

gyrodata

Gyrodata Incorporated
1682 W. Sam Houston Pkwy. N.
Houston, Texas 77043

713/481-3146
Fax: 713/481-0920

SURVEY REPORT
ENRON ENERGY
DIAMOND SM-36, WELL #2
KEY RIG #131
LEA COUNTY, NEW MEXICO
MD0699GMO790

JUNE 18, 1999

36.245-33e
Sur: 990/59 1980/w
Unit N

BHL: 1626/5 & 96/w
Unit L

30-025-31798

ORIGINAL

gyro/data

Gyrodata Incorporated
1692 W. Sam Houston Pkwy. N.
Houston, Texas 77043

713/461-3148
Fax: 713/461-0920

June 30, 1999

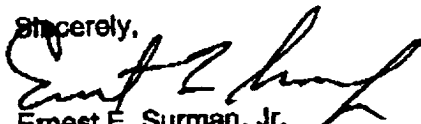
Drilling Department
Enron Energy
4400 N. Big Spring
Midland, Texas 79705

Re: **Diamond SM-36, Well #2**
Lea County, New Mexico

Enclosed, please find one (1) original, four (4) copies, and one (1) disk of the completed survey of **Well #2**.

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

Sincerely,



Ernest E. Surman, Jr.
Assistant Operations Manager

EES:lnr

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A Gyrodata Directional Survey

for

Enron Energy

Well: DIAMOND SM-36 NO. 2, 3-1/2" TUBING

Location: KEY RIG #131, LEA COUNTY, NEW MEXICO

Job Number: MD0899GMO790

Run Date: 6/18/99 12:43:56 PM

Surveyor: Randy Scannell

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 31.100000 deg. N

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 Local Horizontal Reference

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A Gyrodata Directional Survey

Enron Energy
Well: DIAMOND SM-38 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO
Job Number: MD0899GMO790

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
0.0	0.00	0.00	N 0 0 E	0.00	0.0	0.0 0.0	0.00 N 0.00 E
0 - 12100 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 3-1/2" TUBING ALL MEASURED DEPTHS AND COORDINATES REFERENCED TO KEY RIG #131							
100.0	0.41	123.30	S 56 42 E	0.41	100.0	0.4 123.3	0.20 S 0.30 E
200.0	0.45	118.21	S 61 47 E	0.06	200.0	1.1 121.5	0.58 S 0.95 E
300.0	0.40	121.72	S 58 17 E	0.08	300.0	1.9 120.8	0.85 S 1.60 E
400.0	0.30	152.01	S 27 59 E	0.21	400.0	2.4 124.2	1.37 S 2.02 E
500.0	0.30	179.05	S 0 57 E	0.14	500.0	2.8 131.0	1.87 S 2.15 E
600.0	0.34	180.51	S 0 31 W	0.04	600.0	3.2 138.4	2.43 S 2.15 E
700.0	0.38	175.83	S 4 10 E	0.04	700.0	3.7 144.6	3.05 S 2.17 E
800.0	0.36	171.86	S 8 9 E	0.03	800.0	4.3 148.7	3.69 S 2.24 E
900.0	0.35	169.87	S 10 8 E	0.01	900.0	4.9 151.5	4.30 S 2.34 E
1000.0	0.47	181.76	S 1 45 W	0.15	1000.0	5.6 154.6	5.02 S 2.38 E
1100.0	0.47	180.23	S 0 14 W	0.01	1100.0	6.3 158.0	5.84 S 2.37 E
1200.0	0.59	187.51	S 7 30 W	0.14	1200.0	7.1 161.3	6.77 S 2.30 E
1300.0	0.60	192.60	S 12 36 W	0.05	1300.0	8.1 164.8	7.79 S 2.11 E
1400.0	0.61	192.27	S 12 16 W	0.01	1400.0	9.0 167.9	8.82 S 1.89 E
1500.0	0.45	192.52	S 12 31 W	0.16	1500.0	9.9 170.1	9.72 S 1.69 E
1600.0	0.35	188.67	S 8 40 W	0.11	1600.0	10.5 171.5	10.40 S 1.56 E
1700.0	0.28	189.16	S 9 9 W	0.06	1700.0	11.0 172.3	10.94 S 1.47 E
1800.0	0.19	180.22	S 0 13 W	0.10	1800.0	11.4 172.8	11.35 S 1.44 E
1900.0	0.08	170.28	S 9 44 E	0.12	1900.0	11.7 172.9	11.58 S 1.45 E
2000.0	0.05	168.62	S 11 23 E	0.03	2000.0	11.8 172.9	11.69 S 1.47 E

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A Gyrodata Directional Survey

