



Gyrodata Incorporated

3811 S. Co. Rd. 1285

Odessa, TX. 79765

432/561-8458

Fax: 432/563-7982

Date: April 24, 2009

Railroad Commission of Texas

Oil & Gas Division

P.O. Box 12967

Capitol Station

Austin, Texas 78711

Attn: Ms. Pam Johns

RE:

Energen Resources Corporation

University "20" Well No. 4701

RRC Lease/Gas ID No. Not Assigned

War-wink, S. (Wolfcamp)

UL, Abstract not given

Ward County, Texas

API No. 42-475-35473

CERTIFIED MAIL 70072560000336947591

39471

RECEIVED
RRC
APR 30 2009
O&G
AUSTIN TX

Ms. Johns,

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc. (P-5 No. 339713). Other information required by your office is as follows:

Name & Title Of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Steve Winther Surveyor	Original Hole	Surface - 11700'	12/23/2008	Rate Gyroscopic

A certified plat on which the bottom hole location is oriented both to the surface location and to the lease lines (or unit lines in the case of pooling) is attached to the survey report. If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

Jena Tumlin
Operations
Enclosure

A Gyrodata Directional Survey

for

ENERGEN RESOURCES

Lease: University 20 Well: 4701, 7" Casing
Location: Lariat Rig #31, Ward County, Texas

Job Number: MD1208GW465

Run Date: 23 Dec 2008

Surveyor: Oscar Velasquez; Junior Pena; Steve Winther; Phillip Stafford

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 31.644903 deg. N Longitude: 103.275642 deg. W

Azimuth Correction:

Gyro: 1.52000 deg to Grid North

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Well Head Location

A Gyrodata Directional Survey

Energizer Resources

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Job Number: MD1208GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.00	0.00	0.00	0.0	0.00	0.00	0.0 0.0	0.00 N 0.00 E
=====							
0 TO 11700 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 7" CASING							
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO LARIAT RIG #31 R.K.B.							
=====							
100.00	0.50	71.62	0.1	0.50	100.00	0.4 71.6	0.14 N 0.42 E
200.00	0.46	86.02	0.3	0.13	200.00	1.3 76.1	0.30 N 1.33 E
300.00	0.44	83.32	0.4	0.03	299.99	2.0 79.4	0.38 N 2.01 E
400.00	0.55	71.14	0.6	0.15	399.99	2.9 78.6	0.58 N 2.85 E
500.00	0.41	62.94	0.9	0.16	499.98	3.7 76.1	0.89 N 3.62 E
600.00	0.43	72.37	1.2	0.07	599.98	4.5 74.8	1.17 N 4.30 E
700.00	0.45	74.68	1.4	0.03	699.98	5.2 74.6	1.38 N 5.03 E
800.00	0.63	78.91	1.6	0.19	799.97	6.2 75.0	1.59 N 5.95 E
900.00	0.63	101.93	1.6	0.25	899.97	7.2 77.3	1.59 N 7.03 E
1000.00	0.68	113.46	1.2	0.14	999.96	8.2 81.3	1.24 N 8.11 E
1100.00	0.61	115.76	0.8	0.07	1099.96	9.2 85.2	0.77 N 9.13 E
1200.00	0.61	113.22	0.3	0.03	1199.95	10.1 88.1	0.33 N 10.10 E
1300.00	0.57	112.02	-0.1	0.04	1299.95	11.1 90.4	0.07 S 11.06 E
1400.00	0.52	112.55	-0.4	0.06	1399.94	12.0 92.1	0.43 S 11.94 E
1500.00	0.55	97.37	-0.7	0.15	1499.94	12.9 93.0	0.67 S 12.84 E
1600.00	0.77	71.55	-0.5	0.37	1599.93	14.0 92.1	0.52 S 13.96 E
1700.00	1.06	67.44	0.1	0.29	1699.92	15.5 89.8	0.05 N 15.45 E
1800.00	1.04	65.31	0.8	0.04	1799.90	17.1 87.4	0.79 N 17.13 E
1900.00	1.19	59.26	1.7	0.19	1899.88	18.9 84.8	1.70 N 18.85 E
2000.00	1.25	58.30	2.8	0.06	1999.86	20.9 82.3	2.81 N 20.68 E

