



Gyrodata Incorporated
3811 South County Road 1285
Odessa, Texas 79765

432/561-8458
Fax:432/563-7982

Date: May 17, 2011

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

Attn: Ms. Pam Johns

**RE:
El Paso E&P Company, L.P.
University 43-19 Well No. 1H
RRC Lease/Gas ID No. Not Assigned
Lin (Wolfcamp)
University Lands, Abstract not given
Irion County, Texas
API No. 42-235-34675**

Ms. Johns,

Enclosed, please find the original and one copy of the survey performed on the referenced well by Gyrodata, Inc. (P-5 No. 339711). 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>
Che Garcia Surveyor	Original Hole	Surface – 5945.20'	03/19/2011	Gyroscopic Multishot

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

EL PASO E&P COMPANY, LP

Lease: University 43-19 Well: 1H, 5 Inch Drillpipe
Location: Precision 93, Irion County, Texas

Job Number: MD0311GBM185

Run Date: 19 Mar 2011

Surveyor: Che Garcia

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 31.102833 deg. N Longitude: 101.246722 deg. W

Azimuth Correction:

Gyro: 0.47000 deg to Grid North

Depth Reference: Rotary Table

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference

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MEASURED DEPTH feet	I N C L deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./100 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 TO 5945.24FT RATE GYROSCOPIC SURVEY TO RUN INSIDE 5 INCH DRILLPIPE								
ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO PRECISION RIG R.K.B 22FT								

100.00	0.50	19.36	N 19 22 E	0.50	100.00	0.4	19.4	0.41 N 0.14 E
200.00	0.41	24.40	N 24 24 E	0.10	200.00	1.2	20.8	1.15 N 0.44 E
300.00	0.37	3.13	N 3 8 E	0.15	299.99	1.9	18.5	1.80 N 0.60 E
400.00	0.58	355.94	N 4 4 W	0.22	399.99	2.7	12.6	2.62 N 0.58 E
500.00	0.79	357.17	N 2 50 W	0.21	499.98	3.9	7.7	3.82 N 0.51 E
600.00	0.58	347.24	N 12 46 W	0.24	599.98	5.0	4.2	5.00 N 0.37 E
700.00	0.35	34.80	N 34 48 E	0.43	699.97	5.8	4.3	5.74 N 0.43 E
800.00	0.45	41.99	N 41 59 E	0.11	799.97	6.3	7.9	6.29 N 0.87 E
936.70	0.51	33.38	N 33 23 E	0.07	936.67	7.4	12.2	7.19 N 1.56 E
1031.20	0.47	31.50	N 31 30 E	0.05	1031.16	8.1	14.2	7.88 N 2.00 E
1125.70	0.58	20.45	N 20 27 E	0.16	1125.66	9.0	15.3	8.65 N 2.37 E
1220.20	0.66	25.79	N 25 47 E	0.10	1220.15	10.0	16.1	9.59 N 2.77 E
1314.70	0.75	35.25	N 35 15 E	0.16	1314.65	11.1	17.6	10.59 N 3.36 E
1409.20	0.78	35.98	N 35 59 E	0.03	1409.14	12.3	19.4	11.61 N 4.10 E
1503.70	0.76	40.77	N 40 46 E	0.07	1503.63	13.5	21.2	12.61 N 4.89 E
1598.20	0.82	47.63	N 47 38 E	0.12	1598.12	14.7	23.2	13.54 N 5.79 E
1692.70	0.85	49.94	N 49 56 E	0.05	1692.61	16.0	25.3	14.45 N 6.83 E
1787.20	1.06	50.69	N 50 41 E	0.22	1787.10	17.4	27.5	15.45 N 8.04 E
1881.70	1.17	59.56	N 59 34 E	0.22	1881.58	19.1	30.1	16.49 N 9.55 E
1976.20	1.19	57.32	N 57 19 E	0.05	1976.06	20.8	32.6	17.51 N 11.21 E

