

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

N.M. Oil & Gas Division
1625 N. French Dr.
Hobbs, NM 88240 NM-13276

SUBMIT AN DUPLICATE

FORM APPROVED
OMB NO. 1004-0137
Expires February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REVR. Other _____

2. NAME OF OPERATOR
LOUIS DREYFUS NATURAL GAS CORP.

3. ADDRESS AND TELEPHONE NO. 14000 Quail Springs Parkway, Suite 600
Oklahoma City, OK 73134

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 480' FSL & 1600' FEL
At top prod. interval reported below 943' FSL & 1554' FEL
At total depth 962' FSL & 1587' FEL

6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____

7. UNIT AGREEMENT NAME _____

8. FARM OR LEASE NAME, WELL NO.
GREENSTONE FED. COM. NO. 1

9. API WELL NO.
30-025-34677 S1

10. FIELD AND POOL, OR WILDCAT
Wildcat Atoka

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 19-T20S-R34E

14. PERMIT NO. _____ DATE ISSUED **ELM**

12. COUNTY OR PARISH
Lea

13. STATE
NM

ACCEPTED FOR RECORD
JAN 31 2000

15. DATE SPUNDED 8/27/99 16. DATE T.D. REACHED 10/6/99 17. DATE COMPL. (Ready to prod.) 11/30/99

18. ELEVATIONS (OF, RKB, RT, OR, ETC.)* 3659' GR, 3682' KB 19. ELEV. CASINGHEAD _____

20. TOTAL DEPTH, MD & TVD 13900' MD 13872' TVD 21. PLUG BACK T.D., MD & TVD 13370' MD 13342' TVD

22. IF MULTIPLE COMPL., HOW MANY* _____ 23. INTERVALS DRILLED BY _____ ROTARY TOOLS _____ CABLE TOOLS _____

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
12,662'-668', MD Wildcat Atoka
12,634'-40', TVD

25. WAS DIRECTIONAL SURVEY MADE
Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN
Laterlog MCF w/Gamma Ray, Comp. Neutron Density w/Gamma Ray

27. WAS WELL CORED
Yes

29. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13 3/8"	54.5# J-55	520'	17-1/2"	Surface, 235 sx. 35:65:6;	200 sx. C
9 5/8"	40# S-95	5515'	12-1/4"	Surface, 2120 sx. 35:65:6;	500 sx. C
5 1/2"	17# SP-110	13902'	8-1/2"	3828', 1675 sx. Cl. C; 650	500 sx. H
CIBP w/35' cmt. @ 13,640'; CIBP w/35' cmt. @ 13,405'					

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
2 7/8"				

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	12,591'	12,591'

31. PREPARATION RECORD (Interval, size and number)

13,660'-669', 6 spf, 60 holes; CIBP w/35' cmt. @ 13,640'

13,430'-444', 6 spf, 90 holes; CIBP w/35' cmt. @ 13,405'

12,662'-668', 6 spf, 36 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,430'-444'	1000 gal. 7 1/2% clay stabilized NE acid; 125 7/8" ball sealers; 81,500 scf N2
12,662'-668'	9366 gal. 700 foam; 14,313# 20/40

33. PRODUCTION

DATE FIRST PRODUCTION 11/30/99 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

WELL STATUS (Producing or shut-in) Producing

DATE OF TEST 12/1/99 HOURS TESTED 4 24 CHOKER SIZE 1 20/64 PROD'N. FOR TEST PERIOD →

FLOW. TUBING PRESS. 540 600 CASING PRESSURE N/A CALCULATED 24-HOUR RATE →

OIL—BBL. 34 GAS—MCF. 578 WATER—BBL. 9 GAS-OIL RATIO N/A 17000

OIL—BBL. 34 GAS—MCF. 776 WATER—BBL. 9 OIL GRAVITY-API (CORR.) N/A 46.0

34. DISPOSITION OF CAC (Sold, used for fuel, vented, etc.)
Sold

TEST WITNESSED BY _____

35. LIST OF ATTACHMENTS
OGD Form C-122, Directional Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Joseph A. Bryant TITLE Regulatory Technician DATE 1/21/00

*(See Instructions and Spaces for Additional Data on Reverse Side)



