



Gyrodata Incorporated
3811 S. Co Rd. 1285
Odessa, TX 79765

915/561-8458
Fax 915/563-7982

Date: October 23, 2002

**Railroad Commission of Texas
Oil & Gas Division
P.O. Box 12967
Capitol Station
Austin, Texas 78711**

Attn: Ms. Cathy Garrison

**RE:
Pure Resources
University "5", Well No. 1
RRC Lease/Gas ID No. Not Assigned
Benedum (Devonian, Gas) University 5
UL Abstract not assigned
Upton County, Texas
API No. 42-461-34310**

Ms. Garrison:

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	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Victor LaBoy Surveyor	Original Hole	Surface -11925 52'	8/11/02	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,


Jenna Tisdale
Operations

Enclosure



7002 0460 0002 0044 0014

A Gyrodata Directional Survey

for

PURE RESOURCES L.P.

Location: TMBR / SHARP # 30, Benedum Field, Upton County, Texas
Well: UNIVERSITY 5 - 1, Drill Pipe Survey

Job Number: MD0802GDM206

Run Date: 8/11/02 7:30:00 AM

Surveyor: Victor Laboy

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 31.308858 deg. N Longitude: 101.879911 deg. W

Azimuth Correction:

Gyro: 0.80000 deg East to Grid North

Proposed Well Direction: 220.000 deg

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: TMBR / SHARP # 30, Benedum Field, Upton County, Texas

Job Number: MD0802GDM206

MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.0	0.00	0.00	0.0	0.00	0.0	0.0 0.0	0.00 N 0.00 E

0 - 11925.52 FT. RATE-GYROSCOPIC MULTISHOY SURVEY RUN INSIDE DRILLPIPE							
ALL DEPTHS REFERENCED TO TMBR / SHARP RIG 30 R.K.B. OF 22.5 FT ABOVE GROUND LEVEL							

121.4	0.82	348.62	-0.5	0.68	121.4	0.9 348.6	0.86 N 0.17 W
214.2	0.44	351.14	-1.2	0.41	214.2	1.9 349.1	1.86 N 0.36 W
307.0	0.29	1.91	-1.6	0.18	307.0	2.5 350.6	2.45 N 0.41 W
399.8	1.00	50.71	-2.6	0.90	399.8	3.2 4.1	3.21 N 0.23 E
492.6	1.18	50.45	-4.3	0.19	492.6	4.6 20.2	4.33 N 1.60 E
583.0	1.13	53.97	-6.1	0.10	582.9	6.2 29.1	5.45 N 3.04 E
676.3	1.09	53.43	-7.9	0.05	676.2	7.9 34.6	6.51 N 4.49 E
769.6	0.98	51.59	-9.5	0.12	769.5	9.5 37.7	7.54 N 5.83 E
862.9	0.90	62.98	-11.0	0.22	862.8	11.0 40.3	8.37 N 7.10 E
956.3	1.02	57.64	-12.4	0.16	956.1	12.5 42.8	9.14 N 8.46 E
1051.3	1.01	61.53	-14.0	0.07	1051.1	14.1 44.7	10.00 N 9.91 E
1146.3	1.01	61.89	-15.6	0.01	1146.1	15.7 46.5	10.79 N 11.38 E
1241.3	0.84	64.39	-17.0	0.19	1241.1	17.2 48.0	11.49 N 12.75 E
1336.3	0.89	82.96	-18.2	0.30	1336.1	18.4 49.9	11.88 N 14.11 E
1431.3	0.99	96.75	-19.2	0.26	1431.1	19.6 52.8	11.87 N 15.66 E
1526.3	0.99	109.83	-19.9	0.24	1526.1	20.7 56.3	11.50 N 17.24 E
1621.3	0.93	121.66	-20.3	0.22	1621.1	21.6 59.9	10.81 N 18.67 E
1716.3	1.01	121.59	-20.5	0.09	1716.1	22.4 63.6	9.97 N 20.04 E
1811.3	1.00	129.53	-20.6	0.15	1811.0	23.2 67.2	9.00 N 21.40 E
1906.3	1.10	124.83	-20.7	0.13	1906.0	24.1 70.8	7.95 N 22.79 E

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MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
2001.3	1.10	123.51	-20.9	0.03	2001.0	25.3 74.1	6.93 N 24.30 E
2096.3	1.10	117.23	-21.2	0.13	2096.0	26.6 76.9	6.01 N 25.86 E
2191.3	1.07	111.45	-21.7	0.12	2191.0	28.0 79.2	5.27 N 27.50 E
2286.3	1.05	109.23	-22.3	0.05	2286.0	29.5 80.9	4.66 N 29.14 E
2381.3	1.02	105.70	-23.0	0.07	2381.0	31.1 82.3	4.14 N 30.78 E
2476.3	0.84	108.65	-23.6	0.20	2476.0	32.5 83.5	3.69 N 32.26 E
2571.3	0.85	103.66	-24.1	0.08	2570.9	33.8 84.4	3.30 N 33.60 E
2666.3	0.73	89.97	-24.8	0.23	2665.9	35.0 84.9	3.13 N 34.89 E
2761.3	0.71	92.95	-25.6	0.04	2760.9	36.2 85.1	3.10 N 36.08 E
2856.3	0.67	86.70	-26.3	0.09	2855.9	37.4 85.2	3.11 N 37.23 E
2951.3	0.66	86.55	-27.1	0.01	2950.9	38.5 85.3	3.17 N 38.33 E
3046.3	0.57	84.13	-27.8	0.09	3045.9	39.5 85.3	3.25 N 39.35 E
3141.3	0.63	78.60	-28.5	0.08	3140.9	40.5 85.2	3.40 N 40.33 E
3236.3	0.51	69.49	-29.3	0.15	3235.9	41.4 84.9	3.66 N 41.24 E
3331.3	0.52	67.04	-30.1	0.03	3330.9	42.2 84.6	3.97 N 42.03 E
3426.3	0.49	59.66	-30.8	0.08	3425.9	43.0 84.2	4.35 N 42.78 E
3521.3	0.50	51.24	-31.6	0.08	3520.9	43.7 83.7	4.81 N 43.46 E
3616.3	0.35	57.29	-32.3	0.17	3615.9	44.3 83.2	5.23 N 44.03 E
3711.3	0.51	61.13	-33.0	0.17	3710.9	45.0 82.9	5.59 N 44.64 E
3806.3	0.65	39.74	-33.9	0.27	3805.9	45.8 82.2	6.21 N 45.35 E
3901.3	0.95	32.03	-35.2	0.33	3900.9	46.7 81.0	7.28 N 46.11 E
3996.3	0.82	42.37	-36.7	0.22	3995.9	47.7 79.8	8.45 N 46.98 E
4091.3	0.72	45.59	-37.9	0.11	4090.9	48.8 78.9	9.36 N 47.86 E
4186.3	0.80	45.10	-39.2	0.09	4185.9	49.8 78.1	10.25 N 48.75 E