Enron Energy

Well: DIAMOND SM-36 NO. 2, 3-1/2" TUBING

Location: KEY RIG #131, LEA COUNTY, NEW MEXICO

Job Number: MD099GMD780

MEASURED DEPTH feet	I N C L deg.	A Z I M U T H deg.	B O R E H O L E B E A R I N G deg. min.	D O G L E G S E V E R I T Y deg./ 100 ft.	V E R T I C A L D E P T H feet	C L O S U R E D I S T. A Z I M U T H feet deg.	H O R I Z O N T A L C O O R D I N A T E S feet
2100.0	0.10	24.04	N 24 2 E	0.15	2100.0	11.7 172.6	11.65 S
2200.0	0.24	358.47	N 0 32 W	0.15	2200.0	11.5 172.3	11.36 S
2300.0	0.32	340.29	N 19 43 W	0.13	2300.0	11.0 172.4	10.89 S
2400.0	0.32	354.55	N 5 27 W	0.08	2398.9	10.4 172.7	10.35 S
2500.0	0.50	358.75	N 0 15 W	0.18	2498.9	9.7 172.3	9.65 S
2600.0	0.49	357.44	N 2 34 W	0.02	2599.9	8.9 171.7	8.79 S
2700.0	0.55	0.72	N 0 43 E	0.07	2699.9	8.0 170.9	7.89 S
2800.0	0.57	14.80	N 14 36 E	0.14	2799.9	7.1 168.6	6.92 S
2900.0	0.55	17.14	N 17 8 E	0.03	2899.9	6.2 164.4	5.98 S
3000.0	0.57	21.60	N 21 36 E	0.05	2899.9	5.4 158.5	5.05 S
3100.0	0.60	38.21	N 38 13 E	0.17	3099.9	4.9 149.1	4.18 S
3200.0	0.64	48.52	N 48 31 E	0.12	3199.9	4.7 136.4	3.40 S
3300.0	0.75	57.91	N 57 55 E	0.16	3299.9	5.0 122.5	2.69 S
3400.0	0.98	65.79	N 65 47 E	0.25	3399.9	5.9 109.7	1.98 S
3500.0	0.98	64.20	N 64 12 E	0.03	3499.9	7.2 100.1	1.27 S
3600.0	1.03	69.20	N 69 12 E	0.10	3599.9	8.7 93.8	0.58 S
3700.0	0.90	69.85	N 69 51 E	0.14	3699.9	10.3 89.9	0.01 N
3800.0	0.85	78.60	N 76 36 E	0.11	3798.8	11.7 87.8	0.45 N
3900.0	0.47	138.57	S 41 28 E	0.75	3899.8	12.7 88.6	0.31 N
4000.0	0.81	179.33	S 0 40 E	0.54	3999.8	13.0 93.1	0.70 S
4100.0	0.83	179.19	S 0 49 E	0.02	4099.8	13.2 99.3	2.13 S
4200.0	0.83	177.61	S 2 23 E	0.02	4199.8	13.5 105.3	13.07 E
4300.0	0.83	181.28	S 1 15 W	0.05	4299.8	14.0 111.0	13.08 E

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Entron Energy
Well: DIAMOND SM-38 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO
Job Number: MD0898GMO780

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4400.0	0.98	154.76	S 25 14 E	0.44	4399.8	14.9 115.9	6.52 S
4500.0	1.34	136.13	S 43 52 E	0.52	4499.8	16.7 119.1	8.13 S
4600.0	1.53	125.52	S 54 29 E	0.33	4598.7	19.2 120.6	9.76 S
4700.0	1.72	122.58	S 57 25 E	0.20	4699.7	22.0 121.0	11.34 S
4800.0	1.91	117.88	S 62 7 E	0.25	4799.6	25.2 120.9	12.93 S
4900.0	1.95	116.09	S 63 55 E	0.08	4899.6	28.5 120.4	14.46 S
5000.0	1.57	118.81	S 61 12 E	0.40	4999.5	31.6 120.1	15.88 S
5100.0	1.14	122.39	S 57 38 E	0.44	5099.5	34.0 120.1	17.08 S
5200.0	1.03	127.51	S 52 30 E	0.15	5199.5	35.9 120.4	18.16 S
5300.0	0.95	127.38	S 52 37 E	0.09	5299.5	37.6 120.7	19.21 S
5400.0	0.92	129.41	S 50 36 E	0.04	5399.5	39.2 121.0	20.22 S
5500.0	0.92	128.08	S 51 57 E	0.02	5499.4	40.8 121.3	21.23 S
5600.0	0.92	127.99	S 52 1 E	0.00	5599.4	42.4 121.6	22.22 S
5700.0	0.92	131.75	S 48 15 E	0.06	5699.4	44.0 121.9	23.24 S
5800.0	0.80	129.25	S 50 45 E	0.13	5799.4	45.5 122.2	24.22 S
5900.0	0.72	126.11	S 53 54 E	0.09	5899.4	46.8 122.3	25.03 S
6000.0	0.69	128.46	S 51 32 E	0.04	5999.4	48.0 122.5	25.78 S
6100.0	0.72	130.98	S 49 1 E	0.04	6099.4	49.3 122.6	26.57 S
6200.0	0.71	127.70	S 52 18 E	0.04	6199.4	50.5 122.8	27.36 S
6300.0	0.54	135.52	S 44 29 E	0.20	6299.4	51.6 123.0	28.08 S
6400.0	0.51	140.81	S 39 12 E	0.08	6399.4	52.4 123.2	28.75 S
6500.0	0.57	147.24	S 32 46 E	0.09	6499.4	53.3 123.6	29.51 S
6600.0	0.54	143.46	S 36 33 E	0.05	6599.4	54.2 124.0	30.30 S
							44.96 E