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2070.70	1.39	63.04	N 63 2 E	0.25	2070.53	22.7 35.1	18.56 N 13.06 E
2165.20	1.48	69.52	N 69 31 E	0.20	2165.00	24.7 38.0	19.51 N 15.22 E
2259.70	1.60	69.27	N 69 16 E	0.13	2259.47	26.9 40.8	20.40 N 17.60 E
2354.20	1.78	79.05	N 79 3 E	0.36	2353.93	29.3 43.8	21.15 N 20.27 E
2448.70	1.98	91.37	S 88 38 E	0.48	2448.38	31.7 47.5	21.39 N 23.35 E
2543.20	2.07	91.49	S 88 31 E	0.10	2542.82	34.1 51.4	21.30 N 26.68 E
2637.70	2.03	87.22	N 87 13 E	0.17	2637.26	36.9 54.6	21.34 N 30.06 E
2732.20	2.06	81.40	N 81 24 E	0.22	2731.70	39.8 57.0	21.68 N 33.41 E
2826.70	2.12	76.38	N 76 23 E	0.20	2826.14	43.0 58.7	22.34 N 36.79 E
2921.20	2.06	75.40	N 75 24 E	0.07	2920.57	46.3 60.0	23.18 N 40.13 E
3015.70	1.95	67.10	N 67 6 E	0.33	3015.02	49.6 60.7	24.24 N 43.26 E
3110.20	1.46	51.21	N 51 13 E	0.72	3109.47	52.4 60.7	25.62 N 45.68 E
3204.70	0.56	62.75	N 62 45 E	0.97	3203.96	54.0 60.5	26.58 N 47.03 E
3299.20	0.33	55.31	N 55 19 E	0.25	3298.46	54.8 60.5	26.95 N 47.66 E
3393.70	0.68	273.90	N 86 6 W	1.02	3392.95	54.6 60.2	27.14 N 47.33 E
3488.20	0.94	260.59	S 80 35 W	0.34	3487.44	53.4 59.5	27.05 N 46.00 E
3582.70	1.00	272.92	N 87 5 W	0.23	3581.93	52.0 58.7	26.97 N 44.41 E
3677.20	1.45	304.72	N 55 17 W	0.85	3676.41	50.8 57.0	27.69 N 42.61 E
3771.70	2.09	308.02	N 51 59 W	0.69	3770.86	49.9 53.8	29.43 N 40.27 E
3866.20	1.84	304.33	N 55 40 W	0.30	3865.31	49.0 50.2	31.35 N 37.66 E
3960.70	1.17	303.35	N 56 39 W	0.71	3959.78	48.4 47.4	32.74 N 35.60 E
4055.20	0.58	302.40	N 57 36 W	0.62	4054.26	48.0 45.7	33.52 N 34.39 E
4149.70	0.24	304.73	N 55 16 W	0.36	4148.76	47.9 44.9	33.89 N 33.82 E
4244.20	0.09	353.74	N 6 16 W	0.20	4243.26	47.9 44.6	34.08 N 33.65 E

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4338.70	0.07	179.52	S 0 29 E	0.17	4337.76	47.9 44.6	34.09 N 33.64 E
4433.20	0.21	188.06	S 8 4 W	0.15	4432.26	47.7 44.8	33.86 N 33.62 E
4527.70	0.30	214.97	S 34 58 W	0.16	4526.76	47.3 45.0	33.49 N 33.45 E
4622.20	0.37	214.56	S 34 34 W	0.07	4621.26	46.8 45.1	33.04 N 33.14 E
4716.70	0.39	220.09	S 40 5 W	0.04	4715.76	46.2 45.2	32.54 N 32.76 E
4811.20	0.41	227.02	S 47 1 W	0.06	4810.25	45.5 45.2	32.06 N 32.30 E
4905.70	1.32	203.51	S 23 31 W	1.01	4904.74	44.2 45.7	30.83 N 31.62 E
5000.20	1.52	214.48	S 34 29 W	0.36	4999.21	41.9 46.6	28.80 N 30.48 E
5094.70	1.51	214.54	S 34 32 W	0.01	5093.68	39.5 47.4	26.74 N 29.06 E
5189.20	1.38	212.24	S 32 14 W	0.15	5188.15	37.2 48.3	24.76 N 27.75 E
5283.70	1.28	211.97	S 31 58 W	0.11	5282.63	35.1 49.3	22.90 N 26.58 E
5378.20	0.99	205.74	S 25 44 W	0.33	5377.11	33.3 50.4	21.27 N 25.67 E
5472.70	0.81	194.61	S 14 37 W	0.26	5471.60	32.1 51.7	19.88 N 25.15 E
5567.20	0.77	193.06	S 13 4 W	0.05	5566.09	31.0 53.1	18.62 N 24.84 E
5661.70	0.57	184.77	S 4 46 W	0.23	5660.58	30.3 54.6	17.53 N 24.65 E
5756.20	0.50	167.82	S 12 11 E	0.18	5755.08	29.8 56.0	16.66 N 24.70 E
5850.70	0.49	162.76	S 17 14 E	0.05	5849.57	29.5 57.5	15.87 N 24.91 E
5945.20	0.49	157.97	S 22 2 E	0.04	5944.07	29.4 59.0	15.11 N 25.18 E