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4281.3	0.80	44.58	-40.5	0.01	4280.9	50.9 77.3	11.19 N 49.69 E
4376.3	0.82	45.34	-41.8	0.02	4375.9	52.1 76.5	12.13 N 50.63 E
4471.3	0.69	50.12	-43.1	0.15	4470.9	53.2 75.9	12.98 N 51.55 E
4566.4	0.68	47.41	-44.2	0.04	4565.9	54.2 75.3	13.72 N 52.41 E
4661.4	0.54	38.64	-45.2	0.18	4660.9	55.0 74.8	14.45 N 53.10 E
4756.4	0.61	29.99	-46.2	0.12	4755.8	55.8 74.1	15.24 N 53.63 E
4851.4	0.66	24.91	-47.2	0.08	4850.8	56.5 73.4	16.18 N 54.12 E
4946.4	0.67	23.13	-48.2	0.03	4945.8	57.2 72.5	17.19 N 54.57 E
5041.4	0.66	21.61	-49.3	0.02	5040.8	57.9 71.7	18.20 N 54.99 E
5136.4	0.76	29.79	-50.4	0.15	5135.8	58.7 70.9	19.25 N 55.50 E
5231.4	0.72	29.98	-51.6	0.04	5230.8	59.7 70.1	20.32 N 56.11 E
5326.4	0.67	28.91	-52.8	0.05	5325.8	60.6 69.4	21.33 N 56.68 E
5421.4	0.66	31.36	-53.9	0.03	5420.8	61.4 68.7	22.29 N 57.23 E
5516.4	0.60	31.99	-54.9	0.06	5515.8	62.3 68.1	23.18 N 57.79 E
5611.4	0.55	35.50	-55.8	0.07	5610.8	63.0 67.7	23.97 N 58.31 E
5706.4	0.38	38.55	-56.6	0.18	5705.8	63.7 67.3	24.59 N 58.78 E
5801.4	0.36	38.45	-57.2	0.02	5800.8	64.3 67.0	25.07 N 59.16 E
5896.4	0.32	50.70	-57.8	0.09	5895.8	64.8 66.8	25.48 N 59.55 E
5991.4	0.58	85.42	-58.4	0.39	5990.8	65.5 66.9	25.68 N 60.24 E
6086.4	0.51	102.03	-58.9	0.18	6085.8	66.3 67.3	25.63 N 61.13 E
6181.4	0.44	109.40	-59.3	0.10	6180.8	66.9 67.7	25.43 N 61.88 E
6276.4	0.68	115.10	-59.5	0.27	6275.8	67.6 68.2	25.06 N 62.74 E
6371.4	1.23	95.60	-60.2	0.66	6370.8	68.9 69.0	24.72 N 64.26 E
6466.4	1.26	107.56	-61.2	0.27	6465.8	70.6 69.9	24.31 N 66.27 E

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6561.4	1.40	106.69	-62.1	0.15	6560.7	72.4 70.9	23.66 N 68.37 E
6656.4	1.38	91.50	-63.2	0.39	6655.7	74.4 71.7	23.30 N 70.63 E
6751.4	1.12	85.58	-64.6	0.31	6750.7	76.4 72.2	23.34 N 72.70 E
6846.4	1.01	83.38	-65.9	0.12	6845.7	78.1 72.5	23.51 N 74.46 E
6941.4	1.00	86.54	-67.1	0.06	6940.7	79.7 72.7	23.66 N 76.12 E
7036.4	0.95	74.53	-68.3	0.22	7035.7	81.3 72.9	23.91 N 77.71 E
7131.4	0.70	52.72	-69.5	0.42	7130.7	82.6 72.8	24.47 N 78.92 E
7226.4	0.53	22.04	-70.5	0.38	7225.7	83.5 72.4	25.23 N 79.55 E
7321.4	0.88	349.06	-71.3	0.55	7320.6	83.8 71.7	26.35 N 79.57 E
7416.4	1.32	356.95	-72.6	0.49	7415.6	84.2 70.5	28.15 N 79.38 E
7511.4	1.28	3.09	-74.2	0.15	7510.6	85.0 69.1	30.30 N 79.38 E
7606.4	1.16	1.80	-75.8	0.12	7605.6	85.8 67.9	32.31 N 79.47 E
7701.4	1.08	4.98	-77.3	0.11	7700.6	86.6 66.8	34.17 N 79.57 E
7796.4	0.89	4.07	-78.7	0.20	7795.6	87.4 65.8	35.80 N 79.70 E
7891.4	0.84	11.85	-79.9	0.14	7890.6	88.1 65.0	37.22 N 79.90 E
7986.4	0.63	14.76	-81.0	0.22	7985.6	88.9 64.4	38.41 N 80.17 E
8081.4	0.47	14.19	-81.8	0.17	8080.6	89.5 64.0	39.29 N 80.40 E
8176.4	0.40	15.25	-82.4	0.07	8175.5	90.0 63.6	39.99 N 80.59 E
8271.4	0.34	21.44	-83.0	0.08	8270.5	90.4 63.3	40.57 N 80.78 E
8366.4	0.26	24.94	-83.5	0.09	8365.6	90.8 63.1	41.03 N 80.97 E
8461.4	0.10	25.24	-83.8	0.17	8460.6	91.0 63.0	41.29 N 81.09 E
8556.4	0.09	129.75	-83.8	0.16	8555.6	91.1 63.0	41.32 N 81.19 E
8651.4	0.21	142.39	-83.8	0.14	8650.6	91.2 63.2	41.13 N 81.35 E
8746.5	0.32	130.03	-83.8	0.12	8745.6	91.3 63.4	40.83 N 81.66 E

