



Gyrodata Incorporated

301 Thelma Dr. #433
Casper, Wyoming 82609

307/234-7241
Fax: 307/234-6309

SURVEY REPORT

ExxonMobil

PCU #297-12A1

H & P #326

Rio Blanco County, Colorado

RM1009GMS510

API No. 05-103-11157-00

November 9, 2009

gyro/data

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301 Thelma Dr. #433
Casper, Wyoming 82609

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ExxonMobil
Attn: USP Data Room
CORP-WGR-516
222 Benmar
Houston, TX 77060

Re: **PCU #297-12A1**
Rio Blanco County, Colorado

Enclosed, please find four (4) original and one (1) disk of the completed survey for the above referenced well.

We would like to take this opportunity to thank you for using Gyrodata, and we look forward to serving you in the future.

Sincerely,



Joel Sulzen
Operations Manager

JS:mg

A Gyrodata Directional Survey

for

EXXON MOBIL

Lease: PCU Well: 297-12A1, 4-1/2" Casing

Location: H & P #326, Rio Blanco County, Colorado

API No. 05-103-11157-00

Job Number: RM1009GMS510

Run Date: 29 Oct 2009

Surveyor: Joseph Turner

Calculation Method: MINIMUM CURVATURE

Survey surface coordinates obtained from: Directional Drilling Company
Survey Latitude: 39.889071 deg. N Longitude: 108.237241 deg. W

Azimuth Correction:

Gyro: Bearings are Relative to True North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

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Location: H & P #326, Rio Blanco County, Colorado

Job Number: RM1009GMS510

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg/ 200.0 ft	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet	
0.00	0.00	0.00	N 0 0 E	0.00	0.00	0.0	0.0	0.00 N 0.00 E	

0 - 13000 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" CASING									
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO H & P #326 R.K.B. OF 13 FT.									
DEPTHS AS PER COMPANY MAN									

200.00	0.43	60.29	N 60 17 E	0.43	200.00	0.8	60.3	0.37 N 0.65 E	
400.00	3.67	51.10	N 51 6 E	3.25	399.84	7.9	52.8	4.76 N 6.29 E	
600.00	7.27	54.69	N 54 41 E	3.61	598.90	26.9	53.3	16.10 N 21.60 E	
800.00	10.74	49.91	N 49 55 E	3.55	796.41	58.2	52.5	35.42 N 46.19 E	
1000.00	13.39	45.05	N 45 3 E	2.84	991.98	99.9	50.3	63.79 N 76.84 E	
1200.00	13.84	42.79	N 42 47 E	0.70	1186.36	146.7	48.3	97.71 N 109.48 E	
1400.00	17.04	45.55	N 45 33 E	3.28	1379.12	199.9	47.2	135.79 N 146.66 E	
1600.00	18.21	48.84	N 48 50 E	1.54	1569.73	260.4	47.2	176.88 N 191.11 E	
1800.00	22.12	48.32	N 48 19 E	3.91	1757.44	329.3	47.5	222.51 N 242.78 E	
2000.00	23.71	47.99	N 47 59 E	1.60	1941.65	407.2	47.6	274.46 N 300.79 E	
2200.00	25.27	47.63	N 47 38 E	1.57	2123.65	490.1	47.7	330.15 N 362.21 E	
2400.00	25.57	47.82	N 47 49 E	0.31	2304.29	575.9	47.7	387.90 N 425.73 E	
2600.00	26.37	46.59	N 46 35 E	0.96	2484.09	663.5	47.6	447.40 N 489.98 E	
2800.00	26.69	46.80	N 46 48 E	0.33	2663.03	752.8	47.5	508.67 N 554.99 E	
3000.00	27.57	44.08	N 44 5 E	1.52	2841.03	844.0	47.3	572.67 N 619.93 E	
3200.00	26.52	43.94	N 43 56 E	1.05	3019.16	934.8	47.0	638.08 N 683.12 E	
3400.00	26.33	43.52	N 43 31 E	0.27	3198.26	1023.6	46.7	702.39 N 744.64 E	
3600.00	24.94	43.98	N 43 59 E	1.40	3378.57	1110.1	46.4	764.90 N 804.47 E	
3800.00	25.31	44.18	N 44 11 E	0.38	3559.65	1194.9	46.3	825.90 N 863.55 E	

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Location: H & P #326, Rio Blanco County, Colorado