A Gyrodata Directional Survey

for

Louis Dreyfus Natural Gas

Well: GREEN STONE FED COM NO. 1, 4-1/2"DRILLPIPE

Location: PATTERSON #75, LEE COUNTY, NEW MEXICO

Job Number: MD0999GMW827

Run Date: 9/13/99 3:23:11 AM

Surveyor: Frank Pawlik

Calculation Method: MINIMUM CURVATURE

Survey Latitude: 32.450000 deg. N

Azimuth Correction:

Gyro: Bearings are Relative to True North

Proposed Well Direction: 360.000 deg

Vertical Section Calculated from Well Head Location

Closure Calculated from Well Head Location

Horizontal Coordinates Calculated from Local Horizontal Reference



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Louis Dreyfus Natural Gas
Well: GREEN STONE FED COM NO. 1, 4-1/2"DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO
Job Number: MD0999GMW827

Table with columns: MEASURED DEPTH, INCL, AZIMUTH, VERTICAL SECTION, DOGLEG SEVERITY, VERTICAL DEPTH, CLOSURE DIST. AZIMUTH, HORIZONTAL COORDINATES. Includes a section for 0-8528 FT. RATE GYROSCOPIC MULTISHOT SURVEY RUN INSIDE 4-1/2" DRILLPIPE.



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Louis Dreyfus Natural Gas
Well: GREEN STONE FED COM NO. 1, 4-1/2"DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO
Job Number: MD0999GMW827

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
2100.0	0.62	91.85	-0.7	0.15	2100.0	4.6 99.4	0.74 S 4.51 E
2200.0	0.65	75.52	-0.6	0.18	2200.0	5.6 96.3	0.62 S 5.60 E
2300.0	0.69	69.40	-0.3	0.08	2299.9	6.7 92.3	0.27 S 6.71 E
2400.0	0.79	68.23	0.2	0.10	2399.9	7.9 88.5	0.20 N 7.91 E
2500.0	0.81	60.56	0.8	0.11	2499.9	9.2 85.0	0.80 N 9.17 E
2600.0	1.32	58.09	1.8	0.51	2599.9	10.9 80.7	1.76 N 10.77 E
2700.0	1.53	56.09	3.1	0.21	2699.9	13.2 76.4	3.11 N 12.85 E
2800.0	1.85	64.11	4.6	0.40	2799.8	16.1 73.5	4.56 N 15.40 E
2900.0	1.82	61.62	6.0	0.08	2899.8	19.2 71.8	6.02 N 18.25 E
3000.0	2.00	67.04	7.5	0.25	2999.7	22.5 70.7	7.45 N 21.26 E
3100.0	2.07	67.78	8.8	0.08	3099.7	26.1 70.2	8.82 N 24.53 E
3200.0	1.82	74.43	9.9	0.33	3199.6	29.5 70.3	9.93 N 27.74 E
3300.0	1.33	76.76	10.6	0.50	3299.6	32.2 70.7	10.62 N 30.40 E
3400.0	1.01	78.04	11.1	0.32	3399.6	34.2 71.1	11.07 N 32.39 E
3500.0	0.96	77.53	11.4	0.05	3499.5	35.9 71.5	11.43 N 34.08 E
3600.0	0.86	70.42	11.9	0.15	3599.5	37.5 71.6	11.87 N 35.61 E
3700.0	0.75	72.17	12.3	0.11	3699.5	38.9 71.6	12.32 N 36.94 E
3800.0	0.76	77.03	12.7	0.06	3799.5	40.3 71.7	12.67 N 38.21 E
3900.0	0.81	75.08	13.0	0.06	3899.5	41.6 71.8	13.00 N 39.54 E
4000.0	0.83	66.75	13.5	0.12	3999.5	43.0 71.8	13.47 N 40.89 E
4100.0	0.96	51.24	14.3	0.28	4099.5	44.6 71.3	14.28 N 42.21 E
4200.0	1.03	45.08	15.4	0.13	4199.5	46.2 70.5	15.44 N 43.50 E
4300.0	1.18	45.99	16.8	0.15	4299.4	47.9 69.5	16.80 N 44.88 E



A Gyrodata Directional Survey

Louis Dreyfus Natural Gas
Well: GREEN STONE FED COM NO. 1, 4-1/2"DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO
Job Number: MD0999GMW827