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8841.5	0.36	180.01	-83.5	0.30	8840.6	91.3 63.8	40.36 N 81.86 E
8936.5	0.40	163.56	-83.1	0.12	8935.6	91.1 64.1	39.74 N 81.95 E
9031.5	0.42	170.36	-82.7	0.06	9030.6	90.9 64.5	39.08 N 82.10 E
9126.5	0.08	37.50	-82.5	0.50	9125.6	90.9 64.7	38.79 N 82.20 E
9221.5	0.74	12.45	-83.2	0.70	9220.6	91.3 64.4	39.43 N 82.37 E
9316.5	0.58	336.01	-83.9	0.46	9315.6	91.7 63.8	40.47 N 82.30 E
9411.5	0.63	352.84	-84.5	0.19	9410.6	91.9 63.2	41.43 N 82.04 E
9506.5	0.53	32.47	-85.3	0.43	9505.5	92.5 62.8	42.32 N 82.21 E
9601.5	0.79	348.77	-86.1	0.57	9600.6	93.0 62.2	43.33 N 82.32 E
9696.5	1.00	332.13	-86.8	0.35	9695.5	93.2 61.3	44.70 N 81.81 E
9791.5	0.94	313.98	-87.2	0.33	9790.5	93.0 60.4	45.98 N 80.86 E
9886.5	1.01	275.91	-86.8	0.68	9885.5	92.1 59.6	46.61 N 79.46 E
9981.5	1.22	273.20	-85.7	0.22	9980.5	90.6 58.9	46.75 N 77.61 E
10076.5	1.41	260.83	-84.2	0.36	10075.5	88.7 58.3	46.62 N 75.46 E
10171.5	1.49	259.50	-82.4	0.09	10170.5	86.5 57.7	46.21 N 73.09 E
10266.5	1.46	260.63	-80.5	0.04	10265.4	84.2 57.1	45.79 N 70.69 E
10361.5	1.44	260.35	-78.7	0.02	10360.4	82.0 56.4	45.39 N 68.32 E
10551.5	1.64	267.63	-75.0	0.15	10550.3	77.6 54.6	44.88 N 63.25 E
10646.5	1.73	269.01	-73.2	0.10	10645.3	75.2 53.5	44.80 N 60.45 E
10741.5	1.74	283.83	-71.6	0.47	10740.2	73.2 51.9	45.12 N 57.62 E
10836.5	2.08	286.05	-70.3	0.37	10835.2	71.3 49.9	45.94 N 54.56 E
10931.5	1.98	292.87	-69.1	0.28	10930.1	69.7 47.5	47.06 N 51.39 E
11026.5	1.89	293.73	-68.2	0.10	11025.1	68.4 45.1	48.32 N 48.45 E
11121.5	1.81	288.05	-67.2	0.21	11120.0	67.2 42.7	49.42 N 45.59 E

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11216.5	1.79	287.80	-66.0	0.03	11215.0	66.0	40.3	50.34 N	42.75 E
11311.5	1.93	288.47	-64.9	0.15	11310.0	64.9	37.8	51.30 N	39.82 E
11406.5	2.05	288.10	-63.7	0.14	11404.9	63.9	35.0	52.33 N	36.69 E
11501.5	1.78	280.34	-62.3	0.40	11499.8	62.9	32.3	53.13 N	33.62 E
11596.5	1.85	292.51	-61.1	0.41	11594.8	62.1	29.7	53.98 N	30.75 E
11691.5	1.79	265.08	-59.6	0.91	11689.8	61.1	27.1	54.44 N	27.85 E
11786.5	1.82	263.31	-57.5	0.06	11784.7	59.6	24.7	54.13 N	24.87 E
11881.5	1.72	241.41	-55.0	0.71	11879.7	57.7	22.6	53.28 N	22.13 E
11925.5	1.57	234.12	-53.8	0.58	11923.7	56.7	21.8	52.61 N	21.06 E

Final Station Closure: Distance: 56.67 ft Az: 21.82 deg.

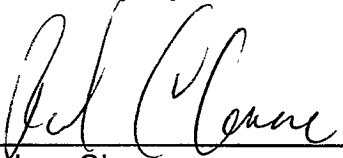


Gyrodata Incorporated
3811 S. Co Rd 1285
Odessa, TX 79765

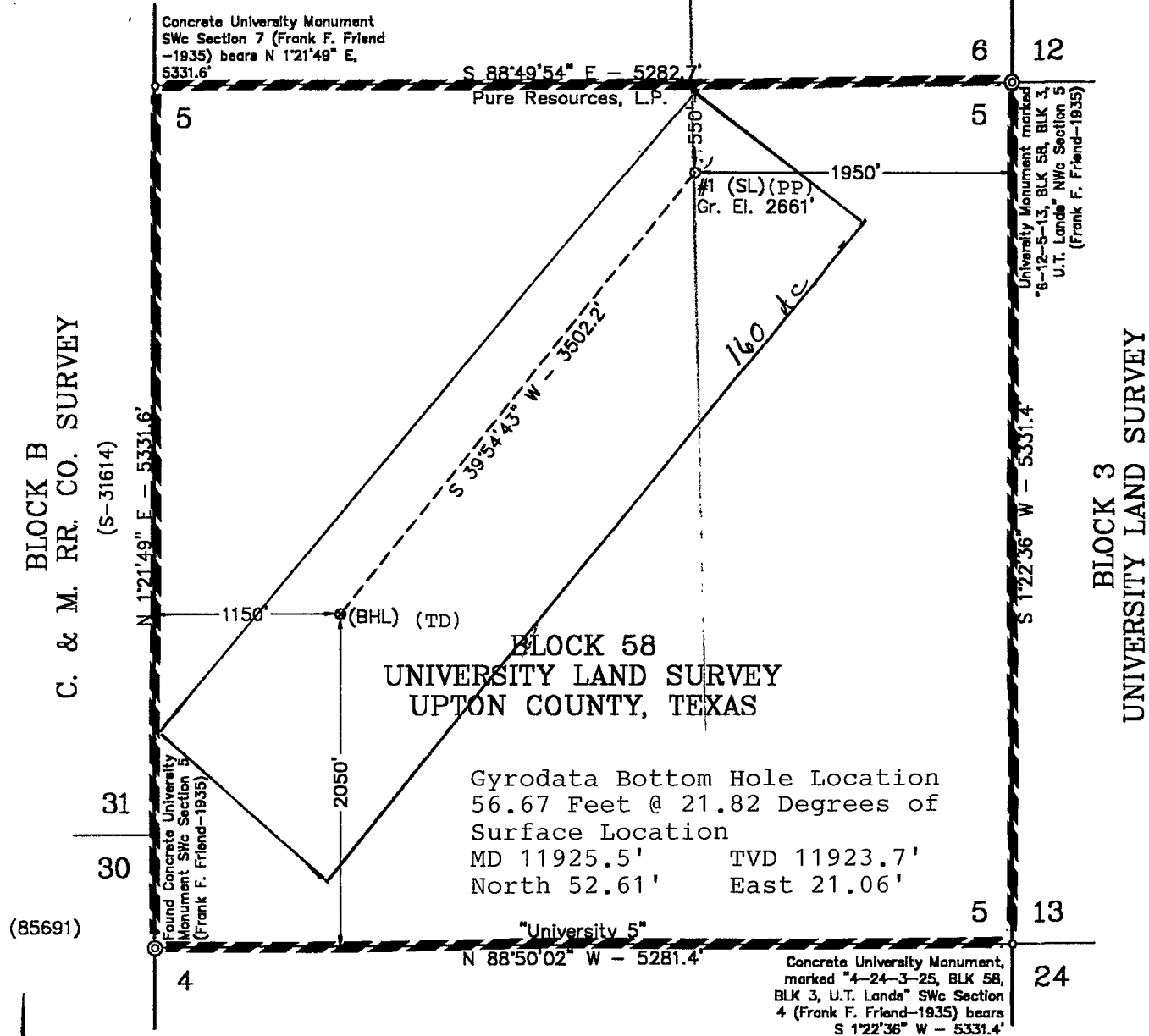
915/561-8458
Fax: 915/563-7982

State of Texas
County of Midland

I, Ruben Clemence, certify that; I am employed by Gyrodata Inc.; that I did on the day(s) of 8-11-02 through 8-11-02 conduct or supervise the taking of a Rate Gyroscopic Multishot survey from a depth of 0 feet to a depth of 11925.52 feet; that the data is true, correct, complete, and within the limitations of the tool as set forth by Gyrodata Inc; that I am authorized and qualified to make this report; that this survey was conducted at the request of Pure Resources for the University 5 #1 Well API No. 42-461-34310 in Upton County, Texas; and that I have reviewed this report and find that it conforms to the principles and procedures as set forth by Gyrodata Inc.