Job Number: RM1009GMS510

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg/ 200.0 ft	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet	
4000.00	25.87	43.87	N 43 52 E	0.58	3740.03	1281.2	46.1	888.02 N	923.58 E
4200.00	26.09	43.46	N 43 28 E	0.28	3919.82	1368.8	46.0	951.39 N	984.07 E
4400.00	25.93	47.45	N 47 27 E	1.76	4099.57	1456.4	45.9	1012.89 N	1046.54 E
4600.00	24.30	47.75	N 47 45 E	1.63	4280.66	1541.3	46.0	1070.13 N	1109.22 E
4800.00	20.64	36.62	N 36 37 E	5.60	4465.53	1617.3	45.9	1126.14 N	1160.74 E
5000.00	20.70	30.62	N 30 37 E	2.12	4652.68	1686.2	45.4	1184.85 N	1199.78 E
5200.00	15.78	26.00	N 26 0 E	5.12	4842.58	1746.2	44.8	1239.75 N	1229.72 E
5400.00	10.95	27.01	N 27 1 E	4.84	5037.10	1790.1	44.3	1281.14 N	1250.28 E
5600.00	4.72	31.77	N 31 46 E	6.26	5235.14	1816.3	44.1	1305.09 N	1263.26 E
5800.00	2.34	30.98	N 30 59 E	2.38	5434.75	1828.4	44.0	1315.58 N	1269.69 E
6000.00	1.69	37.23	N 37 14 E	0.69	5634.62	1835.3	43.9	1321.43 N	1273.58 E
6200.00	1.39	46.76	N 46 46 E	0.39	5834.55	1840.6	43.9	1325.44 N	1277.13 E
6400.00	0.13	71.34	N 71 20 E	1.27	6034.53	1843.2	43.9	1327.18 N	1279.11 E
6600.00	0.73	167.10	S 12 54 E	0.75	6234.52	1842.7	44.0	1326.01 N	1279.61 E
6800.00	1.08	152.39	S 27 37 E	0.42	6434.50	1841.5	44.1	1323.09 N	1280.77 E
7000.00	1.59	128.95	S 51 3 E	0.74	6634.45	1841.1	44.2	1319.68 N	1283.80 E
7200.00	1.55	130.56	S 49 26 E	0.06	6834.37	1841.5	44.4	1316.18 N	1288.01 E
7400.00	1.70	135.72	S 44 17 E	0.21	7034.29	1841.7	44.6	1312.29 N	1292.14 E
7600.00	1.73	137.57	S 42 26 E	0.06	7234.20	1841.5	44.7	1307.94 N	1296.25 E
7800.00	1.57	150.23	S 29 46 E	0.40	7434.12	1840.6	44.9	1303.34 N	1299.64 E
8000.00	1.39	158.46	S 21 32 E	0.28	7634.05	1838.9	45.1	1298.70 N	1301.90 E
8200.00	1.46	160.60	S 19 24 E	0.09	7833.99	1836.8	45.2	1294.04 N	1303.63 E
8400.00	1.47	174.46	S 5 32 E	0.35	8033.92	1834.1	45.3	1289.08 N	1304.73 E
8600.00	1.56	177.78	S 2 13 E	0.13	8233.85	1830.7	45.5	1283.81 N	1305.08 E

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Location: H & P #326, Rio Blanco County, Colorado