A Gyrodata Directional Survey

Energex Resources

Lease: University 20 Well: 4701, 7" Casing

Location: Lariat Rig #31, Ward County, Texas

Job Number: MD1308GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2100.00	1.22	58.27	3.9	0.03	2099.83	22.9 80.1	3.94 N 22.51 E
2200.00	1.43	50.36	5.3	0.28	2199.81	25.0 77.7	5.30 N 24.38 E
2300.00	2.34	45.00	7.5	0.93	2299.75	27.8 74.3	7.54 N 26.79 E
2400.00	2.74	45.90	10.7	0.41	2399.65	31.8 70.4	10.65 N 29.95 E
2500.00	3.20	46.07	14.3	0.46	2499.52	36.6 67.1	14.25 N 33.68 E
2600.00	3.31	45.79	18.2	0.11	2599.36	41.9 64.3	18.20 N 37.76 E
2700.00	3.53	43.86	22.4	0.24	2699.18	47.6 61.9	22.43 N 41.96 E
2800.00	3.50	41.70	26.9	0.14	2798.99	53.4 59.7	26.93 N 46.12 E
2900.00	3.68	42.86	31.6	0.19	2898.80	59.4 57.9	31.55 N 50.33 E
3000.00	3.57	43.86	36.1	0.12	2998.60	65.5 56.5	36.15 N 54.67 E
3100.00	3.34	44.70	40.5	0.23	3098.41	71.4 55.5	40.47 N 58.88 E
3200.00	3.47	44.92	44.7	0.13	3198.24	77.3 54.7	44.68 N 63.07 E
3300.00	3.22	50.28	48.6	0.40	3298.07	83.1 54.2	48.62 N 67.36 E
3400.00	3.14	56.28	51.9	0.34	3397.91	88.6 54.1	51.94 N 71.80 E
3500.00	2.52	62.73	54.5	0.70	3497.79	93.5 54.4	54.46 N 76.03 E
3600.00	2.31	66.76	56.3	0.27	3597.70	97.7 54.8	56.26 N 79.83 E
3700.00	2.27	66.81	57.8	0.04	3697.62	101.6 55.3	57.84 N 83.50 E
3800.00	2.81	72.30	59.4	0.60	3797.52	105.9 55.9	59.36 N 87.66 E
3900.00	3.08	72.02	60.9	0.27	3897.39	110.8 56.6	60.94 N 92.55 E
4000.00	3.31	73.73	62.6	0.24	3997.24	116.2 57.4	62.58 N 97.88 E
4100.00	3.27	77.80	64.0	0.24	4097.07	121.6 58.3	63.99 N 103.43 E
4200.00	3.05	81.62	65.0	0.31	4196.92	126.8 59.2	64.98 N 108.85 E
4300.00	3.00	83.78	65.7	0.12	4296.78	131.6 60.1	65.65 N 114.08 E
4400.00	2.93	84.67	66.2	0.08	4396.65	136.4 61.0	66.17 N 119.33 E