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A Gyrodata Directional Survey

Enron Energy
Well: DIAMOND SM-38 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO
Job Number: MD0699GMO790

MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
6700.0	0.48	144.87	S 35 8 E	0.08	6899.4	55.0 124.3	31.00 S 45.47 E
6800.0	0.49	159.17	S 20 50 E	0.12	6799.4	55.8 124.7	31.73 S 45.85 E
6900.0	0.39	161.39	S 18 37 E	0.10	6899.4	56.4 125.1	32.45 S 46.11 E
7000.0	0.35	161.37	S 18 38 E	0.05	6999.3	56.9 125.5	33.06 S 46.32 E
7100.0	0.31	182.84	S 17 22 E	0.03	7099.3	57.4 125.9	33.61 S 46.49 E
7200.0	0.35	180.87	S 0 52 W	0.11	7199.3	57.8 126.3	34.18 S 46.57 E
7300.0	0.35	182.88	S 2 41 W	0.01	7299.3	58.1 126.8	34.79 S 46.55 E
7400.0	0.36	189.99	S 8 59 W	0.06	7399.3	58.4 127.3	35.43 S 46.48 E
7500.0	0.43	195.84	S 15 50 W	0.06	7499.3	58.7 127.9	36.12 S 46.32 E
7600.0	0.42	200.73	S 20 44 W	0.04	7599.3	59.0 128.6	36.82 S 48.09 E
7700.0	0.44	211.05	S 31 3 W	0.08	7699.3	59.2 129.3	37.49 S 45.78 E
7800.0	0.69	210.08	S 30 5 W	0.25	7799.3	59.3 130.3	38.33 S 45.26 E
7900.0	0.83	210.36	S 30 21 W	0.14	7899.3	59.6 131.5	39.48 S 44.59 E
8000.0	0.83	208.80	S 28 48 W	0.02	7999.3	59.9 132.9	40.75 S 43.88 E
8100.0	0.77	209.21	S 29 12 W	0.06	8099.3	60.2 134.2	41.97 S 43.20 E
8200.0	0.75	204.68	S 24 41 W	0.07	8199.3	60.5 135.4	43.15 S 42.60 E
8300.0	0.76	199.13	S 19 8 W	0.08	8299.3	61.2 136.5	44.37 S 42.11 E
8400.0	0.68	194.96	S 14 57 W	0.08	8399.3	61.8 137.5	45.58 S 41.73 E
8500.0	0.68	192.62	S 12 37 W	0.03	8499.3	62.5 138.4	46.73 S 41.45 E
8600.0	0.66	188.34	S 8 20 W	0.05	8599.3	63.2 139.3	47.88 S 41.24 E
8700.0	0.60	195.10	S 15 6 W	0.10	8699.3	63.9 140.0	48.96 S 41.02 E
8800.0	0.57	192.41	S 12 24 W	0.04	8799.2	64.5 140.8	49.95 S 40.77 E
8900.0	0.49	187.90	S 7 54 W	0.09	8899.2	65.1 141.4	50.86 S 40.61 E
9000.0	0.52	183.84	S 3 50 W	0.05	8999.2	65.7 141.9	51.73 S 40.52 E

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A Gyrodata Directional Survey

Enron Energy
Well: DIAMOND SM-36 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO
Job Number: MD0899GMO780

