah Sue Bynum.....Company Representative

Notorized this date 18th of April, 2006.

Deborah Sue Bynum
Notary Signature
County of Midland
State of Texas





Scientific Drilling International

Survey Report

Company: PARALLEL PETROLEUM
 Field: Hope
 Site: Eddy County, NM
 Well: Match Box Fed #1
 Wellpath: VH - Job #32K0406290

Date: 04/11/2008 Time: 14:58:25 Page: 1
 Co-ordinate(NE) Reference: Well: Match Box Fed #1, Grid North
 Vertical (TVD) Reference: SITE 0.0
 Section (VS) Reference: Well (0.00N,0.00E,233.67Azi)
 Survey Calculation Method: Minimum Curvature Db: Sybase

Survey: 04/11/08
 KSRG 0'-4490
 Company: Scientific Drilling Internatio
 Tool: Keeper;Keeper Gyro

Start Date: 04/11/2008
 Engineer: Gonzales w/Gray
 Tied-to: From Surface

Survey

MD ft	Incl deg	Azim deg	TVD ft	VS ft	N/S ft	E/W ft	DLS deg/100ft	ChD ft	ChA deg
0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	1.74	164.33	99.98	0.54	-1.46	0.41	1.74	1.52	164.33
200.00	1.81	149.34	199.94	1.23	-4.28	1.63	0.47	4.58	159.21
300.00	2.15	154.70	299.88	1.74	-7.34	3.23	0.39	8.02	156.22
400.00	1.97	158.18	399.81	2.53	-10.63	4.67	0.22	11.81	156.27
500.00	1.80	181.14	499.76	3.92	-13.79	5.28	0.77	14.77	159.05
600.00	1.31	189.95	599.72	5.70	-16.49	5.05	0.54	17.25	162.97
700.00	1.06	206.30	699.70	7.35	-18.45	4.44	0.42	18.97	166.45
800.00	0.98	224.05	799.69	9.01	-19.89	3.44	0.32	20.18	170.19
900.00	1.39	250.46	899.67	11.02	-20.91	1.70	0.67	20.98	175.35
1000.00	2.03	252.60	999.62	13.85	-21.84	-1.13	0.64	21.87	182.96
1100.00	2.09	251.17	1099.56	17.27	-22.96	-4.55	0.08	23.41	191.20
1200.00	1.91	262.07	1199.50	20.47	-23.78	-7.92	0.42	25.07	198.43
1300.00	1.73	261.83	1299.44	23.27	-24.23	-11.07	0.16	26.63	204.55
1400.00	1.46	260.66	1399.41	25.74	-24.65	-13.82	0.27	28.26	209.28
1500.00	1.39	258.93	1499.37	27.97	-25.09	-16.27	0.08	29.90	212.96
1600.00	1.11	257.50	1599.35	29.95	-25.53	-18.40	0.28	31.47	215.79
1700.00	1.00	255.21	1699.33	31.65	-25.96	-20.19	0.12	32.89	217.87
1800.00	1.09	254.29	1799.32	33.35	-26.44	-21.95	0.09	34.37	219.70
1900.00	1.02	255.09	1899.30	35.07	-26.93	-23.73	0.07	35.89	221.38
2000.00	1.05	253.48	1999.28	36.76	-27.42	-25.47	0.04	37.42	222.89
2100.00	1.16	249.83	2099.27	38.59	-28.03	-27.29	0.13	39.12	224.24
2200.00	0.84	245.50	2199.25	40.28	-28.68	-28.91	0.33	40.72	225.23
2300.00	1.24	229.48	2299.23	42.08	-29.69	-30.40	0.49	42.49	225.68
2400.00	0.56	249.40	2399.22	43.63	-30.56	-31.68	0.74	44.02	226.03
2500.00	0.34	238.16	2499.22	44.40	-30.89	-32.39	0.24	44.76	226.36
2600.00	0.37	246.15	2599.22	45.01	-31.18	-32.94	0.06	45.35	226.57
2700.00	0.44	241.04	2699.21	45.70	-31.49	-33.57	0.08	46.03	226.83
2800.00	0.57	240.47	2799.21	46.58	-31.93	-34.34	0.13	46.89	227.08
2900.00	0.38	247.63	2899.21	47.39	-32.30	-35.08	0.20	47.68	227.36
3000.00	0.49	240.46	2999.20	48.14	-32.63	-35.76	0.12	48.41	227.61
3100.00	0.44	256.70	3099.20	48.92	-32.93	-36.50	0.14	49.16	227.94
3200.00	0.41	248.78	3199.20	49.62	-33.15	-37.21	0.07	49.83	228.30
3300.00	0.21	238.00	3299.20	50.14	-33.38	-37.70	0.21	50.35	228.48
3400.00	0.11	219.24	3399.20	50.42	-33.55	-37.91	0.11	50.63	228.49
3500.00	0.18	223.51	3499.19	50.67	-33.74	-38.08	0.07	50.88	228.46
3600.00	0.20	315.45	3599.19	50.85	-33.73	-38.31	0.27	51.04	228.64
3700.00	0.16	311.44	3699.19	50.90	-33.51	-38.54	0.04	51.07	228.99
3800.00	0.46	33.34	3799.19	50.55	-33.08	-38.42	0.47	50.70	229.27
3900.00	0.72	37.08	3899.19	49.58	-32.25	-37.82	0.26	49.70	229.55
4000.00	0.47	32.77	3999.18	48.59	-31.40	-37.22	0.25	48.70	229.85
4100.00	0.72	35.74	4099.18	47.61	-30.54	-36.63	0.25	47.70	230.16
4200.00	0.85	31.14	4199.17	46.33	-29.40	-35.88	0.14	46.39	230.67
4300.00	0.62	26.56	4299.16	45.16	-28.28	-35.26	0.24	45.20	231.27
4400.00	1.04	359.83	4399.15	44.14	-26.89	-35.02	0.56	44.15	232.48
4490.00	0.61	21.60	4489.14	43.25	-25.63	-34.85	0.58	43.25	233.67



Scientific
Drilling

Field: Hope
Site: Eddy County, NM
Well: Match Box Fed #1
Wellpath: VH - Job #32K0406290
Survey: 04/11/06



Azimuths to Grid North
True North: 0.22°
Magnetic North: 0.22°

Magnetic Field
Strength: 0nT
Dip Angle: 0.00°
Date: 04/11/2006
Model: igrf2000

West(-)/East(+) [10ft/in]

South(-)/North(+) [10ft/in]