Ruben Clemence
District Manager



LEGEND

Date Surveyed: June 6, 2002
Weather: Cloudy & Warm

- - Denotes Proposed Surface Well Location
- - Denotes Proposed Bottom Hole Location
- ⊙ - Denotes Found Monument (As Described)
- - Denotes Calculated Corner this Survey
- (S-12345) - Denotes General Land Office File No.

Coordinate Table		
Description	Plane Coordinate	Geodetic Coordinate
University 5 #1	X = 1,516,024.2	Longitude = 101°52'57.23" W
Surface Location	Y = 587,883.4	Latitude = 31°16'25.89" N
University 5 #1	X = 1,513,777.7	Longitude = 101°53'22.68" W
Bottom Hole Location	Y = 585,197.7	Latitude = 31°15'59.00" N

NOTE:

- Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- Geodetic Coordinate shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference Stations - Jayton (CORS) - AC9376, ODESSA RRP (CORS) - AB6382 and McDonald (CORS) - AA7437.
- See information filed in the office of this Surveyor which describes the reconstruction of this Section.

The University 5 #1 is located approximately
4 miles Northeast of Rankin, Texas.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE
FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE
SURVEY MADE UNDER MY SUPERVISION

MACON McDONALD TEXAS R.P.L.S. NO. 4398
J. FRANK NEWMAN TEXAS R.P.L.S. NO. 5011
R. CRAIG ALDERMAN TEXAS R.P.L.S. NO. 5285

WEST COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(915) 687-0865 - (915) 687-0868 FAX

PURE RESOURCES, L.P.

Location of the
UNIVERSITY 5 #1

Surface Location: 550' FNL & 1950' FEL
Bottom Hole Location: 2050' FSL & 1150' FWL
Section 5, Block 58
University Land Survey
Upton County, Texas

Drawn By: LVA	Date: June 10, 2002
Scale: 1"=1000'	Field Book: 243 / 63-64
Revision Date:	Quadrangle: Sevenmile Corner
W.O. No: 2002-0351-S	Dwg. No.: L-2002-0351-S

Reservoir Development

Drilling & Measurements (Anadrill)
9900 West I-20 Suite 103
Midland, Texas
79706, USA
Phone: (915)-563-3057
Fax: (915)-563-3059

Schlumberger

September 21, 2002

Railroad Commission of Texas
Oil and Gas Division
PO Box 12967
Capital Station
Austin, Texas 78711

Attention: Cathy Garrison

Re:

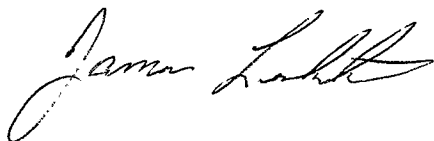
Pure Resources
University #5 - 1
Upton County
Timbersharp Rig # 30
Upton County, Texas
API No. 42-461-34310
-JSO# 40007851

Enclosed, please find the original copy of the survey performed on the referenced well by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation (P-5 No. 754900). Other information required by your office is as follows.

<u>Name & Title of Surveyor</u>	<u>Drainhole Number</u>	<u>Surveyed Depths</u>	<u>Dates Performed</u>	<u>Type of Survey</u>
Phil St.Croix MWD-2	Original Hole	11311.00 Ft- 16007.00 Ft	August 18, 2002 - September 20, 2002	Slimpulse

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

Sincerely,



James Leshikar - FSM

CC: Pure Resources
Enclosures: [2]
Certified RRC: 7002 0460 0002 0044 0014
State of Texas
County of Midland



7001 1140 0004 3582 0947

ANADRILL

SCHLUMBERGER

Survey report

21-Sep-2002 09:47:35

Page 1 of 7

Client.....: Pure Resources, L.P.
Field.....: Benendum

Well.....: Unversity 5-1
API number.....: 42-461-34310
Engineer.....: Phil St.Croix

COUNTY.....: Upton County
STATE.....: Texas

----- Survey calculation methods-----

Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Depth reference -----

Permanent datum.....: MEAN SEA LEVEL
Depth reference.....: Driller's Pipe Tally
GL above permanent.....: 2661.00 ft
KB above permanent.....: 2684.00 ft
DF above permanent.....: 2684.00 ft

----- Vertical section origin-----

Latitude (+N/S-).....: 0.00 ft
Departure (+E/W-).....: 0.00 ft

----- Platform reference point-----

Latitude (+N/S-).....: 0.00 ft
Departure (+E/W-).....: 0.00 ft

Azimuth from rotary table to target: 219.76 degrees

Spud date.....: 20-Jul-02
Last survey date.....: 20-Sep-02
Total accepted surveys...: 151
MD of first survey.....: 11311.50 ft
MD of last survey.....: 16060.00 ft

----- Geomagnetic data -----

Magnetic model.....: BGGM version 2001
Magnetic date.....: 06-Sep-2002
Magnetic field strength...: 983.86 HCNT
Magnetic dec (+E/W-).....: 7.76 degrees
Magnetic dip.....: 59.84 degrees

----- MWD survey Reference Criteria -----

Reference G.....: 999.42 mGal
Reference H.....: 983.86 HCNT
Reference Dip.....: 59.84 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----

Magnetic dec (+E/W-).....: 7.76 degrees
Grid convergence (+E/W-)..: -0.80 degrees
Total az corr (+E/W-).....: 8.56 degrees
(Total az corr = magnetic dec - grid conv)
Sag applied (Y/N).....: No degree: 0.00