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. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
9100.0	0.58	188.22	S 6 13 W	0.04	9099.2	66.4 142.5	52.86 S 40.44 E
9200.0	0.47	190.61	S 10 37 W	0.10	9199.2	67.0 143.0	53.55 S 40.31 E
9300.0	0.40	190.74	S 10 45 W	0.07	9299.2	67.5 143.5	54.29 S 40.17 E
9400.0	0.22	176.36	S 3 38 E	0.19	9399.2	57.9 143.8	54.83 S 40.12 E
9500.0	0.20	15.78	N 15 47 E	0.42	9499.2	68.0 143.8	54.85 S 40.18 E
9600.0	0.48	10.83	N 10 50 E	0.26	9599.2	57.6 143.4	54.28 S 40.30 E
9700.0	0.63	7.29	N 7 17 E	0.18	9699.2	66.9 142.8	53.35 S 40.44 E
9800.0	0.91	4.50	N 4 30 E	0.28	9798.2	68.0 142.0	52.01 S 40.58 E
9900.0	1.85	12.35	N 12 21 E	0.77	9899.2	64.5 140.6	49.81 S 40.95 E
10000.0	1.73	11.14	N 11 8 E	0.08	9999.1	62.7 138.5	48.92 S 41.55 E
10100.0	1.46	12.99	N 12 59 E	0.27	10099.1	61.1 136.4	44.20 S 42.13 E
10200.0	1.05	10.74	N 10 44 E	0.41	10199.1	59.9 134.6	42.06 S 42.58 E
10300.0	0.99	8.95	N 8 57 E	0.07	10298.1	58.9 133.2	40.30 S 42.89 E
10400.0	0.79	356.82	N 3 11 W	0.27	10399.1	57.9 132.0	38.75 S 42.99 E
10500.0	0.65	332.60	N 27 24 W	0.33	10499.0	56.9 131.3	37.56 S 42.68 E
10600.0	0.33	326.18	N 33 49 W	0.33	10599.0	58.0 131.1	35.81 S 42.26 E
10700.0	0.25	289.81	N 70 12 W	0.20	10699.0	55.6 131.1	36.49 S 41.89 E
10800.0	0.33	241.56	S 61 34 W	0.25	10799.0	55.3 131.4	36.58 S 41.43 E
10900.0	0.33	251.71	S 71 43 W	0.06	10899.0	55.0 132.0	36.79 S 40.80 E
11000.0	0.21	279.70	N 80 18 W	0.18	10999.0	54.7 132.3	36.85 S 40.45 E
11100.0	0.28	275.65	N 84 21 W	0.08	11099.0	54.4 132.6	36.80 S 40.03 E
11200.0	0.20	277.28	N 82 43 W	0.08	11199.0	54.0 132.9	36.76 S 39.61 E
11300.0	0.60	167.57	S 12 26 E	0.69	11299.0	54.3 133.3	37.24 S 39.55 E

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Enron Energy
Well: DIAMOND SM-36 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO
Job Number: MD0698GMD790

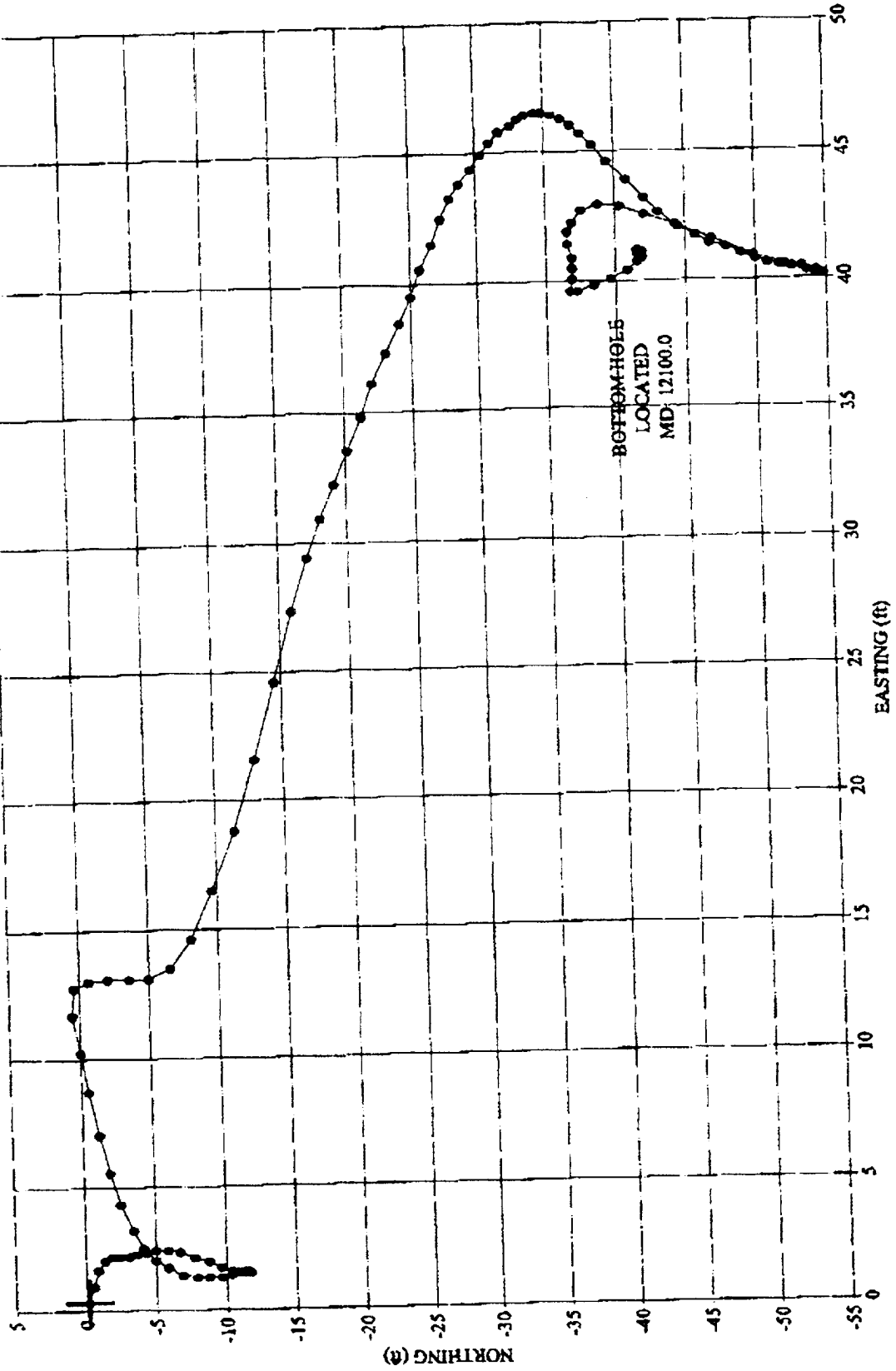
MEASURED DEPTH feet	INCL deg.	AZIMUTH deg.	BORE HOLE BEARING deg. min.	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
11400.0	0.72	168.81	S 11 11 E	0.12	11399.0	55.3 134.0	38.37 S
11500.0	0.73	167.09	S 12 55 E	0.02	11489.0	56.3 134.7	39.60 S
11600.0	0.64	160.48	S 19 31 E	0.12	11599.0	57.4 135.3	40.75 S
11700.0	0.35	159.57	S 20 28 E	0.28	11689.0	58.1 135.6	41.56 S
11800.0	0.12	111.29	S 68 43 E	0.29	11789.0	58.5 135.7	41.89 S
11900.0	0.20	32.65	N 32 39 E	0.22	11899.0	58.6 135.5	41.78 S
12000.0	0.16	7.30	N 7 18 E	0.09	11899.0	58.5 135.2	41.49 S
12100.0	0.29	235.12	S 55 7 W	0.41	12099.0	58.3 135.4	41.51 S