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Energizer Resources

Lease: University 20 Well: 4701, 7" Casing

Location: Lariat Rig #31, Ward County, Texas

Job Number: MD1208GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4500.00	2.99	82.71	66.7	0.12	4496.51	141.1 61.8	66.74 N 124.37 E
4600.00	2.58	85.49	67.3	0.43	4596.40	145.6 62.5	67.25 N 129.20 E
4700.00	2.52	81.38	67.8	0.19	4696.30	149.8 63.1	67.75 N 133.61 E
4800.00	2.69	81.11	68.4	0.17	4796.19	154.1 63.6	68.44 N 138.10 E
4900.00	2.15	89.03	68.8	0.63	4896.10	158.1 64.2	68.84 N 142.30 E
5000.00	1.83	92.95	68.8	0.35	4996.04	161.2 64.7	68.79 N 145.77 E
5100.00	1.62	97.23	68.5	0.25	5096.00	163.8 65.3	68.53 N 148.77 E
5200.00	1.65	96.59	68.2	0.03	5195.96	166.2 65.8	68.18 N 151.61 E
5300.00	1.73	95.65	67.9	0.08	5295.91	168.8 66.3	67.87 N 154.54 E
5400.00	1.52	95.40	67.6	0.21	5395.87	171.3 66.8	67.60 N 157.37 E
5500.00	1.32	99.81	67.3	0.23	5495.84	173.4 67.2	67.27 N 159.83 E
5600.00	1.14	101.41	66.9	0.19	5595.82	175.2 67.6	66.88 N 161.93 E
5700.00	1.07	104.50	66.5	0.09	5695.80	176.8 67.9	66.45 N 163.81 E
5800.00	1.07	101.36	66.0	0.06	5795.78	178.3 68.3	66.03 N 165.63 E
5900.00	0.76	118.23	65.5	0.41	5895.77	179.5 68.6	65.54 N 167.13 E
6000.00	0.67	125.59	64.9	0.12	5995.76	180.3 68.9	64.88 N 168.19 E
6100.00	0.60	138.28	64.2	0.16	6095.76	180.8 69.2	64.15 N 169.02 E
6200.00	0.53	139.51	63.4	0.08	6195.75	181.1 69.5	63.41 N 169.66 E
6300.00	0.19	174.50	62.9	0.38	6295.75	181.2 69.7	62.89 N 169.98 E
6400.00	0.17	159.71	62.6	0.05	6395.75	181.2 69.8	62.58 N 170.05 E
6500.00	0.15	146.91	62.3	0.04	6495.75	181.2 69.9	62.33 N 170.17 E
6600.00	0.23	87.16	62.2	0.20	6595.75	181.4 69.9	62.23 N 170.44 E
6700.00	0.18	101.26	62.2	0.07	6695.75	181.8 70.0	62.21 N 170.80 E
6800.00	0.18	91.48	62.2	0.03	6795.75	182.1 70.0	62.18 N 171.12 E

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Energex Resources

Lease: University 20 Well: 4701, 7" Casing

Location: Lariat Rig #31, Ward County, Texas

Job Number: MD1208GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6900.00	0.11	119.37	62.1	0.10	6895.75	182.3 70.1	62.13 N 171.36 E
7000.00	0.05	355.51	62.1	0.15	6995.75	182.3 70.1	62.13 N 171.44 E
7100.00	0.05	333.72	62.2	0.02	7095.75	182.4 70.1	62.21 N 171.42 E
7200.00	0.12	173.61	62.1	0.17	7195.75	182.3 70.1	62.15 N 171.41 E
7300.00	0.24	192.25	61.8	0.13	7295.75	182.2 70.2	61.83 N 171.38 E
7400.00	0.69	347.70	62.2	0.91	7395.74	182.2 70.0	62.21 N 171.30 E
7500.00	0.63	324.07	63.2	0.28	7495.74	182.1 69.7	63.24 N 170.75 E
7600.00	0.68	270.04	63.7	0.59	7595.73	181.4 69.4	63.68 N 169.84 E
7700.00	1.04	251.53	63.4	0.45	7695.72	179.9 69.4	63.40 N 168.30 E
7800.00	2.09	244.32	62.3	1.07	7795.68	177.2 69.4	62.32 N 165.88 E
7900.00	0.73	331.53	62.1	2.18	7895.66	175.3 69.3	62.08 N 163.93 E
8000.00	1.21	191.55	61.6	1.83	7995.65	174.6 69.3	61.60 N 163.42 E
8100.00	0.11	52.86	60.6	1.30	8095.64	174.2 69.6	60.62 N 163.28 E
8200.00	0.70	209.85	60.1	0.80	8195.64	173.8 69.8	60.15 N 163.06 E
8300.00	0.67	204.98	59.1	0.06	8295.63	172.9 70.0	59.10 N 162.51 E
8400.00	0.56	205.66	58.1	0.11	8395.63	172.2 70.3	58.13 N 162.05 E
8500.00	0.95	189.32	56.9	0.44	8495.62	171.4 70.6	56.88 N 161.71 E
8600.00	1.29	189.97	55.0	0.35	8595.60	170.5 71.2	54.96 N 161.38 E
8700.00	1.25	182.20	52.8	0.18	8695.58	169.6 71.9	52.76 N 161.14 E
8800.00	1.37	183.33	50.5	0.13	8795.55	168.8 72.6	50.47 N 161.03 E
8900.00	1.18	179.51	48.2	0.21	8895.53	168.0 73.3	48.24 N 160.97 E
9000.00	1.10	151.10	46.4	0.57	8995.51	168.0 74.0	46.37 N 161.44 E
9100.00	0.46	175.32	45.1	0.70	9095.50	168.1 74.4	45.14 N 161.94 E
9200.00	0.53	247.92	44.6	0.59	9195.49	167.6 74.6	44.56 N 161.54 E