ANADRILL

SCHLUMBERGER

Survey report

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Seq # -	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool qual type
1	11311.50	1.93	288.47	0.00	11310.00	-64.90	51.30	39.82	64.94	37.82	0.00	TIP	-
2	11331.00	2.02	291.00	19.50	11329.49	-64.67	51.53	39.19	64.74	37.25	0.64	MWD	-
3	11360.00	4.60	256.31	29.00	11358.44	-63.58	51.44	37.58	63.70	36.15	10.88	MWD	-
4	11393.00	15.10	237.85	33.00	11390.91	-58.41	48.83	32.64	58.73	33.76	32.83	MWD	-
5	11452.00	33.10	233.07	59.00	11444.55	-35.24	34.94	13.09	37.32	20.54	30.66	MWD	-
6	11482.00	43.04	229.46	30.00	11468.14	-17.13	23.34	-1.27	23.37	356.88	33.94	MWD	-
7	11514.00	52.86	228.21	32.00	11489.55	6.31	7.70	-19.12	20.62	291.93	30.82	MWD	-
8	11543.00	61.84	225.99	29.00	11505.18	30.51	-8.92	-36.98	38.04	256.44	31.63	MWD	-
9	11574.00	71.38	222.67	31.00	11517.48	58.83	-29.27	-56.81	63.91	242.74	32.30	MWD	-
10	11607.00	81.09	218.44	33.00	11525.32	90.84	-53.60	-77.60	94.31	235.37	31.94	MWD	-
11	11638.00	87.83	218.18	31.00	11528.31	121.66	-77.80	-96.72	124.12	231.19	21.76	MWD	-
12	11670.00	87.66	218.30	32.00	11529.57	153.63	-102.91	-116.51	155.45	228.55	0.65	MWD	-
13	11701.00	89.00	218.30	31.00	11530.48	184.60	-127.23	-135.71	186.02	226.85	4.32	MWD	-
14	11733.00	90.24	218.30	32.00	11530.69	216.59	-152.34	-155.54	217.72	225.60	3.87	MWD	-
15	11764.00	90.03	218.17	31.00	11530.62	247.58	-176.69	-174.73	248.50	224.68	0.80	MWD	-
16	11796.00	89.48	218.26	32.00	11530.75	279.57	-201.83	-194.53	280.32	223.94	1.74	MWD	-
17	11827.00	89.38	217.82	31.00	11531.06	310.55	-226.25	-213.63	311.17	223.36	1.46	MWD	-
18	11859.00	89.00	217.87	32.00	11531.51	342.53	-251.51	-233.26	343.03	222.84	1.20	MWD	-
19	11890.00	89.59	218.12	31.00	11531.89	373.51	-275.94	-252.34	373.92	222.44	2.07	MWD	-
20	11922.00	90.52	218.19	32.00	11531.86	405.50	-301.10	-272.11	405.84	222.10	2.91	MWD	-
21	11953.00	90.65	217.53	31.00	11531.55	436.48	-325.58	-291.13	436.76	221.80	2.17	MWD	-
22	11985.00	91.55	217.91	32.00	11530.93	468.46	-350.88	-310.71	468.68	221.52	3.05	MWD	-
23	12016.00	91.41	218.22	31.00	11530.13	499.43	-375.28	-329.81	499.62	221.31	1.10	MWD	-
24	12048.00	91.03	218.64	32.00	11529.45	531.42	-400.35	-349.70	531.57	221.14	1.77	MWD	-
25	12079.00	89.66	218.13	31.00	11529.26	562.41	-424.64	-368.95	562.53	220.99	4.72	MWD	-
26	12111.00	89.69	218.58	32.00	11529.45	594.40	-449.74	-388.80	594.50	220.84	1.41	MWD	-
27	12142.00	90.38	217.18	31.00	11529.43	625.38	-474.20	-407.84	625.46	220.70	5.03	MWD	-
28	12173.00	90.65	218.18	31.00	11529.15	656.36	-498.74	-426.79	656.42	220.55	3.34	MWD	-
29	12205.00	90.96	218.05	32.00	11528.70	688.34	-523.91	-446.54	688.39	220.44	1.05	MWD	-
30	12236.00	90.31	216.82	31.00	11528.36	719.31	-548.53	-465.38	719.34	220.31	4.49	MWD	-

Seq #	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool qual type
31	12268.00	90.41	217.49	32.00	11528.16	751.28	-574.03	-484.70	751.30	220.18	2.12	MWD	-
32	12299.00	91.10	218.07	31.00	11527.75	782.26	-598.53	-503.69	782.27	220.08	2.91	MWD	-
33	12331.00	91.44	216.95	32.00	11527.04	814.22	-623.90	-523.17	814.23	219.98	3.66	MWD	-
34	12362.00	91.20	217.08	31.00	11526.32	845.18	-648.65	-541.83	845.18	219.87	0.88	MWD	-
35	12394.00	91.00	217.80	32.00	11525.71	877.15	-674.05	-561.28	877.15	219.78	2.33	MWD	-
36	12425.00	90.21	218.25	31.00	11525.38	908.13	-698.47	-580.38	908.13	219.72	2.93	MWD	-
37	12457.00	90.52	217.58	32.00	11525.18	940.11	-723.72	-600.04	940.11	219.66	2.31	MWD	-
38	12488.00	91.41	217.90	31.00	11524.66	971.09	-748.23	-619.01	971.09	219.60	3.05	MWD	-
39	12520.00	92.06	218.25	32.00	11523.69	1003.06	-773.41	-638.74	1003.07	219.55	2.31	MWD	-
40	12551.00	91.72	217.93	31.00	11522.67	1034.03	-797.79	-657.85	1034.04	219.51	1.51	MWD	-
41	12583.00	90.72	219.31	32.00	11521.98	1066.02	-822.79	-677.82	1066.03	219.48	5.32	MWD	-
42	12614.00	90.62	217.97	31.00	11521.62	1097.01	-847.00	-697.17	1097.02	219.46	4.33	MWD	-
43	12646.00	89.76	219.29	32.00	11521.51	1129.00	-872.00	-717.15	1129.02	219.43	4.92	MWD	-
44	12677.00	90.07	220.81	31.00	11521.56	1160.00	-895.73	-737.10	1160.01	219.45	5.00	MWD	-
45	12709.00	90.38	219.97	32.00	11521.43	1192.00	-920.10	-757.83	1192.01	219.48	2.80	MWD	-
46	12740.00	89.45	221.09	31.00	11521.48	1222.99	-943.66	-777.98	1223.00	219.50	4.70	MWD	-
47	12772.00	89.55	219.23	32.00	11521.76	1254.99	-968.11	-798.61	1255.00	219.52	5.82	MWD	-
48	12803.00	90.03	219.70	31.00	11521.87	1285.99	-992.04	-818.32	1286.00	219.52	2.17	MWD	-
49	12835.00	89.73	219.91	32.00	11521.94	1317.99	-1016.63	-838.80	1318.00	219.53	1.14	MWD	-
50	12866.00	88.69	219.60	31.00	11522.37	1348.98	-1040.46	-858.62	1348.99	219.53	3.50	MWD	-
51	12898.00	88.11	220.95	32.00	11523.26	1380.97	-1064.86	-879.30	1380.98	219.55	4.59	MWD	-
52	12929.00	88.04	219.39	31.00	11524.30	1411.95	-1088.54	-899.29	1411.96	219.56	5.03	MWD	-
53	12960.00	87.94	220.83	31.00	11525.39	1442.93	-1112.23	-919.25	1442.94	219.57	4.65	MWD	-
54	12990.00	87.94	219.94	30.00	11526.47	1472.91	-1135.07	-938.67	1472.91	219.59	2.96	MWD	-
55	13022.00	89.48	220.09	32.00	11527.19	1504.90	-1159.57	-959.24	1504.90	219.60	4.84	MWD	-
56	13053.00	89.48	220.76	31.00	11527.47	1535.90	-1183.17	-979.34	1535.90	219.62	2.16	MWD	-
57	13084.00	89.79	220.74	31.00	11527.67	1566.89	-1206.65	-999.58	1566.89	219.64	1.00	MWD	-
58	13116.00	91.20	220.54	32.00	11527.39	1598.88	-1230.93	-1020.42	1598.89	219.66	4.45	MWD	-
59	13147.00	91.10	221.56	31.00	11526.77	1629.87	-1254.30	-1040.77	1629.87	219.68	3.31	MWD	-
60	13179.00	90.24	221.02	32.00	11526.39	1661.86	-1278.35	-1061.88	1661.86	219.72	3.17	MWD	-