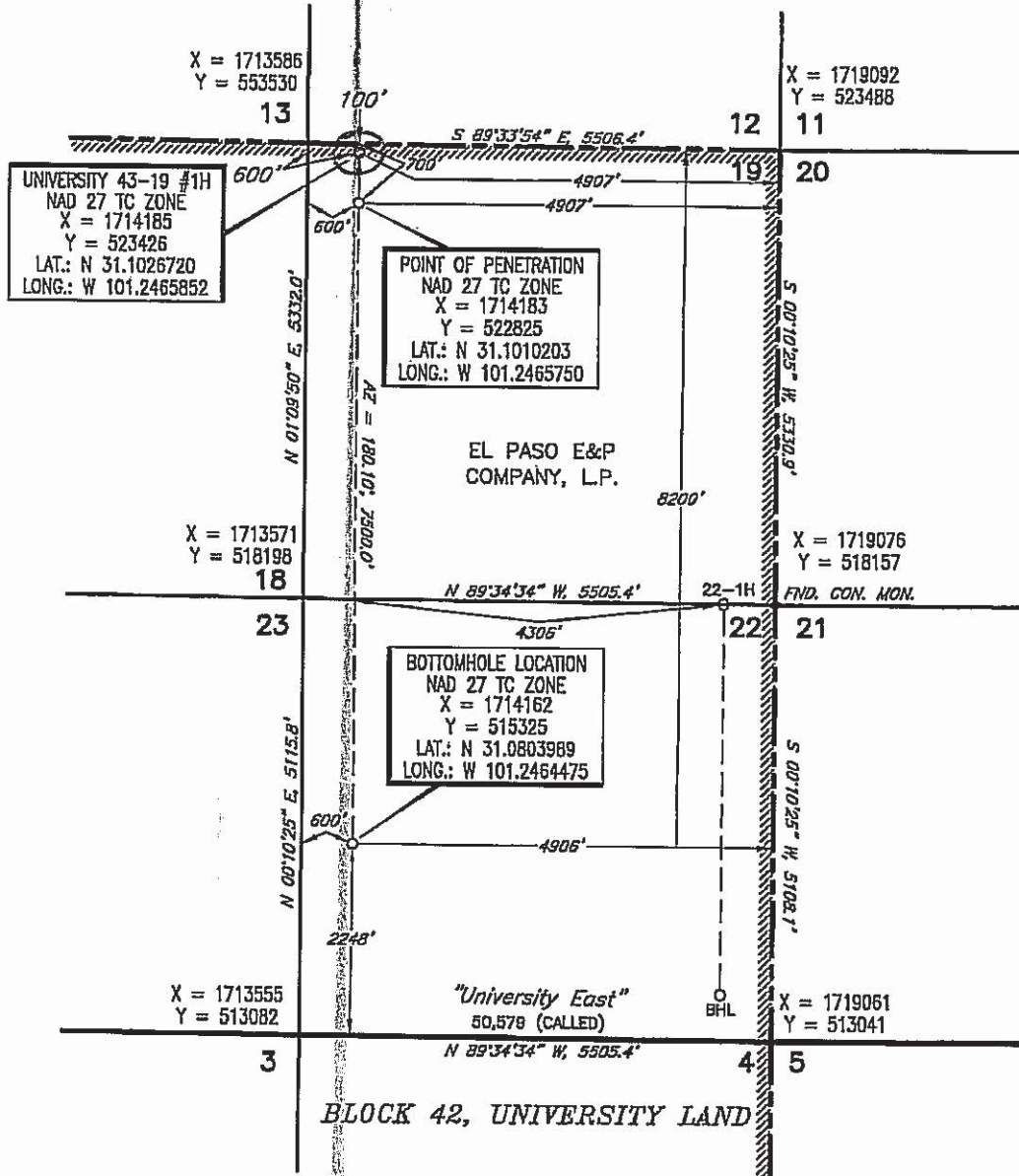
Final Station Closure: Distance: 29.37 ft Az: 59.03 deg.

TOPOGRAPHIC

SURVEYING • MAPPING • GIS • GPS
 2903 N. BIG SPRING • MIDLAND, TEXAS 79705
 TELEPHONE: (432) 682-1653 (800) 767-1853 • FAX (432) 682-1743



IRION County, Texas
 SHL: 100' FNL & 4907' FEL
 POP: 700' FNL & 4907' FEL
 BHL: 8200' FSL & 4906' FEL
 Description _____
 SECTION 19, BLOCK 43, UNIVERSITY LAND

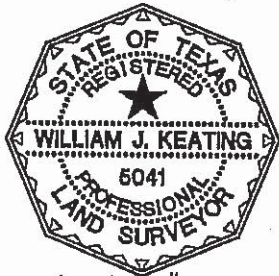


GYRODATA BOTTOM HOLE LOCATION
 29.37 FEET @ 59.03 DEGREES OF
 SURFACE LOCATION
 MD 5945.20' TVD 5944.07'
 EAST 25.18' NORTH 15.11'

This location has been very carefully staked on the ground according to the best official survey records, maps, and other data available to us. This plot does not in any way represent a "Boundary Survey", and does not comply with correct I.B.P.L.S. Minimum Standards of Procedures for Boundary Surveys.

SCALE: 1" = 2000'
 0' 1000' 2000'

Operator EL PASO E&P COMPANY, L.P. Date Staked JANUARY 19, 2011
 Lease Name & Well No. UNIVERSITY 43-19 #1H Ground Elev. 2660'
 Topography & Vegetation NATURAL PASTURE
 Nearest Town in County ±4.7 MILES SOUTHWEST OF BARNHART, TEXAS



CERTIFICATION:

I, William J. Keating, a Registered Professional Land Surveyor, and an authorized agent of Topographic Land Surveyors, do hereby certify that in my professional opinion the above described well location was surveyed and staked on the ground as shown. *This plat is for Texas Railroad Commission permitting only.*

William J. Keating
 Texas Reg. No. 5041

Invoice #
LO_UNIVERSITY43_19_1H/519SE
 E.U.O.