MEASURED DEPTH feet	IN C L deg.	AZIMUTH deg.	VERTICAL SECTION feet	DOGLEG SEVERITY deg./ 100 ft.	VERTICAL DEPTH feet	CLOSURE DIST. AZIMUTH feet deg.	HORIZONTAL COORDINATES feet
4400.0	1.30	49.99	18.2	0.15	4399.4	50.0 68.6	18.25 N 46.50 E
4500.0	1.42	48.17	19.8	0.13	4499.4	52.2 67.7	19.81 N 48.30 E
4600.0	1.57	49.95	21.5	0.15	4599.4	54.7 66.8	21.51 N 50.27 E
4700.0	1.55	51.31	23.2	0.04	4699.3	57.3 66.1	23.24 N 52.37 E
4800.0	1.49	56.92	24.8	0.16	4799.3	59.9 65.5	24.79 N 54.51 E
4900.0	1.44	63.46	26.1	0.18	4899.3	62.4 65.3	26.06 N 56.73 E
5000.0	1.16	53.79	27.2	0.35	4999.2	64.7 65.1	27.22 N 58.67 E
5100.0	0.95	55.60	28.3	0.21	5099.2	66.5 64.8	28.29 N 60.17 E
5200.0	0.95	41.14	29.4	0.24	5199.2	68.1 64.4	29.39 N 61.41 E
5300.0	0.89	43.43	30.6	0.07	5299.2	69.6 63.9	30.57 N 62.48 E
5400.0	0.94	38.01	31.8	0.10	5399.2	71.0 63.4	31.78 N 63.52 E
5500.0	0.99	43.19	33.1	0.10	5499.2	72.6 62.9	33.06 N 64.62 E
5600.0	0.98	41.36	34.3	0.03	5599.1	74.2 62.4	34.33 N 65.77 E
5700.0	1.06	34.80	35.7	0.14	5699.1	75.8 61.9	35.73 N 66.86 E
5800.0	1.09	28.86	37.3	0.12	5799.1	77.4 61.2	37.32 N 67.85 E
5900.0	1.19	23.01	39.1	0.15	5899.1	79.1 60.4	39.10 N 68.71 E
6000.0	1.15	21.71	41.0	0.05	5999.1	80.7 59.5	40.99 N 69.49 E
6100.0	1.23	12.98	43.0	0.20	6099.0	82.2 58.5	42.97 N 70.10 E
6200.0	1.25	12.75	45.1	0.02	6199.0	83.7 57.4	45.08 N 70.58 E
6300.0	1.28	8.88	47.2	0.09	6299.0	85.3 56.4	47.24 N 70.99 E
6400.0	1.27	4.87	49.5	0.09	6399.0	86.7 55.2	49.45 N 71.26 E
6500.0	1.23	353.81	51.6	0.24	6498.9	88.0 54.1	51.62 N 71.24 E
6600.0	1.37	344.97	53.8	0.24	6598.9	89.0 52.8	53.84 N 70.81 E



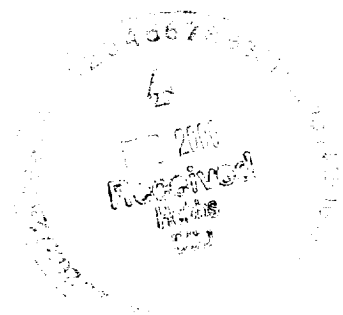


A Gyrodata Directional Survey

Louis Dreyfus Natural Gas
Well: GREEN STONE FED COM NO. 1, 4-1/2"DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO
Job Number: MD0999GMW827