Seq # -	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool qual type
61	13210.00	91.65	220.47	31.00	11525.88	1692.85	-1301.83	-1082.11	1692.85	219.73	4.88	MWD	-
62	13241.00	90.10	221.22	31.00	11525.41	1723.84	-1325.27	-1102.39	1723.84	219.75	5.55	MWD	-
63	13273.00	89.42	220.21	32.00	11525.54	1755.83	-1349.53	-1123.26	1755.83	219.77	3.80	MWD	-
64	13304.00	90.00	220.96	31.00	11525.70	1786.83	-1373.07	-1143.43	1786.83	219.79	3.06	MWD	-
65	13335.00	89.93	220.98	31.00	11525.72	1817.82	-1396.48	-1163.75	1817.82	219.81	0.23	MWD	-
66	13367.00	88.08	220.44	32.00	11526.27	1849.81	-1420.73	-1184.62	1849.81	219.82	6.02	MWD	-
67	13398.00	88.32	221.10	31.00	11527.25	1880.79	-1444.20	-1204.85	1880.79	219.84	2.26	MWD	-
68	13430.00	88.49	222.75	32.00	11528.14	1912.75	-1467.99	-1226.23	1912.76	219.87	5.18	MWD	-
69	13461.00	89.24	222.45	31.00	11528.75	1943.71	-1490.81	-1247.20	1943.71	219.92	2.61	MWD	-
70	13493.00	89.79	221.46	32.00	11529.02	1975.68	-1514.60	-1268.60	1975.69	219.95	3.54	MWD	-
71	13524.00	89.93	220.27	31.00	11529.10	2006.68	-1538.05	-1288.88	2006.69	219.96	3.87	MWD	-
72	13555.00	89.62	221.09	31.00	11529.22	2037.67	-1561.56	-1309.09	2037.69	219.97	2.83	MWD	-
73	13587.00	89.14	221.17	32.00	11529.57	2069.66	-1585.66	-1330.13	2069.68	219.99	1.52	MWD	-
74	13618.00	89.72	220.46	31.00	11529.88	2100.65	-1609.12	-1350.39	2100.67	220.00	2.96	MWD	-
75	13649.00	91.03	220.07	31.00	11529.67	2131.65	-1632.77	-1370.43	2131.67	220.01	4.41	MWD	-
76	13681.00	91.62	217.99	32.00	11528.93	2163.64	-1657.62	-1390.57	2163.66	219.99	6.75	MWD	-
77	13712.00	91.51	218.60	31.00	11528.09	2194.62	-1681.94	-1409.78	2194.63	219.97	2.00	MWD	-
78	13743.00	90.55	220.46	31.00	11527.53	2225.61	-1705.85	-1429.50	2225.62	219.96	6.75	MWD	-
79	13775.00	90.34	218.41	32.00	11527.28	2257.61	-1730.56	-1449.83	2257.62	219.96	6.44	MWD	-
80	13806.00	90.00	220.17	31.00	11527.19	2288.60	-1754.55	-1469.46	2288.62	219.95	5.78	MWD	-
81	13837.00	89.83	219.08	31.00	11527.23	2319.60	-1778.43	-1489.23	2319.61	219.94	3.56	MWD	-
82	13868.00	89.93	221.08	31.00	11527.30	2350.60	-1802.15	-1509.19	2350.61	219.94	6.46	MWD	-
83	13900.00	90.76	221.70	32.00	11527.11	2382.59	-1826.15	-1530.34	2382.60	219.96	3.24	MWD	-
84	13931.00	91.07	222.43	31.00	11526.61	2413.56	-1849.16	-1551.11	2413.58	219.99	2.56	MWD	-
85	13963.00	89.93	221.84	32.00	11526.33	2445.53	-1872.89	-1572.58	2445.55	220.02	4.01	MWD	-
86	13994.00	89.07	219.47	31.00	11526.60	2476.52	-1896.41	-1592.77	2476.55	220.03	8.13	MWD	-
87	14025.00	89.04	220.06	31.00	11527.11	2507.52	-1920.23	-1612.60	2507.54	220.02	1.91	MWD	-
88	14057.00	88.38	219.82	32.00	11527.83	2539.51	-1944.76	-1633.14	2539.53	220.02	2.19	MWD	-
89	14088.00	89.07	219.55	31.00	11528.52	2570.50	-1968.61	-1652.93	2570.53	220.02	2.39	MWD	-
90	14120.00	89.69	218.98	32.00	11528.87	2602.50	-1993.39	-1673.18	2602.52	220.01	2.63	MWD	-