Final Station Closure: Distance: 58.34 ft Az: 135.35 deg.

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MD0699GM0790 DEFINITIVE

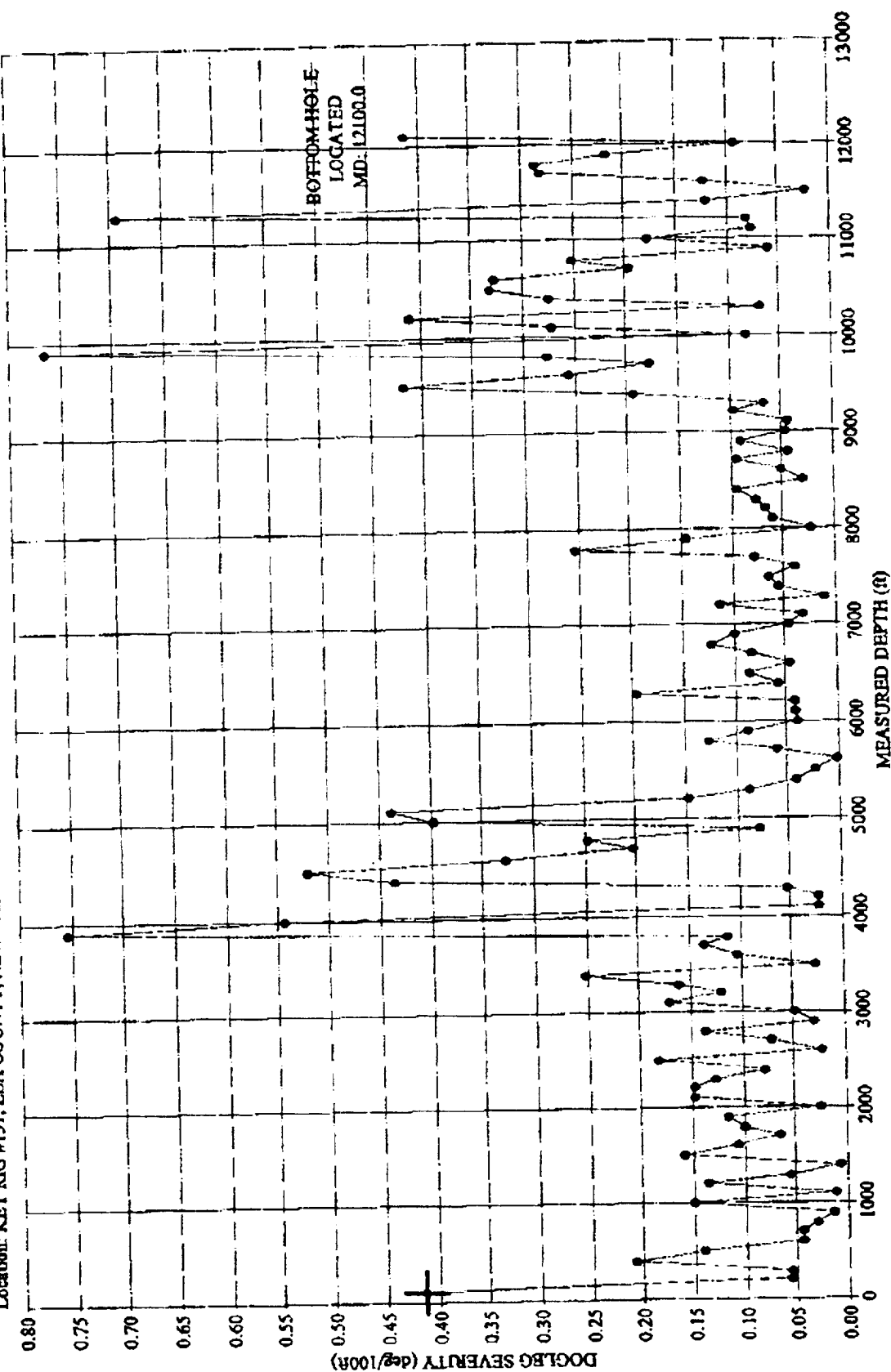
Baron Energy
Well: DIAMOND SM-36 NO. 2, 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO



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Enzon Energy
Well: DIAMOND SM-36 NO. 2 : 3-1/2" TUBING
Location: KEY RIG #131, LEA COUNTY, NEW MEXICO

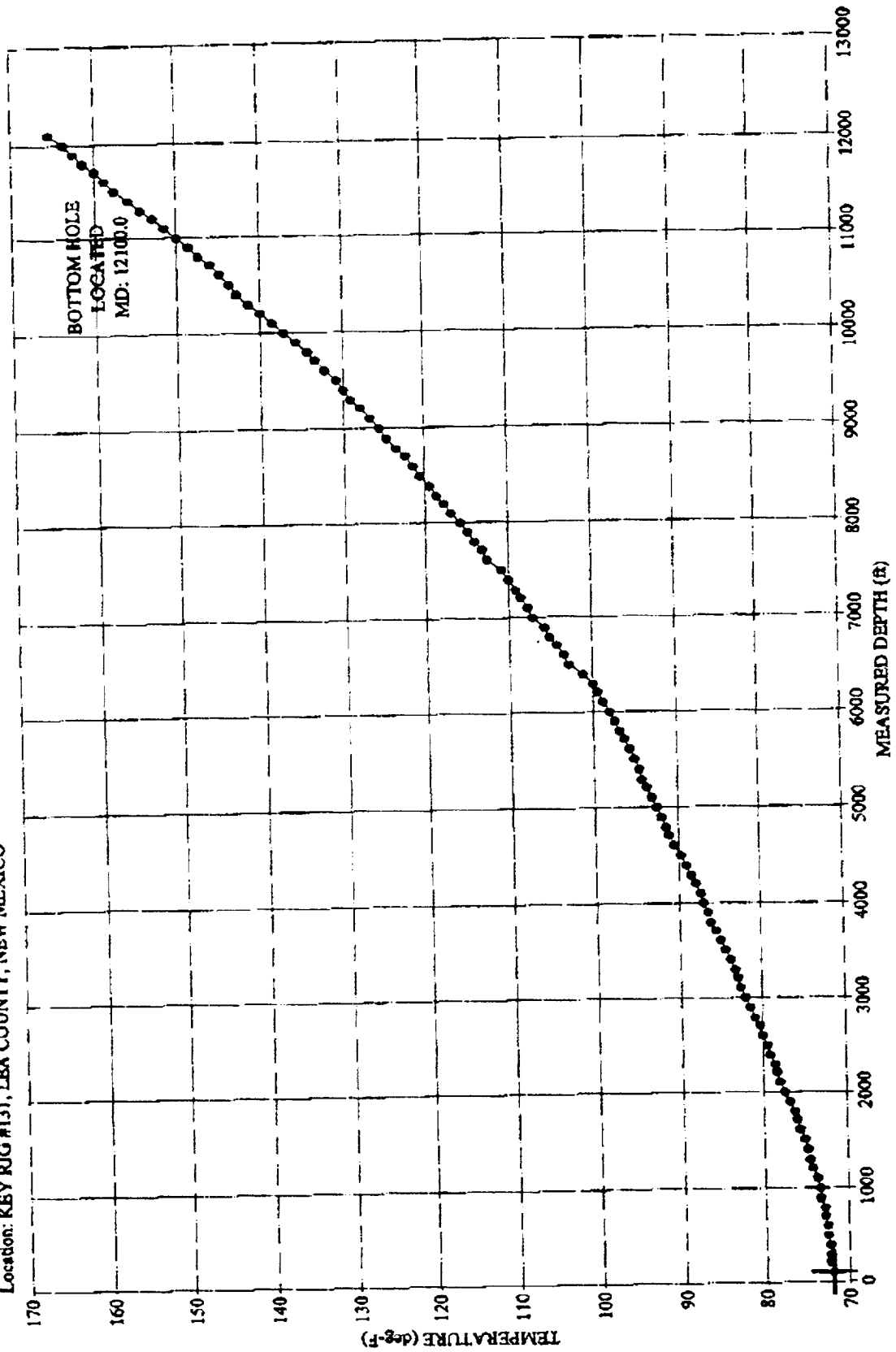
MD0699GMO790 DEFINITIVE



gyro/data

Enron Energy
Well: DIAMOND SM-36 NO.2, : 3-1/2" TUBING
Location: KEY RIG #131, LBA COUNTY, NEW MEXICO

MD0699GMO790 DEFINITIVE





July 27, 1999

Enron Oil & Gas Corporation
P. O. Box 2287
Midland, TX 79702

Attention: Mr. W. D. Smeltzer

RE: Diamond "Sm" 36 State #2
Lee County, New Mexico
API No. 30-025-31788

Gentlemen:

Enclosed, please find the original and five copies of the survey performed on the referenced well by Dailey International, Inc. (P-5 No.197390). Other information required by your office is as follows:

Name & Title Of Surveyor	Drainhole Number	Surveyed Depths	Dates Performed	Type of Survey
Joe Thompson Directional Driller	Original Hole	12,000-14,032	6/27/99 - 7/15/99	Directional

If any other information is required, please contact the undersigned at the letterhead address and phone number.