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
6700.0	1.40	345.38	56.2	0.03	6698.9	89.9 51.3	56.18 N 70.19 E
6800.0	1.45	345.65	58.6	0.05	6798.9	91.0 49.9	58.58 N 69.57 E
6900.0	1.48	345.68	61.1	0.03	6898.8	92.1 48.5	61.06 N 68.94 E
7000.0	1.44	346.41	63.5	0.04	6998.8	93.3 47.1	63.54 N 68.33 E
7100.0	1.35	345.17	65.9	0.10	7098.8	94.5 45.8	65.90 N 67.73 E
7200.0	1.31	344.59	68.1	0.04	7198.7	95.6 44.6	68.14 N 67.12 E
7300.0	1.03	342.49	70.1	0.28	7298.7	96.7 43.5	70.09 N 66.55 E
7400.0	0.67	341.01	71.5	0.36	7398.7	97.4 42.7	71.51 N 66.09 E
7500.0	0.52	345.67	72.5	0.16	7498.7	97.9 42.2	72.50 N 65.78 E
7600.0	0.36	329.92	73.2	0.20	7598.7	98.2 41.8	73.22 N 65.51 E
7700.0	0.36	304.98	73.7	0.16	7698.7	98.3 41.5	73.67 N 65.10 E
7800.0	0.36	297.45	74.0	0.05	7798.7	98.2 41.1	74.00 N 64.56 E
7900.0	0.35	279.78	74.2	0.11	7898.7	98.0 40.8	74.20 N 63.98 E
8000.0	0.42	278.48	74.3	0.07	7998.7	97.6 40.4	74.30 N 63.31 E
8100.0	0.57	265.60	74.3	0.18	8098.7	97.1 40.0	74.32 N 62.46 E
8200.0	0.88	257.89	74.1	0.32	8198.7	96.1 39.6	74.12 N 61.22 E
8300.0	1.07	243.70	73.5	0.31	8298.7	94.7 39.0	73.54 N 59.63 E
8400.0	0.85	242.37	72.8	0.22	8398.7	93.2 38.6	72.78 N 58.13 E
8500.0	0.63	253.88	72.3	0.27	8498.6	92.0 38.2	72.29 N 56.95 E
8528.0	0.42	254.06	72.2	0.75	8526.6	91.8 38.1	72.22 N 56.70 E

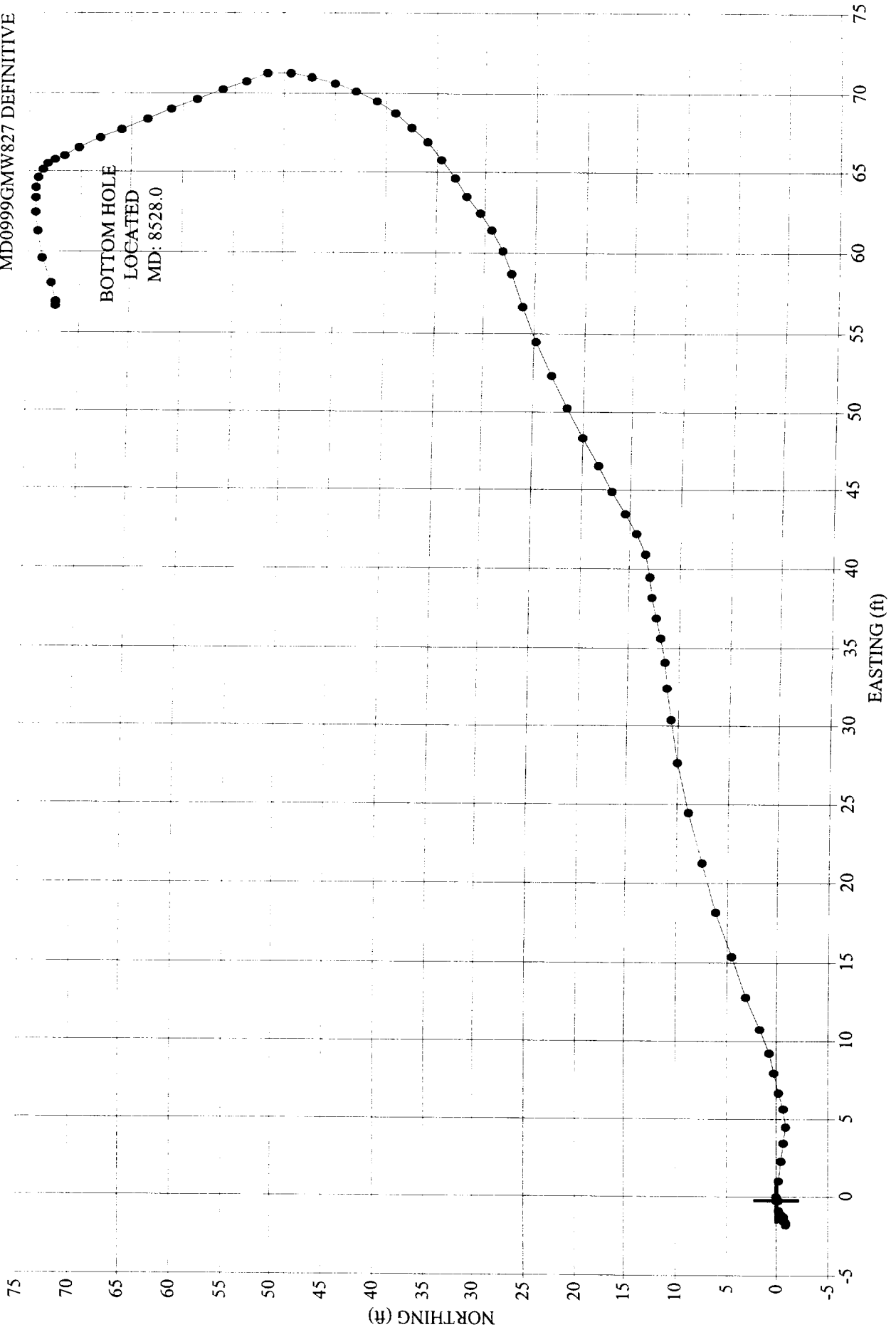
Final Station Closure: Distance: 91.82 ft Az: 38.14 deg.