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91	14151.00	89.35	218.80	31.00	11529.13	2633.49	-2017.51	-1692.64	2633.51	220.00	1.24	MWD	-
92	14183.00	88.73	218.42	32.00	11529.67	2665.48	-2042.52	-1712.61	2665.50	219.98	2.27	MWD	-
93	14214.00	88.69	217.58	31.00	11530.37	2696.46	-2066.94	-1731.69	2696.47	219.96	2.71	MWD	-
94	14246.00	89.31	217.32	32.00	11530.92	2728.43	-2092.34	-1751.14	2728.44	219.93	2.10	MWD	-
95	14277.00	91.07	217.22	31.00	11530.82	2759.40	-2117.01	-1769.91	2759.40	219.90	5.69	MWD	-
96	14308.00	92.03	218.35	31.00	11529.98	2790.37	-2141.50	-1788.90	2790.37	219.87	4.78	SP	6-axis
97	14340.00	92.27	218.14	32.00	11528.78	2822.33	-2166.61	-1808.69	2822.34	219.86	1.00	SP	6-axis
98	14371.00	90.65	218.40	31.00	11527.99	2853.31	-2190.94	-1827.89	2853.31	219.84	5.29	SP	6-axis
99	14403.00	90.27	217.68	32.00	11527.74	2885.29	-2216.14	-1847.61	2885.30	219.82	2.54	SP	6-axis
100	14434.00	90.17	218.54	31.00	11527.62	2916.28	-2240.53	-1866.74	2916.28	219.80	2.79	MWD	-
101	14466.00	89.66	218.08	32.00	11527.66	2948.27	-2265.64	-1886.57	2948.27	219.78	2.15	SP	6-axis
102	14497.00	89.62	218.21	31.00	11527.86	2979.26	-2290.02	-1905.72	2979.26	219.77	0.44	SP	6-axis
103	14528.00	89.79	218.70	31.00	11528.02	3010.25	-2314.30	-1925.00	3010.25	219.75	1.67	SP	6-axis
104	14560.00	90.24	219.22	32.00	11528.01	3042.25	-2339.18	-1945.12	3042.25	219.74	2.15	SP	6-axis
105	14591.00	90.34	219.28	31.00	11527.85	3073.24	-2363.19	-1964.73	3073.24	219.74	0.38	SP	6-axis
106	14623.00	90.45	219.22	32.00	11527.63	3105.24	-2387.97	-1984.98	3105.24	219.73	0.39	SP	6-axis
107	14655.00	90.72	219.23	32.00	11527.30	3137.24	-2412.75	-2005.22	3137.24	219.73	0.84	SP	6-axis
108	14686.00	90.41	218.79	31.00	11527.00	3168.23	-2436.84	-2024.73	3168.24	219.72	1.74	MWD	-
109	14717.00	90.14	218.28	31.00	11526.85	3199.23	-2461.09	-2044.04	3199.23	219.71	1.86	SP	6-axis
110	14749.00	89.45	218.05	32.00	11526.96	3231.21	-2486.25	-2063.81	3231.22	219.70	2.27	SP	6-axis
111	14780.00	89.48	217.42	31.00	11527.25	3262.19	-2510.76	-2082.78	3262.20	219.68	2.03	SP	6-axis
112	14812.00	89.90	217.54	32.00	11527.43	3294.17	-2536.16	-2102.26	3294.17	219.66	1.36	MWD	-
113	14843.00	89.97	217.97	31.00	11527.46	3325.15	-2560.67	-2121.24	3325.16	219.64	1.41	SP	6-axis
114	14875.00	90.07	217.48	32.00	11527.45	3357.13	-2585.98	-2140.82	3357.14	219.62	1.56	SP	6-axis
115	14906.00	89.79	217.10	31.00	11527.49	3388.10	-2610.64	-2159.60	3388.11	219.60	1.52	SP	6-axis
116	14937.00	89.72	217.41	31.00	11527.62	3419.07	-2635.31	-2178.36	3419.09	219.58	1.03	SP	6-axis
117	14969.00	89.73	218.05	32.00	11527.77	3451.05	-2660.62	-2197.95	3451.07	219.56	2.00	SP	6-axis
118	15001.00	90.34	218.78	32.00	11527.75	3483.04	-2685.70	-2217.83	3483.06	219.55	2.97	SP	6-axis
119	15032.00	89.83	218.45	31.00	11527.71	3514.03	-2709.92	-2237.18	3514.06	219.54	1.96	SP	6-axis
120	15064.00	89.07	218.99	32.00	11528.02	3546.03	-2734.88	-2257.19	3546.05	219.53	2.91	SP	6-axis

Seq # -	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool qual type
121	15096.00	88.78	219.29	32.00	11528.62	3578.02	-2759.70	-2277.39	3578.05	219.53	1.30	SP	-
122	15127.00	89.43	220.01	31.00	11529.10	3609.01	-2783.56	-2297.16	3609.04	219.53	3.13	SP	-
123	15159.00	90.05	220.19	32.00	11529.25	3641.01	-2808.04	-2317.78	3641.04	219.54	2.02	SP	-
124	15190.00	90.33	220.41	31.00	11529.15	3672.01	-2831.68	-2337.83	3672.04	219.54	1.12	SP	-
125	15222.00	90.10	220.51	32.00	11529.03	3704.01	-2856.03	-2358.59	3704.03	219.55	0.76	SP	-
126	15253.00	90.20	219.69	31.00	11528.95	3735.01	-2879.74	-2378.56	3735.03	219.56	2.66	SP	-
127	15285.00	89.90	220.16	32.00	11528.92	3767.01	-2904.28	-2399.10	3767.03	219.56	1.74	SP	-
128	15316.00	89.65	220.04	31.00	11529.04	3798.01	-2928.00	-2419.06	3798.03	219.56	0.89	SP	-
129	15348.00	89.83	219.96	32.00	11529.19	3830.01	-2952.51	-2439.63	3830.03	219.57	0.59	SP	-
130	15379.00	89.83	219.83	31.00	11529.29	3861.01	-2976.29	-2459.52	3861.03	219.57	0.42	SP	6-axis
131	15411.00	89.52	219.81	32.00	11529.47	3893.01	-3000.87	-2480.01	3893.03	219.57	0.97	SP	6-axis
132	15442.00	89.76	219.77	31.00	11529.66	3924.00	-3024.69	-2499.85	3924.03	219.57	0.78	SP	6-axis
133	15474.00	89.83	219.17	32.00	11529.78	3956.00	-3049.39	-2520.19	3956.03	219.57	1.89	SP	6-axis
134	15505.00	90.03	219.95	31.00	11529.81	3987.00	-3073.29	-2539.93	3987.02	219.57	2.60	SP	6-axis
135	15537.00	90.38	220.44	32.00	11529.70	4019.00	-3097.73	-2560.58	4019.02	219.58	1.88	SP	6-axis
136	15568.00	90.52	220.23	31.00	11529.46	4050.00	-3121.36	-2580.65	4050.02	219.58	0.81	SP	6-axis
137	15600.00	90.52	220.24	32.00	11529.17	4082.00	-3145.79	-2601.32	4082.02	219.59	0.03	SP	6-axis
138	15631.00	91.24	220.51	31.00	11528.69	4112.99	-3169.41	-2621.39	4113.01	219.59	2.48	SP	6-axis
139	15663.00	91.27	220.65	32.00	11527.99	4144.98	-3193.70	-2642.21	4145.00	219.60	0.45	SP	6-axis
140	15695.00	90.34	220.75	32.00	11527.54	4176.97	-3217.96	-2663.07	4176.99	219.61	2.92	SP	6-axis
141	15726.00	90.52	220.93	31.00	11527.31	4207.97	-3241.41	-2683.34	4207.98	219.62	0.82	SP	6-axis
142	15758.00	90.00	220.73	32.00	11527.16	4239.96	-3265.63	-2704.26	4239.97	219.63	1.74	SP	6-axis
143	15790.00	89.00	220.82	32.00	11527.44	4271.95	-3289.86	-2725.16	4271.96	219.64	3.14	SP	6-axis
144	15822.00	89.73	221.95	32.00	11527.80	4303.94	-3313.86	-2746.32	4303.95	219.65	4.20	SP	6-axis
145	15854.00	90.03	221.48	32.00	11527.86	4335.92	-3337.75	-2767.61	4335.92	219.67	1.74	SP	6-axis
146	15886.00	90.17	221.94	32.00	11527.81	4367.90	-3361.64	-2788.90	4367.90	219.68	1.50	SP	6-axis
147	15918.00	90.96	221.62	32.00	11527.49	4399.88	-3385.50	-2810.22	4399.88	219.70	2.66	SP	6-axis
148	15950.00	90.86	221.52	32.00	11526.98	4431.86	-3409.44	-2831.45	4431.86	219.71	0.44	SP	6-axis
149	15982.00	91.17	221.38	32.00	11526.42	4463.84	-3433.42	-2852.63	4463.84	219.72	1.06	SP	6-axis
150	16007.00	91.58	221.63	25.00	11525.82	4488.82	-3452.14	-2869.19	4488.82	219.73	1.92	SP	6-axis