A Gyrodata Directional Survey

Energien Resources

Lease: University 20 Well: 4701, 7" Casing

Location: Lariat Rig #31, Ward County, Texas

Job Number: MD1208GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9300.00	0.74	267.77	44.4	0.31	9295.49	166.5 74.5	44.36 N 160.46 E
9400.00	1.09	205.83	43.5	0.99	9395.48	165.2 74.7	43.48 N 159.40 E
9500.00	1.34	197.03	41.5	0.31	9495.45	164.0 75.3	41.50 N 158.64 E
9600.00	1.55	197.00	39.1	0.21	9595.42	162.7 76.1	39.09 N 157.90 E
9700.00	1.58	204.19	36.5	0.20	9695.39	161.1 76.9	36.54 N 156.94 E
9800.00	1.17	216.24	34.5	0.50	9795.36	159.5 77.5	34.45 N 155.77 E
9900.00	0.95	236.72	33.2	0.44	9895.34	158.0 77.9	33.17 N 154.47 E
10000.00	0.82	236.65	32.3	0.13	9995.33	156.6 78.1	32.33 N 153.19 E
10100.00	0.55	221.49	31.6	0.32	10095.32	155.5 78.3	31.57 N 152.27 E
10200.00	0.62	230.03	30.9	0.11	10195.32	154.6 78.5	30.86 N 151.54 E
10300.00	0.92	233.75	30.0	0.31	10295.31	153.4 78.7	30.04 N 150.47 E
10400.00	0.96	191.84	28.7	0.68	10395.29	152.4 79.1	28.74 N 149.65 E
10500.00	0.79	181.30	27.2	0.24	10495.28	151.9 79.7	27.23 N 149.46 E
10600.00	0.87	178.33	25.8	0.09	10595.27	151.7 80.2	25.78 N 149.47 E
10700.00	0.93	175.91	24.2	0.07	10695.26	151.5 80.8	24.22 N 149.55 E
10800.00	1.31	115.68	22.9	1.17	10795.24	152.4 81.3	22.92 N 150.64 E
10900.00	2.01	137.74	21.1	0.94	10895.20	154.3 82.1	21.13 N 152.84 E
11000.00	2.19	136.97	18.4	0.18	10995.13	156.4 83.2	18.43 N 155.33 E
11100.00	3.38	151.67	14.4	1.38	11095.02	158.7 84.8	14.44 N 158.03 E
11200.00	3.02	148.13	9.6	0.41	11194.86	161.1 86.6	9.60 N 160.82 E
11300.00	2.77	149.32	5.3	0.26	11294.73	163.5 88.1	5.29 N 163.44 E
11400.00	2.58	151.58	1.2	0.22	11394.62	165.8 89.6	1.23 N 165.75 E
11500.00	2.36	154.28	-2.6	0.25	11494.53	167.7 90.9	2.60 S 167.71 E
11600.00	2.15	139.04	-5.9	0.63	11594.45	169.9 92.0	5.87 S 169.83 E

A Gyrodata Directional Survey

Energex Resources

Lease: University 20 Well: 4701, 7" Casing

Location: Larist Rig #31, Ward County, Texas

Job Number: MD1208GW465

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
11700.00	1.92	138.29	-8.5	0.23	11694.39	172.4 92.8	8.54 S 172.18 E

Final Station Closure: Distance: 172.39 ft Az: 92.84 deg.