Louis Dreyfus Natural Gas
Well: HAMMOND FED COM NO. 1, : 4-1/2" DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO

gyro/data

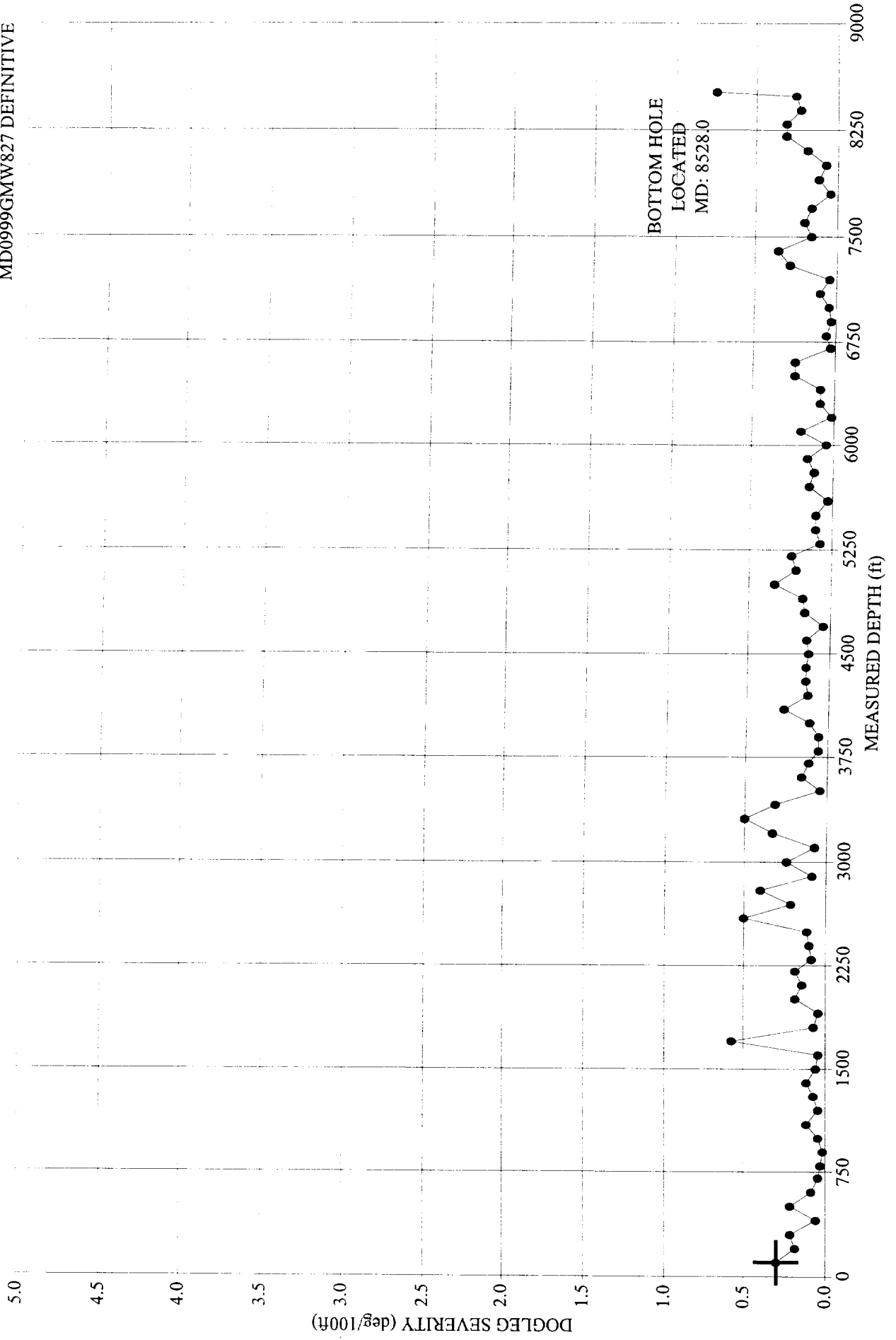
MD0999GMW827 DEFINITIVE



Louis Dreyfus Natural Gas
Well: HAMMOND FED COM NO. 1.: 4-1/2"DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO

gyro/data

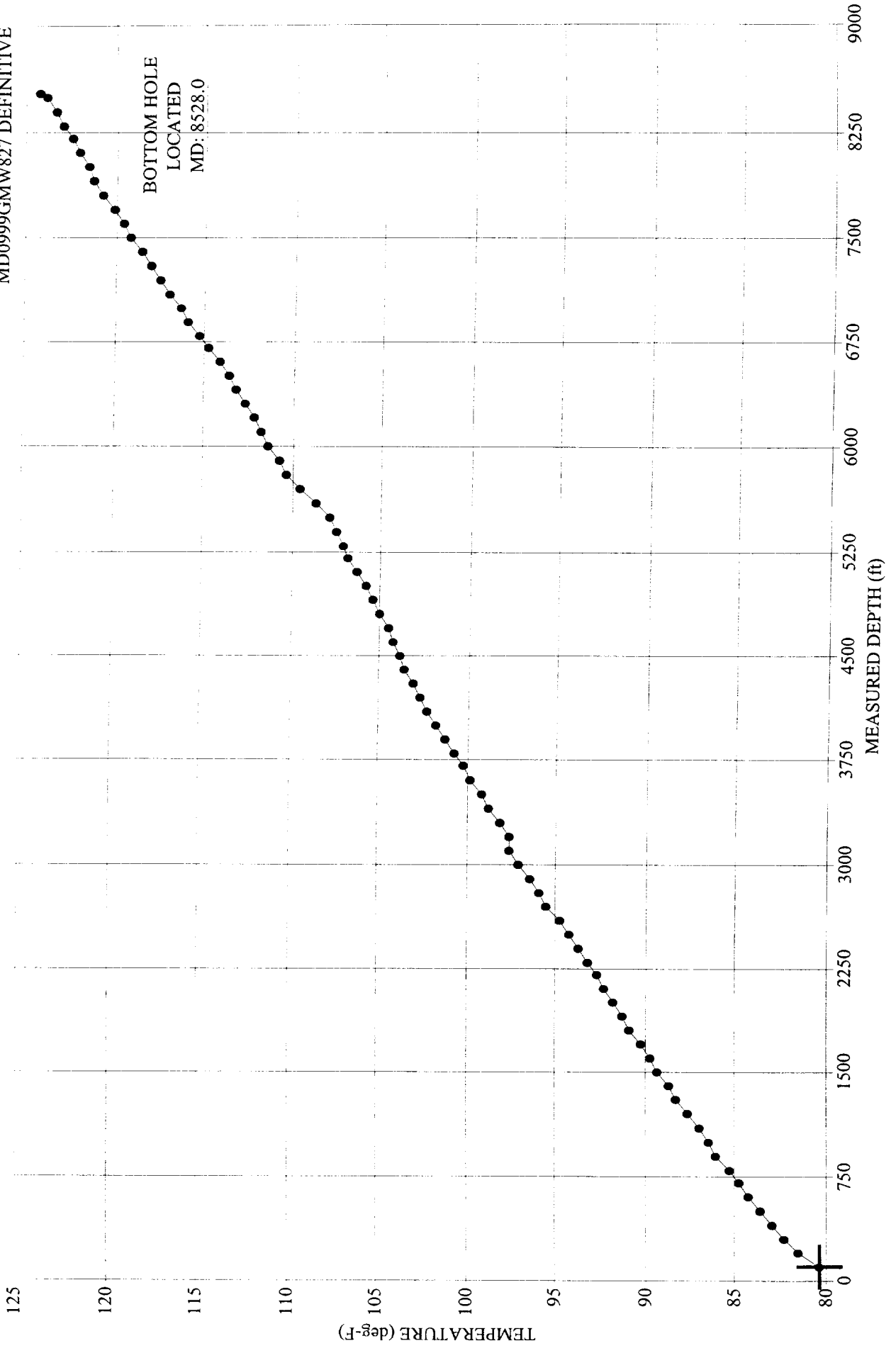
MD0999GMW827 DEFINITIVE



Louis Dreyfus Natural Gas
Well: HAMMOND FED COM NO. 1, 4-1/2" DRILLPIPE
Location: PATTERSON #75, LEE COUNTY, NEW MEXICO

gyro/data

MD0999GMW827 DEFINITIVE





DIRECTIONAL DRILLING CONTRACTORS, LLC.

Job Number: Proposal P99-052

Company: LOUIS DREYFUS NATURAL GAS

Lease/Well: LDNG Greenstone Fed. '19' #1

Location: Lea County

Rig Name: Patterson #75

RKB: N/A

G.L. or M.S.L.: 3700 ft

State/Country: New Mexico/USA

Declination: 9.06° E-T

Grid: Assumed True

File name: C:\PROPOS-2199050\S\P99-052199052.SVY

Date/Time: 21-Oct-99 / 16:54

Curve Name: As-Drilled

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 360.00
 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	Dogleg Severity Deg/100
Tie-In							
8528.00	.42	254.10	8526.60	72.20	56.70	72.20	.00
8598.00	1.10	347.30	8596.60	72.79	56.31	72.79	1.71
8661.00	3.10	352.90	8659.55	75.07	55.96	75.07	3.19