Seq #	Measured depth (ft)	Incl angle (deg)	Azimuth angle (deg)	Course length (ft)	TVD depth (ft)	Vertical section (ft)	Displ +N/S- (ft)	Displ +E/W- (ft)	Total displ (ft)	At Azim (deg)	DLS (deg/ 100f)	Srvy tool type	Tool qual type
* P	16060.00	91.96	221.81	53.00	11524.18	4541.76	-3491.68	-2904.45	4541.76	219.75	0.79	MWD	-

* P= Projection to Bit

[(c)2002 Anadrill IDEAL ID7_OC_02]

Reservoir Development

Drilling & Measurements (Anadrill)

9900 West I-20 Suite 103

Midland, Texas

79706, USA

Phone: (915)-563-3057

Fax: (915)-563-3059

Schlumberger

I, Phil St.Croix certify that; I am employed by Drilling & Measurements (formerly Anadrill), a division of Schlumberger Technology Corporation; that I did on the day(s) of August 18, 2002 through September 20, 2002 conduct or supervise the taking of the Slimpulse surveys from a depth of 11311.00 feet to a depth of 16007.00 feet; that the data is true, correct, complete and within the limitations of the tool as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation; that I am authorized and qualified to make this report; that this survey was conducted at the request of Pure Resources for the University #5-1 Well (Original Hole) API No. 42-461-34310 in, Texas; and that I have reviewed this report and find that it conforms to the principals and procedures as set forth by Drilling & Measurements, a division of Schlumberger Technology Corporation.



Phil St.Croix

MWD-2

Concrete University Monument
SWc Section 7 (Frank F. Friend
-1935) bears N 1°21'49" E,
5331.6'

91.1683
S 88°49'54" E - 5282.7'
Pure Resources, L.P.

6 12

University Monument marked
"6-12-5-13, BLK 58, BLK 3,
U.T. Landa" NWc Section 5
(Frank F. Friend-1935)

BLOCK B
C. & M. RR CO. SURVEY
(S-31614)

(85691)

N 1°21'49" E - 5331.6'

5

5

#1 (SL)
Gr. El. 2881'

1950'

1.3636

1150'

(BHL)

BLOCK 58
UNIVERSITY LAND SURVEY
UPTON COUNTY, TEXAS

CLS AZI: 219.75
CLS DSP: 4541.76 FT

31

30

Found Concrete University
Monument SWc Section 5
(Frank F. Friend-1935)

"University 5"

N 88°50'02" W - 5281.4'

271.1661

Concrete University Monument,
marked "4-24-3-25, BLK 58,
BLK 3, U.T. Landa" SWc Section
4 (Frank F. Friend-1935) bears
S 1°22'36" W - 5331.4'

5

13

24

BLOCK 3
UNIVERSITY LAND SURVEY

LEGEND

Date Surveyed: June 6, 2002
Weather: Cloudy & Warm

- - Denotes Proposed Surface Well Location
- - Denotes Proposed Bottom Hole Location
- ⊙ - Denotes Found Monument (As Described)
- - Denotes Calculated Corner this Survey
- (S-12345) - Denotes General Land Office File No.

Coordinate Table		
Description	Plane Coordinate	Geodetic Coordinate
University 5 #1 Surface Location	X = 1,516,024.2 Y = 587,883.4	Longitude = 101°52'57.23" W Latitude = 31°16'25.89" N
University 5 #1 Bottom Hole Location	X = 1,513,777.7 Y = 585,197.7	Longitude = 101°53'22.68" W Latitude = 31°15'59.00" N

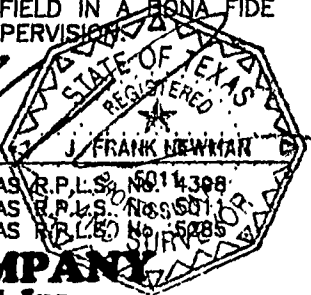
NOTE:

- 1) Plane Coordinates and Bearings shown hereon are Lambert Grid and Conform to the "Texas Coordinate System", Texas Central Zone, North American Datum of 1927. Distances shown hereon are mean horizontal surface values.
- 2) Geodetic Coordinate shown hereon references the North American Datum of 1927, (Clarke Spheroid of 1866). Reference Stations - Jayton (CORS) - AC9376, ODESSA RRP (CORS) - AB6382 and McDonald (CORS) - AA7437.
- 3) See information filed in the office of this Surveyor which describes the reconstruction of this Section.

The University 5 #1 is located approximately
4 miles Northeast of Rankin, Texas.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE
FROM NOTES TAKEN IN THE FIELD IN A BONA FIDE
SURVEY MADE UNDER MY SUPERVISION



MACON McDONALD TEXAS R.P.L.S. No. 5014398
J. FRANK NEWMAN TEXAS R.P.L.S. No. 5014398
R. CRAIG ALDERMAN TEXAS R.P.L.S. No. 5014398

WEST COMPANY
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(915) 687-0865 - (915) 687-0868 FAX

PURE RESOURCES, L.P.

Location of the
UNIVERSITY 5 #1
Surface Location: 550' FNL & 1950' FEL
Bottom Hole Location: 2050' FSL & 1150' FWL
Section 5, Block 58
University Land Survey
Upton County, Texas

Drawn By: LVA	Date: June 10, 2002
Scale: 1"=1000'	Field Book: 243 / 63-64
Revision Date:	Quadrangle: Sevenmile Corner
W.O. No: 2002-0351-S	Dwg. No.: L-2002-0351-S