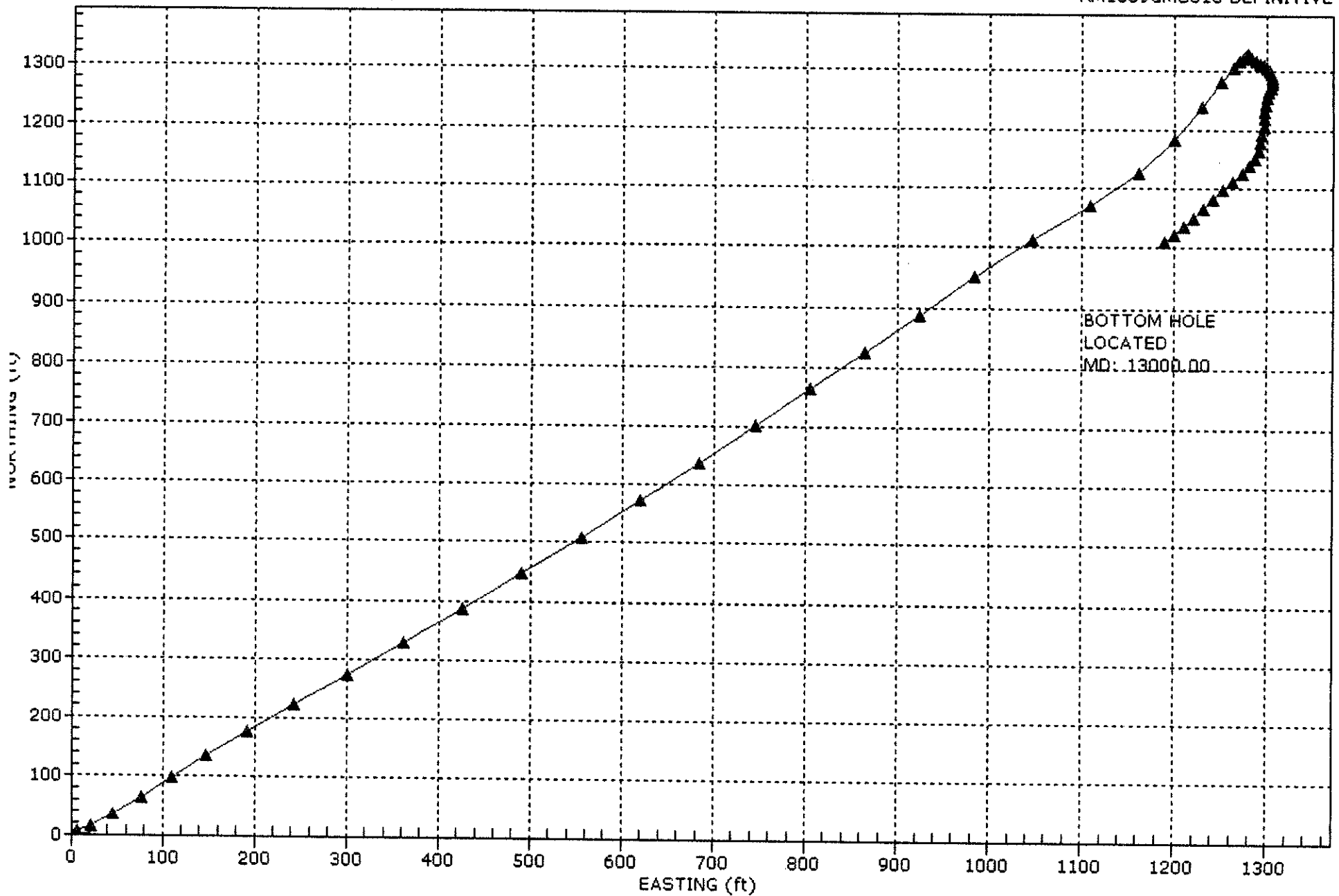
Job Number: RM1009GMS510

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg/ 200.0 ft	VERTICAL DEPTH feet	CLOSURE DIST. feet	AZIMUTH deg.	HORIZONTAL COORDINATES feet	
8800.00	1.57	185.24	S 5 14 W	0.20	8433.78	1826.8	45.6	1278.36 N	1304.93 E
9000.00	1.92	200.81	S 20 49 W	0.59	8633.69	1821.6	45.7	1272.50 N	1303.49 E
9200.00	2.73	189.41	S 9 25 W	0.93	8833.52	1814.8	45.8	1264.67 N	1301.53 E
9400.00	2.88	188.52	S 8 31 W	0.16	9033.28	1806.9	46.0	1255.00 N	1300.00 E
9600.00	3.35	189.89	S 9 53 W	0.48	9232.99	1798.2	46.2	1244.28 N	1298.25 E
9800.00	3.47	183.70	S 3 42 W	0.39	9432.63	1789.1	46.5	1232.48 N	1296.86 E
10000.00	3.59	179.45	S 0 33 E	0.29	9632.25	1780.4	46.7	1220.18 N	1296.53 E
10200.00	3.88	185.35	S 5 21 W	0.48	9831.83	1771.1	47.0	1207.18 N	1295.96 E
10400.00	4.14	191.85	S 11 51 W	0.52	10031.34	1760.2	47.3	1193.38 N	1293.84 E
10600.00	4.07	186.54	S 6 32 W	0.39	10230.83	1748.9	47.6	1179.26 N	1291.55 E
10800.00	3.92	187.71	S 7 43 W	0.17	10430.34	1738.4	47.9	1165.44 N	1289.83 E
11000.00	4.00	198.51	S 18 31 W	0.75	10629.87	1727.1	48.2	1152.05 N	1286.70 E
11200.00	4.17	210.68	S 30 41 W	0.88	10829.36	1714.1	48.3	1139.18 N	1280.77 E
11400.00	4.94	209.89	S 29 53 W	0.77	11028.73	1699.0	48.5	1125.46 N	1272.77 E
11600.00	5.06	219.83	S 39 50 W	0.87	11227.97	1682.1	48.7	1111.22 N	1262.83 E
11800.00	4.93	219.98	S 39 59 W	0.13	11427.21	1664.9	48.7	1097.86 N	1251.66 E
12000.00	5.71	213.09	S 33 5 W	1.01	11626.35	1646.8	48.9	1082.94 N	1240.70 E
12200.00	5.21	209.05	S 29 3 W	0.63	11825.45	1628.7	49.1	1066.66 N	1230.86 E
12400.00	5.69	214.08	S 34 5 W	0.68	12024.54	1610.6	49.3	1050.51 N	1220.90 E
12600.00	4.96	218.12	S 38 7 W	0.82	12223.68	1592.6	49.4	1035.50 N	1210.00 E
12800.00	4.61	221.94	S 41 56 W	0.47	12422.98	1576.2	49.5	1022.72 N	1199.30 E
13000.00	4.31	224.80	S 44 48 W	0.37	12622.38	1560.7	49.6	1011.41 N	1188.63 E

Final Station Closure: Distance: 1560.70 ft Az: 49.61 deg.

Exxon Mobil
Well: PCU 297-12A1 4-1/2" Casing
Location: H & P #326, Rio Blanco County, Colorado

Final
Gyrodata
RM1009GMS510 DEFINITIVE



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