8725.00	4.10	349.70	8723.42	79.03	55.34	79.03	1.59
8788.00	5.40	351.80	8786.21	84.18	54.51	84.18	2.08
8851.00	7.00	353.20	8848.83	90.93	53.64	90.93	2.55
8913.00	8.60	349.40	8910.26	99.24	52.34	99.24	2.71
8976.00	9.10	345.10	8972.51	108.68	50.19	108.68	1.32
9039.00	9.00	343.00	9034.73	118.21	47.47	118.21	.55
9102.00	9.80	343.40	9096.88	128.06	44.49	128.06	1.27
9166.00	10.20	351.50	9159.91	138.89	42.10	138.89	2.28
9229.00	10.10	353.60	9221.92	149.89	40.66	149.89	.61
9292.00	10.00	352.90	9283.96	160.81	39.37	160.81	.25
9355.00	10.50	356.00	9345.95	171.96	38.29	171.96	1.18
9419.00	10.50	358.50	9408.88	183.61	37.73	183.61	.71
9482.00	10.60	357.10	9470.82	195.14	37.29	195.14	.44
9545.00	10.90	356.80	9532.71	206.87	36.66	206.87	.48
9609.00	10.90	.30	9595.56	218.96	36.36	218.96	1.03
9672.00	11.20	.60	9657.39	231.04	36.45	231.04	.48
9735.00	10.10	1.00	9719.30	242.68	36.61	242.68	1.75
9799.00	9.70	1.70	9782.35	253.68	36.87	253.68	.65