Sincerely,

A handwritten signature in cursive script that reads "Judy Dixon".

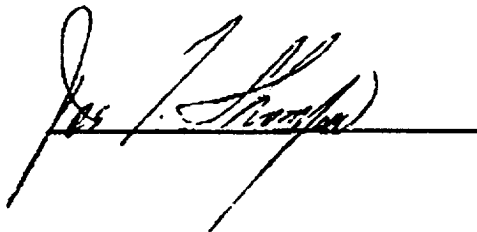
Judy Dixon
Enclosure
D049

SURVEY CERTIFICATION

State of Texas

County of MIDLAND

I, Joe Thompson certify that; I am employed by Dailey International Inc.; that I did on the day(s) of 6/27/99 through 7/15/99 conduct or supervise the taking of a Directional survey from a depth of Tie in @ 12,000 feet to a depth of 14,032 feet; the data is true, correct, complete, and within the limitations of the tool as set forth by Dailey International Inc.; that I am authorized and qualified to make this report; that this survey was conducted at the request of _____
Enron Oil & Gas Corp. for the Diamond "Sm" 36 State #2 Well API
No. 30-025-31798 in Lea County, New Mexico; and that I
have reviewed this report and find that it conforms to the principles and procedures as set forth by Dailey International Inc.





Job Number: WTX00090049
 Company: Enron Oil & Gas Corp.
 Lease/Well: Diamond "3m" 36 State #2
 Location: Lea
 Rig Name: Jones #6
 RKB:
 G.L. or M.S.L.:

State/Country: New Mexico
 Declination: 9.4 East
 Grid:
 File name: C:\WINSERVE\ENRON\DA.SVY
 Date/Time: 27-Jul-99 / 09:06
 Curve Name:

DAILEY INTERNATIONAL INC.

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 299.74
 Vertical Section Referenced to Wellhead
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Gyro Survey Tie In									
12000.00	.16	7.30	11999.00	-41.49	41.19	-56.35	58.46	135.21	.00
12022.00	1.50	319.00	12021.00	-41.24	41.00	-56.06	58.16	135.17	6.36
12030.00	2.00	303.10	12028.99	-41.09	40.82	-55.82	57.92	135.19	8.68
12038.00	3.30	289.80	12036.98	-40.93	40.49	-55.46	57.57	135.31	17.87
12048.00	4.50	286.30	12046.96	-40.73	39.84	-54.79	56.97	135.63	12.23
12073.00	6.80	296.10	12071.84	-39.80	37.57	-52.36	54.73	136.65	9.94
12106.00	8.80	284.60	12106.52	-38.21	33.12	-47.71	50.58	139.09	7.22
12139.00	10.10	277.90	12137.10	-37.24	28.13	-42.90	46.67	142.94	5.49
12171.00	11.20	285.00	12168.54	-36.05	22.35	-37.29	42.41	148.21	5.34
12203.00	12.10	289.00	12199.89	-34.15	16.17	-30.99	37.79	154.66	3.78
12235.00	13.80	288.00	12231.07	-31.88	9.37	-23.95	33.23	163.62	5.36
12267.00	14.90	288.90	12262.07	-29.37	1.85	-16.18	29.43	176.40	3.51
12298.00	16.00	291.40	12291.95	-26.52	-5.90	-8.03	27.17	192.54	4.15
12330.00	17.90	296.40	12322.66	-22.57	-14.33	1.25	26.74	212.42	8.70
12362.00	20.00	300.80	12352.83	-17.43	-23.36	11.64	29.15	233.27	7.00
12393.00	21.40	301.60	12381.83	-11.75	-32.73	22.59	34.78	250.25	4.61
12425.00	21.90	303.40	12411.57	-5.41	-42.69	34.38	43.03	262.78	2.60
12457.00	21.90	305.30	12441.26	1.33	-52.54	46.28	52.56	271.46	2.21
12487.00	23.90	305.50	12468.89	8.09	-52.05	57.89	62.58	277.43	6.67
12519.00	27.00	306.70	12497.79	16.09	-73.23	71.57	74.98	282.39	9.69
12551.00	29.70	305.50	12525.94	24.94	-85.59	86.69	89.15	286.24	8.44
12582.00	32.00	304.40	12552.56	34.04	-98.62	102.52	104.33	289.04	7.64