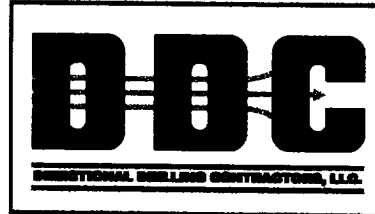
100

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Dogleg Severity Deg/100
9862.00	9.40	.30	9844.48	264.13	37.06	264.13	.60
9925.00	8.90	358.20	9906.67	274.15	36.93	274.15	.95
9988.00	9.20	353.90	9968.89	284.03	36.24	284.03	1.17
10051.00	9.60	350.80	10031.05	294.22	34.87	294.22	1.02
10114.00	9.70	353.60	10093.15	304.68	33.43	304.68	.76
10178.00	8.90	356.40	10156.31	314.98	32.52	314.98	1.44
10209.00	8.80	356.00	10186.94	319.74	32.21	319.74	.38
10271.00	7.70	355.70	10248.30	328.61	31.56	328.61	1.78
10334.00	7.00	355.00	10310.78	336.64	30.91	336.64	1.12
10398.00	6.90	351.50	10374.31	344.33	30.00	344.33	.68
10461.00	6.90	354.60	10436.86	351.84	29.09	351.84	.59
10524.00	5.90	3.40	10499.46	358.84	28.93	358.84	2.22
10535.00	5.70	3.80	10510.41	359.95	28.99	359.95	1.85
10598.00	5.10	6.60	10573.13	365.85	29.52	365.85	1.04
10661.00	5.10	359.60	10635.88	371.44	29.83	371.44	.99
10724.00	4.80	357.80	10698.65	376.87	29.71	376.87	.54
10788.00	4.80	355.70	10762.42	382.21	29.40	382.21	.27
10850.00	4.30	352.90	10824.23	387.11	28.92	387.11	.88
10913.00	4.10	352.90	10887.06	391.69	28.35	391.69	.32
10976.00	4.10	353.90	10949.89	396.16	27.83	396.16	.11
11040.00	3.70	358.50	11013.75	400.50	27.54	400.50	.79
11135.00	3.30	5.20	11108.57	406.29	27.70	406.29	.60
11330.00	3.75	12.00	11303.20	418.11	29.54	418.11	.31
11412.00	4.00	14.00	11385.01	423.51	30.79	423.51	.35
11600.00	3.25	.00	11572.64	435.20	32.37	435.20	.61
11790.00	2.00	24.00	11762.44	443.62	33.72	443.62	.86
11978.00	1.90	24.00	11950.33	449.46	36.32	449.46	.05
12166.00	1.50	24.00	12138.25	454.56	38.59	454.56	.21
12356.00	1.50	49.00	12328.19	458.46	41.48	458.46	.34
12500.00	.90	27.00	12472.16	460.71	43.42	460.71	.52
12638.00	1.10	44.00	12610.13	462.63	44.83	462.63	.26
12828.00	1.50	29.00	12800.09	466.11	47.30	466.11	.27
12923.00	1.50	21.00	12895.05	468.36	48.35	468.36	.22
13113.00	1.00	38.00	13085.01	471.99	50.26	471.99	.32
13303.00	.90	49.00	13274.98	474.27	52.41	474.27	.11
13491.00	.90	37.00	13462.96	476.42	54.41	476.42	.10
13554.00	1.40	49.00	13525.95	477.32	55.29	477.32	.88
Last Survey							
13740.00	1.50	59.00	13711.89	480.07	59.09	480.07	.15

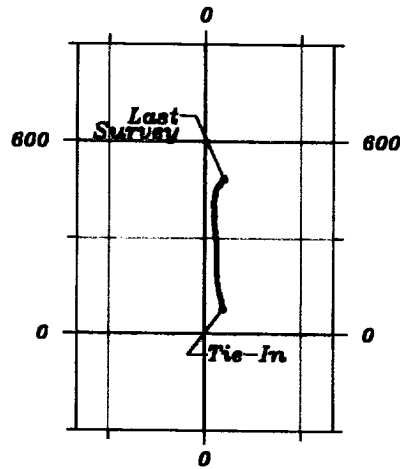
13
The enclosed
pages
are

Louis Dreyfus Natural Gas

LDNG Greenstone Federal 19 #1
Lea County, New Mexico
MID-DR-9025



PLAN VIEW
SCALE: 1 inch = 600'



VERTICAL SECTION
SCALE: 1 inch = 600'
VERTICAL SECTION PLANE= 360.00