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
12614.00	34.20	305.00	12579.36	43.99	-112.98	119.92	121.25	291.27	6.95
12646.00	36.10	306.20	12605.53	64.72	-127.96	138.25	139.17	293.15	6.32
12678.00	38.80	306.60	12630.93	86.25	-143.63	167.58	158.17	294.76	8.45
12710.00	41.80	306.40	12655.33	78.54	-160.28	178.13	178.49	296.11	9.38
12742.00	44.80	306.30	12678.62	91.55	-177.95	199.93	200.12	297.22	9.38
12773.00	46.40	306.00	12700.31	104.62	-195.83	221.94	222.03	298.11	5.21
12805.00	45.10	305.90	12722.63	118.07	-214.39	244.72	244.75	298.84	4.07
12837.00	45.20	306.10	12745.20	131.41	-232.74	267.27	267.28	299.45	.54
12869.00	46.30	306.60	12767.53	144.99	-251.20	290.04	290.05	299.99	3.62
12900.00	46.40	306.80	12788.93	158.40	-269.19	312.31	312.33	300.47	.57
12932.00	47.60	305.30	12810.75	172.17	-288.11	335.57	335.63	300.86	5.08
12964.00	50.00	303.40	12831.83	185.74	-307.99	359.56	359.66	301.09	8.73
12996.00	52.50	300.30	12851.86	198.90	-329.19	384.50	384.61	301.14	10.87
13027.00	61.40	299.90	12870.97	211.14	-350.31	408.91	409.02	301.08	3.69
13059.00	51.40	300.90	12890.93	223.80	-371.88	433.91	434.03	301.04	2.44
13091.00	51.70	302.20	12910.83	236.91	-393.23	458.96	459.08	301.07	3.32
13140.00	50.20	303.10	12941.70	257.44	-425.27	496.96	497.12	301.19	3.38
13172.00	52.10	305.60	12961.78	271.50	-445.84	521.80	522.00	301.34	8.50
13203.00	54.80	306.00	12980.24	286.07	-466.04	546.56	546.83	301.64	8.77
13235.00	55.00	305.70	12998.84	301.40	-487.26	572.59	572.94	301.74	.99
13267.00	54.90	305.00	13017.01	316.56	-508.62	598.66	599.09	301.90	1.82
13299.00	54.70	304.50	13035.46	331.46	-530.11	624.71	625.21	302.02	1.42
13330.00	54.60	304.30	13053.39	345.75	-550.97	649.91	650.47	302.11	.62
13362.00	54.20	304.10	13072.02	360.37	-572.49	675.85	676.47	302.19	1.35
13394.00	54.30	304.30	13090.72	374.97	-593.97	701.75	702.43	302.26	.60
13425.00	53.80	304.40	13108.92	389.13	-614.69	726.76	727.51	302.34	1.63
13457.00	52.90	304.70	13128.02	403.89	-635.83	752.34	753.16	302.41	2.91
13489.00	51.80	305.10	13147.57	418.19	-656.61	777.58	778.47	302.49	3.58
13520.00	51.00	305.70	13166.91	432.22	-676.36	801.68	802.67	302.58	2.99
13552.00	50.50	306.10	13187.15	446.75	-696.44	826.32	827.41	302.68	1.84
13584.00	49.70	306.30	13207.68	461.25	-716.25	850.72	851.91	302.78	2.55
13616.00	49.50	304.20	13228.42	475.31	-736.14	874.87	876.28	302.85	5.04
13648.00	49.50	303.20	13249.20	488.81	-756.39	899.24	900.59	302.87	2.38
13679.00	48.80	303.00	13269.48	501.62	-776.03	922.65	924.04	302.88	2.31
13711.00	50.20	300.20	13290.26	514.36	-796.76	946.97	948.36	302.85	7.96
13742.00	50.60	299.30	13310.02	526.21	-817.49	970.85	972.21	302.77	2.58
13774.00	52.50	298.40	13329.92	538.30	-839.44	995.91	997.21	302.67	6.33
13806.00	53.00	297.90	13348.29	550.32	-861.90	1021.37	1022.61	302.56	2.00
13837.00	52.90	297.80	13367.97	561.88	-883.78	1046.10	1047.27	302.45	.41
13869.00	52.50	298.10	13387.36	573.81	-906.26	1071.54	1072.65	302.34	1.46
13902.00	52.80	298.50	13407.38	586.25	-929.36	1097.77	1098.82	302.24	1.32
13934.00	52.90	298.90	13426.71	598.49	-951.73	1123.27	1124.27	302.16	1.04
13965.00	51.80	299.40	13445.62	610.46	-973.18	1147.83	1148.80	302.10	3.47
Top of Portlety									
14001.00	51.90	299.40	13467.83	624.36	-997.86	1176.16	1177.10	302.03	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
Projection to Blt									
14032.00	51.90	299.40	13486.96	636.34	-1019.12	1200.56	1201.47	301.98	.00

Company: Enron Oil & Gas Corp.
 Lease/Well: Diamond "Sm" 36 State #2
 Location: Lea
 State/Country: New Mexico
 Declination: 9.4 East
 Date/Time: Tuesday, July 27, 1999

